

# European Chemical Regions Network



[www.ecrn.net](http://www.ecrn.net)

## **“Who is Who“ of Chemical Regions in Europe**

October 2010

The contributors of this “Who is Who” - brochure are:



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SACHSEN-ANHALT

NRW.



RÉGION WALLONNE



Scotland

Rhône-Alpes Région

Rheinland-Pfalz



Regione  
Lombardia



PROVINCIA  
DI NOVARA



Catalonia



generating good chemistry



YORKSHIRE  
CHEMICAL  
FOCUS  
your chemical future



Ida-Virumaa

HESSEN



provincie limburg



Bavaria



FLANDERS  
FITS YOU



LAND  
BRANDENBURG

Ministerium für Wirtschaft  
und Europaangelegenheiten



Niedersachsen



Cheshire East  
Council



Ústí region

Tees Valley  
unlimited



Cheshire West  
and Chester

Landesregierung  
Schleswig-Holstein



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## Introduction

In this edition of the who-is-who of chemical regions in Europe you find at one glance the partners in our currently 22 member regions.

The ECRN develops and widens its activities continuously and steadily. We are proud of the achievements of our young network as these give us a high motivation and self-assurance for coming challenges. With our transparent structure and clear processes for decisions we are a sustainable association which has taken its place in the European arena.

The ECRN is a value-added network and attracts regional authorities Europe-wide which are interested in actively developing regional policy. We are and we stay open towards new regions and we look forward to welcome new members!

We are delighted about your interest in the ECRN- and we look forward to a dialogue with you and your organisation.

Sincerely yours,

Michael Hack

Director of the ECRN Network Secretariat

# BELGIUM

## Region: Flanders

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Organisation:              | Department of Economy, Science and Innovation                    |
| Address (Mail Box, Street) | Koning Albert- Laan 35                                           |
| Postcode, City             | 1030 Brussels                                                    |
| Country                    | Belgium                                                          |
| Telephone number           | 0032 - (0)2 - 5533890                                            |
| Fax number                 | 0032 - (0)2 - 5536007                                            |
| Homepage                   | <a href="http://www.ewi-vlaanderen.be">www.ewi-vlaanderen.be</a> |

Type of Organisation:

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                 |
|---------------------|-----------------------------------------------|
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| Institution/Company | Department of Economy, Science and Innovation |
| eMail               | pol.verhaegen@ewi.vlaanderen.be               |
| Internet            | www.ewi-vlaanderen.be                         |
| Telephone Number    | 0032 - (0)2 - 5533890                         |
| Fax Number          | 0032 - (0)2 - 5536007                         |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                     |
|------------------------------|-------------------------------------|
| Population                   | 6,161,600 inhabitants               |
| Area                         | 13,522 km <sup>2</sup>              |
| Population density           | 455 inhabitants per km <sup>2</sup> |
| Gross Domestic Product (GDP) | 162.818 million EUR                 |
| Main sectors                 |                                     |
| Export                       | 190,600 million EUR                 |
| Import rate                  | 194,000 million EUR                 |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                |              |
|----------------------------------------------------------------|--------------|
| Number of companies in total                                   | 916          |
| Number of employees                                            | 64,000       |
| Export rate                                                    | 80%          |
| Sector structure                                               | NACE 24 + 25 |
| Share of Chemistry in relation to whole industry in the region | 23%          |

## II.2 Research capacities

Number of universities / technical colleges / universities of applied science: 3 universities / 10 technical colleges

Number of universities / technical colleges / universities of applied science with chemical department: 5 universities / 17 technical colleges

Technology:

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Essenscia Vlaanderen  
 Homepage [www.essenscia.be](http://www.essenscia.be)  
 e-Mail [info@essenscia.be](mailto:info@essenscia.be)

Name of Organisation: Vakverenigingen: KVCV - K VIV - VIK  
 Homepage [www.kvcv.be](http://www.kvcv.be) - [www.ti.kviv.be](http://www.ti.kviv.be) - [www.vik.be](http://www.vik.be)  
 e-Mail [info@kvcv.be](mailto:info@kvcv.be) - [directie@ti.kviv.be](mailto:directie@ti.kviv.be) - [ing@ik.be](mailto:ing@ik.be)

## II.4 Main players (companies)

- 3M Belgium, [www.mmm.com](http://www.mmm.com)
- Air Liquide Industries Belgium, [www.airliquide.be](http://www.airliquide.be)
- BASF Antwerpen, [www.basf.be](http://www.basf.be)
- Bayer Antwerpen Comm.V, [www.bayermaterialsscience.com](http://www.bayermaterialsscience.com) resp. [www.bayer.be](http://www.bayer.be)
- Degussa Antwerpen, [www.degussa.com](http://www.degussa.com)
- DOW Belgium bvba, [www.dow.com](http://www.dow.com)
- Janssen Pharmaceutica, [www.jnj.com](http://www.jnj.com)
- Pfizer Manufacturing Belgium, [www.pfizer.be](http://www.pfizer.be)
- Solvic Lillo, [www.solvay.com](http://www.solvay.com)





Foto: BASF Antwerpen n.v. ©

## Region: Wallonia

Logo / Map of the Region:



Wallonie



## Responsible ECRN-Partner

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| Organisation:              | Service Public de Wallonie – DG06 – Département de la Compétitivité et de l'Innovation |
| Address (Mail Box, Street) | Place de la Wallonie, 1 Bât 1                                                          |
| Postcode, City             | B – 5100 Namur                                                                         |
| Country                    | Belgium                                                                                |
| Telephone number           | 0032 - (0)81 33 39 00                                                                  |
| Fax number                 | 0032 - (0)81 33 37 44                                                                  |
| Homepage                   | <a href="http://economie.wallonie.be">http://economie.wallonie.be</a>                  |

Type of Organisation:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                                         | Team Member 2                                                         |
|---------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Surname, Name       | Collet, Daniel                                                        | Racquez, Sophie                                                       |
| Institution/Company | Service Public de la Wallonie                                         | Service Public de la Wallonie                                         |
| eMail               | daniel.collet@spw.wallonie.be                                         | sophie.racquez@spw.wallonie.be                                        |
| Internet            | <a href="http://economie.wallonie.be">http://economie.wallonie.be</a> | <a href="http://economie.wallonie.be">http://economie.wallonie.be</a> |
| Telephone Number    | 0032 - (0)81 33 39 00                                                 | 0032 - (0)81 33 39 00                                                 |
| Fax Number          | 0032 - (0)81 33 37 44                                                 | 0032 - (0)81 33 37 44                                                 |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 3.43 million inhabitants                                                                                                                                                                                               |
| Area                         | 16,844 km <sup>2</sup>                                                                                                                                                                                                 |
| Population density           | 203.98 inhabitants per km <sup>2</sup>                                                                                                                                                                                 |
| Gross Domestic Product (GDP) | 73.8 billion EUR                                                                                                                                                                                                       |
| Main sectors                 | Chemistry and life sciences, technological industry, environment and sustainable development, transport and logistics, mechanical engineering and mechatronics, agri-food industry, building industry, wood processing |
| Export                       | > 50%                                                                                                                                                                                                                  |
| Import rate                  |                                                                                                                                                                                                                        |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                |                                                                                                                                                                          |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total                                   | 370                                                                                                                                                                      |
| Number of employees                                            | 25,300 (60,000 direct and indirect)                                                                                                                                      |
| Export rate                                                    | 79.8% (chemistry and life sciences)                                                                                                                                      |
| Sector structure                                               | high-tech pharmaceutical industry & biotechnology (45% of the jobs), basic chemical manufacturing (22%), plastics processing (15%), cosmetics, perfumes, detergents (6%) |
| Share of Chemistry in relation to whole industry in the region | 22.1% (chemistry and life sciences)                                                                                                                                      |

## II.2 Research capacities

Number of universities / technical colleges /universities of applied science: 9 university centres, 13 higher education colleges, 30 research centres, 6 university science parks, numerous shared research centres and a wide “centres of excellence” network

Number of universities / technical colleges /universities of applied science with chemical department:

Technology: specialty chemicals, i.e. drugs, vaccines, chemical products such as cosmetics and other products with high added value. Next come the basic chemicals and plastic processing.

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Essenscia Wallonie  
Homepage: [www.essenscia.be](http://www.essenscia.be)  
e-Mail: [info@essenscia.be](mailto:info@essenscia.be)

Name of Organisation: Biowin  
Homepage: [www.biowin.org](http://www.biowin.org)  
e-Mail: [contact@biowin.org](mailto:contact@biowin.org)

Name of Organisation: Plastiwin  
Homepage: <http://clusters.wallonie.be/plastiwin/en>  
e-Mail: [plastiwin.bphilippe@gmail.com](mailto:plastiwin.bphilippe@gmail.com)

## II.4 Main players (companies)

Name of Company: GSK  
Homepage: [www.gsk.com](http://www.gsk.com)

Name of Company: UCB  
Homepage: [www.ucb-group.com](http://www.ucb-group.com)

Name of Company: Solvay  
Homepage: [www.solvay.com](http://www.solvay.com)

Name of Company: Prayon  
Homepage: [www.prayon.com](http://www.prayon.com)

Name of Company: NMC  
Homepage: [www.nmc.be](http://www.nmc.be)

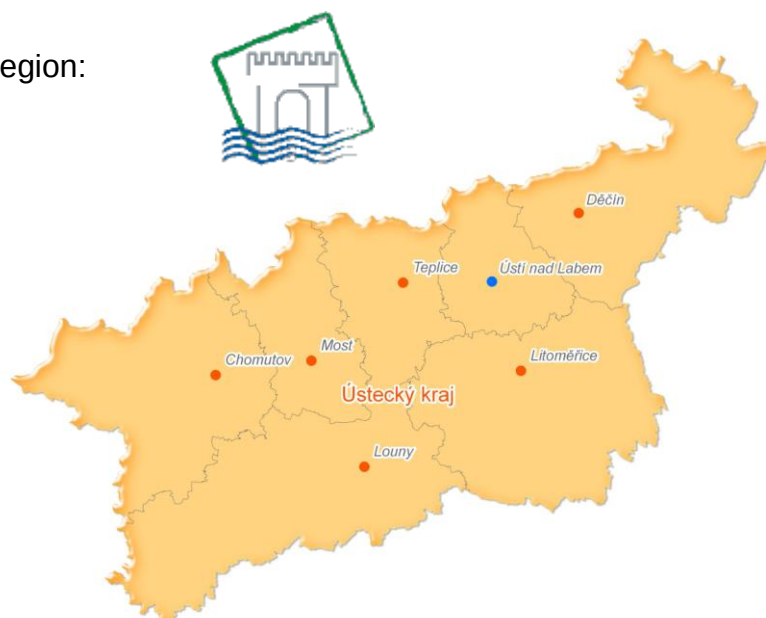


Foto: Feluy ©

# CZECH REPUBLIC

## Region: Ústí Region (Ústecký kraj)

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Organisation:              | Regional Authority of the Ústí Region                    |
| Address (Mail Box, Street) | Velká Hradební 48                                        |
| Postcode, City             | 400 02, Ústí nad Labem                                   |
| Country                    | Czech Republic                                           |
| Telephone number           | 00420 – (0)475 – 657756                                  |
| Fax number                 | 00420 – (0)475 – 657719                                  |
| Homepage                   | <a href="http://www.kr-ustecky.cz">www.kr-ustecky.cz</a> |

Type of Organisation:

- |                                       |                                                         |
|---------------------------------------|---------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                                |
| University or Educational institution | <input type="checkbox"/>                                |
| Public Organisation (please specify)  | <input type="checkbox"/>                                |
| Private enterprise                    | <input type="checkbox"/>                                |
| Other (please specify)                | <input checked="" type="checkbox"/> Regional Government |

Contact details for ECRN:

| Contact Details     | Team Member 1          | Team Member 2                | Team Member 3          |
|---------------------|------------------------|------------------------------|------------------------|
| Surname, Name       | Fiala, Petr            | Pokorná, Markéta             | Sixta, Jan             |
| Institution/Company | The Ústí Region        | The Ústí Region              | The Ústí Region        |
| eMail               | fiala.p@kr-ustecky.cz  | brusselsoffice@kr-ustecky.cz | sixta.j@kr-ustecky.cz  |
| Internet            | www.kr-ustecky.cz      | www.kr-ustecky.cz            | www.kr-ustecky.cz      |
| Telephone Number    | 0042 - (0)475 – 657818 | 0032 - (0)2 - 2139510        | 0042 - (0)475 – 657107 |
| Fax Number          | 0042 - (0)475 - 657719 | 0032 - (0)2 - 2139511        | 0042 - (0)475 - 657737 |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| Population                   | 836,063 inhabitants (2010)                                             |
| Area                         | 5,335 km <sup>2</sup>                                                  |
| Population density           | 157 inhabitants per km <sup>2</sup>                                    |
| Gross Domestic Product (GDP) | 11,383 EUR per inhabitant, 9.517 million EUR (2008)                    |
| Main sectors                 | Chemical industry<br>Coal mining<br>Automotive industry<br>Engineering |
| Export                       | 6.365 million EUR (2008)                                               |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| Number of companies in total | 20 (enterprises with more than 100 employees and head office in the region) |
| Number of employees          | 7,472 (11% in the whole industry in the region)                             |
| Export rate                  | 26.1% (chemical products in comparison to the total export, 2008)           |

|                  |                                                                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sector structure | 50% production of chemicals, cosmetics, pharmaceuticals and synthetic fibres, 45% production of rubber and plastics, 5% production of coke, fissionable fuel and crude oil processing |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                |                                 |
|----------------------------------------------------------------|---------------------------------|
| Share of Chemistry in relation to whole industry in the region | 49% ( <i>revenues in 2008</i> ) |
|----------------------------------------------------------------|---------------------------------|

## II.2 Research capacities

|                                                                               |   |
|-------------------------------------------------------------------------------|---|
| Number of universities / technical colleges /universities of applied science: | 3 |
|-------------------------------------------------------------------------------|---|

|                                                                                                        |   |
|--------------------------------------------------------------------------------------------------------|---|
| Number of universities / technical colleges /universities of applied science with chemical department: | 3 |
|--------------------------------------------------------------------------------------------------------|---|

|             |                                |
|-------------|--------------------------------|
| Technology: | chemistry, mining, engineering |
|-------------|--------------------------------|

## II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Name of Organisation: | Association of Chemical Industry CZ (Svaz chemického průmyslu ČR) |
|-----------------------|-------------------------------------------------------------------|

|          |                                                |
|----------|------------------------------------------------|
| Homepage | <a href="http://www.schp.cz">www.schp.cz</a>   |
| e-Mail   | <a href="mailto:mail@schp.cz">mail@schp.cz</a> |

## II.4 Main players (companies)

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Name of Company: | UNIPETROL RPA s.r.o.                                         |
| Homepage:        | <a href="http://www.unipetrolrpa.cz">www.unipetrolrpa.cz</a> |

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Name of Company: | Spolchemie a.s.                                          |
| Homepage:        | <a href="http://www.spolchemie.cz">www.spolchemie.cz</a> |

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| Name of Company: | Česká rafinérská a.s.                                              |
| Homepage:        | <a href="http://www.ceskarafinerska.cz">www.ceskarafinerska.cz</a> |

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Name of Company: | Lovochemie a.s., Lovosice                                |
| Homepage:        | <a href="http://www.lovochemie.cz">www.lovochemie.cz</a> |



Name of Company: Glanzstoff Bohemia s.r.o.  
Homepage: [www.glanzstoff.com/main\\_cz.htm](http://www.glanzstoff.com/main_cz.htm)

Name of Company: CHEMOTEX Děčín a.s.  
Homepage: [www.chemotex.cz](http://www.chemotex.cz)

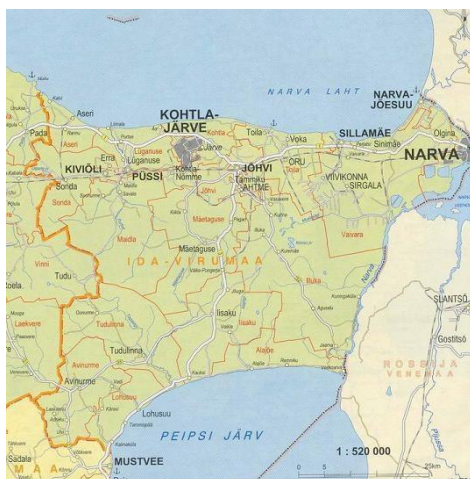
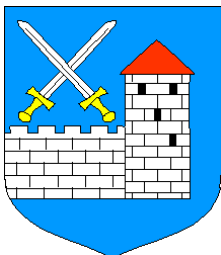
Name of Company: Research Institute of Inorganic Chemistry, Ústí nad Labem  
Homepage: [www.vuanch.cz](http://www.vuanch.cz)



# ESTONIA

## Region: Ida-Virumaa County

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Organisation:              | Ida – Virumaa County Government, ESTONIA          |
| Address (Mail Box, Street) | Ida – Virumaa County Government,<br>Keskväljaku 1 |
| Postcode, City             | 41594 Jõhvi                                       |
| Country                    | Estonia                                           |
| Telephone number           | +372 - 3321201                                    |
| Fax number                 | +372 - 3321240                                    |
| Homepage                   | <a href="http://www.ivmv.ee">www.ivmv.ee</a>      |

Type of Organisation:

|                                       |                                                                     |
|---------------------------------------|---------------------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                                            |
| University or Educational institution | <input type="checkbox"/>                                            |
| Public Organisation (please specify)  | <input checked="" type="checkbox"/> Ida – Virumaa County Government |
| Private enterprise                    | <input type="checkbox"/>                                            |
| Other (please specify)                | <input type="checkbox"/>                                            |

Contact details for ECRN:

| Contact Details     | Team Member 1                   | Team Member 2                   |
|---------------------|---------------------------------|---------------------------------|
| Surname, Name       | Breivel, Riho                   | Narusk, Indrek                  |
| Institution/Company | Ida – Virumaa County Government | Ida – Virumaa County Government |
| eMail               | riho.breivel@ivmv.ee            | indrek.narusk@ivmv.ee           |
| Telephone Number    | 00372 - 3321201                 | 00372 - 3321201                 |
| Fax Number          | 00372 - 3321240                 | 00372 - 3321240                 |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Population                   | 178,000 inhabitants                                                                       |
| Area                         | 3,364 km <sup>2</sup>                                                                     |
| Population density           | 51 inhabitants per km <sup>2</sup>                                                        |
| Gross Domestic Product (GDP) | 0.95 billion EUR                                                                          |
| Main sectors                 | Oil-shale industry & energy, Chemical Industry, Metal processing and machine construction |
| Export                       | 600 million EUR                                                                           |
| Import                       | 280 million EUR                                                                           |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |      |
|------------------------------|------|
| Number of companies in total | 10   |
| Number of employees          | 6000 |

**II.2 Research capacities**

|                                                                                                       |   |
|-------------------------------------------------------------------------------------------------------|---|
| Number of universities, technical colleges, universities of applied science:                          | 5 |
| Number of universities, technical colleges, universities of applied science with chemical department: | 1 |

### II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: AS Viru Keemia Grupp  
Homepage [www.vkg.ee](http://www.vkg.ee)  
e-Mail [info@vkg.ee](mailto:info@vkg.ee)

Name of Organisation: AS Silmet  
Homepage [www.silmet.ee](http://www.silmet.ee)  
e-Mail: [sekretar@silmet.ee](mailto:sekretar@silmet.ee)

Name of Organisation: AS Nitrofert  
Homepage [www.nitrofert.ee](http://www.nitrofert.ee)  
e-Mail [info@nitrofert.ee](mailto:info@nitrofert.ee)

Name of Organisation: AS Narva Elektriijaamad  
Homepage [www.powerplant.ee/firmast.php#olitehas](http://www.powerplant.ee/firmast.php#olitehas)

Name of Organisation: AS Novotrade Invest  
Homepage: [www.vnk.ee](http://www.vnk.ee)

Name of Company: OÜ Kiviõli Keemiatööstuse  
Homepage: [www.keemiatootus.ee](http://www.keemiatootus.ee)  
e-Mail: [info@keemiatootus.ee](mailto:info@keemiatootus.ee)

Name of Company: AS Genovique Specialties  
Homepage: [www.genovique.com](http://www.genovique.com)  
e-Mail: [marketing@genovique.com](mailto:marketing@genovique.com)

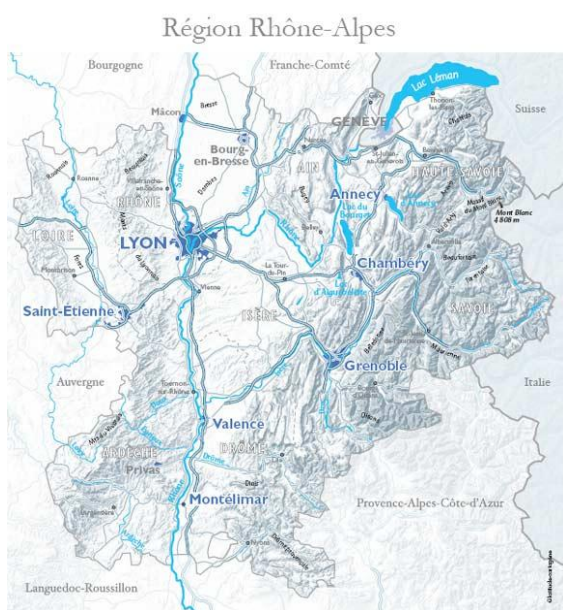


# FRANCE

## Region: Rhône-Alpes

Logo / Map of the Region:

**Rhône-Alpes** Région



## Responsible ECRN-Partner

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| Organisation:              | Conseil Régional Rhône-Alpes                             |
| Address (Mail Box, Street) | 78, route de Paris                                       |
| Postcode, City             | 69751 Charbonnières-les-Bains                            |
| Country                    | France                                                   |
| Telephone number           | 0033 - (0)472594000                                      |
| Fax number                 | 0033 - (0)472594218                                      |
| Homepage                   | <a href="http://www.rhonealpes.fr">www.rhonealpes.fr</a> |

Type of Organisation:

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| Ministry                              | <input type="checkbox"/>                   |
| University or Educational institution | <input type="checkbox"/>                   |
| Public Organisation (please specify)  | <input checked="" type="checkbox"/> Region |
| Private enterprise                    | <input type="checkbox"/>                   |
| Other (please specify)                | <input type="checkbox"/>                   |



Contact details for ECRN:

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| Institution/Company | Economy, Research, innovation, and Tourism Department (DERTT)          | Economy, Research, innovation, and Tourism Department (DERTT)             | AXELERA<br>Chemistry-Environment competitive Cluster |
| eMail               | hlutz@rhonealpes.fr                                                    | cpicard@rhonealpes.fr<br>llabrousse@rhonealpes.fr                         | philippe.lethuaud@axelera.org                        |
| Internet            | www.rhonealpes.fr                                                      | www.rhonealpes.fr                                                         | www.axelera.org                                      |
| Telephone Number    | 0033 - (0)472595477                                                    | 0033 - (0)472596195<br>0033 - (0)472595490                                | 0033 - (0)478773619                                  |
| Fax Number          | 0033 - (0)472594353                                                    |                                                                           | 0033 - (0)478770729                                  |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 6,000,000 inhabitants (9.5% of France)                                                                                                                                                                                                                                                    |
| Area                         | 43,000 km <sup>2</sup>                                                                                                                                                                                                                                                                    |
| Population density           | 137 inhabitants per km <sup>2</sup>                                                                                                                                                                                                                                                       |
| Gross Domestic Product (GDP) | 182.6 billion EUR                                                                                                                                                                                                                                                                         |
| Main sectors                 | Metal industry, mechanical engineering, chemicals (12.3% of the French industrial GDP), plastic transformation, textiles and garments, electrical and electronic construction, pharmaceutical and health industries, biotechnology and nanotechnology, environment and energy management. |
| Export- and Import rate      | Exports 2008: 46.6 billion EUR (export rate: 25%)<br>Imports 2008: 40.4 billion EUR (import rate: 21%)                                                                                                                                                                                    |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                 |                                                                                                                                                  |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total                                    | 350 enterprises                                                                                                                                  |
| Number of employees                                             | 32,000 employees in 2008 (the third largest regional employer)                                                                                   |
| Export rate                                                     | Exports: 6.9 billion EUR in 2007 (16% of regional exports)                                                                                       |
| Sector structure                                                | In number of enterprises: 28% for basic chemistry, 38% for intermediate and speciality chemistry, 17% for consumption chemical products          |
| Share of Chemistry in relation to whole industry in the region: | The 2nd largest industrial sector in the region by turnover and 15% of all regional industrial investments: 500 millions EUR investments in 2008 |

## II.2 Research capacities

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of universities / technical colleges /universities of applied science: | Rhône-Alpes offers a chain of top-tier comprehensive training with a strong reputation in chemicals and the environment, from operators through to engineers, including ongoing training. Around 1,300 chemical engineers and 1,350 chemistry doctors a year. More than 230,000 students, 9 universities and 40 ‘grandes écoles’ in total in Rhône-Alpes; 25% of national research capacities |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                        |                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of universities / technical colleges /universities of applied science with chemical department: | International Competitiveness Cluster Lyon & Rhône-Alpes Chemicals Environnement (AXELERA)<br>Research cluster “Sustainable Chemistry and Chemistry for Health” Institut des Sciences Analytiques, UMR CNRS-Rhodia, Institut de Chimie de Lyon, Institut Français du Pétrole |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technology: | R&D research centers with an European scale (Arkema, Rhodia, Bluestar Silicones France Total, Bayer, CNRS, UCBL, UJF, Grandes Ecoles) and inside SMEs (Condat, Gattefossé, SNF...) |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Name of Organisation: | AXELERA                                                                          |
| Homepage              | <a href="http://www.axelera.org">http://www.axelera.org</a>                      |
| E-mail                | <a href="mailto:philippe.lethuaud@axelera.org">philippe.lethuaud@axelera.org</a> |

Name of Organisation: IFP: World-class public sector research and training center  
 Homepage [www.ifp.com](http://www.ifp.com)  
 E-mail [benedicte.reverdy@ifp.fr](mailto:benedicte.reverdy@ifp.fr)

Name of Organisation: UCBL: Claude Bernard University of Lyon  
 Homepage [www.univ-lyon1.fr](http://www.univ-lyon1.fr)  
 E-mail [dominique.marcel-chatelain@adm.univ-lyon1.fr](mailto:dominique.marcel-chatelain@adm.univ-lyon1.fr) (Mme Dominique Marcel-Chatelain, Vice présidente déléguée aux Relations Internationales de l'UCBL)

Name of Organisation: Ecole Nationale Supérieure des Mines de Saint-Etienne  
 Homepage [www.emse.fr](http://www.emse.fr)  
 E-mail [gthomas@emse.fr](mailto:gthomas@emse.fr) (Monsieur Gérard Thomas)

Name of Organisation: CEMAGREF: Agricultural and environmental Engineering research  
 Homepage [www.cemagref.fr](http://www.cemagref.fr)  
 E-mail [gthomas@emse.fr](mailto:gthomas@emse.fr) (Monsieur Gérard Thomas)

Name of Organisation: CNRS: Centre National de la Recherche Scientifique  
 Homepage <http://www.dr7.cnrs.fr>  
 E-mail

## II.4 Main players (companies)

Name of Company: ARKEMA: Arkema develops, manufactures and markets chemical products. Arkema is world leader in manufacturing PMMA, fluorinated chemicals, hydrogen peroxide, organic peroxides, molecular sieve, and European leader in chlorochemical sector.  
 Homepage: [www.arkema.com](http://www.arkema.com)

Name of Company: RHODIA: Execution and participation in execution of research and development of products and processes in chemical and physical areas, engineering technologies. Expert in organic chemistry, mineral chemistry, catalyst, physic-chemical properties of complex systems. High rate test (Laboratory of the future)  
 Homepage: [www.rhodia.com](http://www.rhodia.com)

Name of Company: GDF-SUEZ is an international industrial and services Group. It designs sustainable and innovative solutions in the management of public utilities as a partner of public authorities, businesses and



individuals. The Group aims to answer essential needs in electricity, natural gas, energy services, water and waste management.

Homepage: [www.gdfsuez.com/FR/fr/](http://www.gdfsuez.com/FR/fr/)

Name of Company: BLUESTAR SILICONES: France World leader in silicone chemistry and formulation. BLUESTAR is specialized in performance coatings (release & textile), performances additives (hydrophobic additives, paints additives, antifoams...) and engineered elastomers (health care, moulding, automotive & aerospatiale...)

Homepage: [www.bluestarsilicones.com](http://www.bluestarsilicones.com)

Name of Company: THETIS ENVIRONNEMENT: Innovative waste water treatment equipment manufacturer to fight "legionelle"

Homepage: [www.thetis-environnement.com](http://www.thetis-environnement.com)

Name of Company: ODOTECH: a specialized environmental company: focused on measuring and monitoring odors, and on predicting their impact. It does considerable Research & Development, it provides consulting services, and it manufactures odor instrumentation

Homepage: [www.odotech.com](http://www.odotech.com)

Name of Company: RVX: an engineering firm, recycles and upgrades your wastes by developing processes and realising units

Homepage: [www.rvx.fr](http://www.rvx.fr)

Name of Company: JET METAL TECHNOLOGIES: Innovating solutions of metal deposits

Homepage: [www.jetmetal-tech.com](http://www.jetmetal-tech.com)

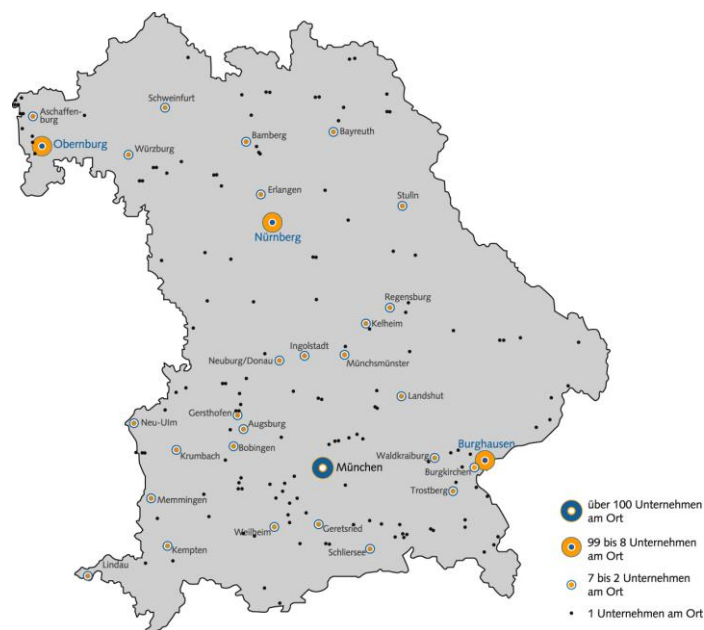


Crédit photo: Gil Lebois

# GERMANY

## Region: Bavaria

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Organisation:              | Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology |
| Address (Mail Box, Street) | Prinzregentenstrasse 28                                                         |
| Postcode, City             | D-80538 Munich                                                                  |
| Country                    | Germany                                                                         |
| Telephone number           | 0049 - (0)89 - 2162 - 0                                                         |
| Fax number                 | 0049 - (0)89 - 2162 - 2760                                                      |
| Homepage                   | <a href="http://www.stmwivt.bayern.de">www.stmwivt.bayern.de</a>                |

Type of Organisation:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                                                      | Team Member 2                                                                      |
|---------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Surname, Name       | Dr. Niedzela-Schmutte, Andrea                                                      | Heitzer, Roland                                                                    |
| Institution/Company | Bavarian Ministry of Economic Affairs,<br>Infrastructure, Transport and Technology | Bavarian Ministry of Economic Affairs,<br>Infrastructure, Transport and Technology |
| eMail               | andrea.niedzela-<br>schmutte@stmwivt.bayern.de                                     | roland.heitzer@stmwivt.bayern.de                                                   |
| Internet            | www.stmwivt.bayern.de                                                              | www.stmwivt.bayern.de                                                              |
| Telephone Number    | 0049 - (0)89 – 2162 - 2308                                                         | 0049 - (0)89 – 2162 - 2205                                                         |
| Fax Number          | 0049 - (0)89 – 2162 - 3308                                                         | 0049 - (0)89 – 2162 - 3205                                                         |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------|
| Population                   | 12,510,331 million inhabitants                                                                             |
| Area                         | 70,551 km <sup>2</sup>                                                                                     |
| Population density           | 177 inhabitants per km <sup>2</sup>                                                                        |
| Gross Domestic Product (GDP) | 429.9 billion EUR                                                                                          |
| Main sectors                 | Automotive, mechanical engineering, electrical engineering & electronics, food products, chemical industry |
| Export- and Import rate      | export: 124.0 billion EUR<br>import: 109.9 billion EUR                                                     |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                   |                                                                                                                                                                                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total                                      | 260 (with more than 20 employees)                                                                                                                                                      |
| Number of employees                                               | 54,696                                                                                                                                                                                 |
| Export rate                                                       | 57.5%                                                                                                                                                                                  |
| Sector structure                                                  | basic chemicals (43%), pharmaceuticals (12%), soap, washing powder, cleaning agents and body care products (14%), dyes, print colours and fillers (10%), other chemical products (21%) |
| Share of Chemistry in relation<br>to whole industry in the region | 5% of all employees, 5% of turnover                                                                                                                                                    |

## II.2 Research capacities

Number of universities / technical  
colleges /universities of applied science: 47

Number of universities / technical  
colleges /universities of applied  
science with chemical department: 12

Technology: 38 research institutes

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Verband der Chemischen Industrie e.V.  
Landesverband Bayern  
Homepage [www.chemie-kvi-bayern.de](http://www.chemie-kvi-bayern.de)  
E-Mail [vci@lv-bayern.vci.de](mailto:vci@lv-bayern.vci.de)

Name of Organisation: Verein der Bayerischen Chemischen Industrie e.V.  
Arbeitgeberverband  
Homepage [www.chemie-kvi-bayern.de](http://www.chemie-kvi-bayern.de)  
e-Mail [vbci@chemie-kvi-bayern.de](mailto:vbci@chemie-kvi-bayern.de)

## II.4 Main players (chemical parks)

Name of Company: AlzChem Trostberg GmbH  
Homepage: [www.alzchem.de](http://www.alzchem.de)

Name of Company: BASF SE  
Homepage: [www.basf.com](http://www.basf.com)

Name of Company: Borealis Polymere GmbH  
Homepage: [www.borealisgroup.com](http://www.borealisgroup.com)

Name of Company: Clariant Produkte (Deutschland) GmbH  
Homepage: [www.clariant.de](http://www.clariant.de)

Name of Company: Roche Diagnostics GmbH  
Homepage: [www.roche.de](http://www.roche.de)

Name of Company: Süd-Chemie AG  
Homepage: [www.sud-chemie.de](http://www.sud-chemie.de)

Name of Company: Vinnolit GmbH & CoKG  
Homepage: [www.vinnolit.de](http://www.vinnolit.de)

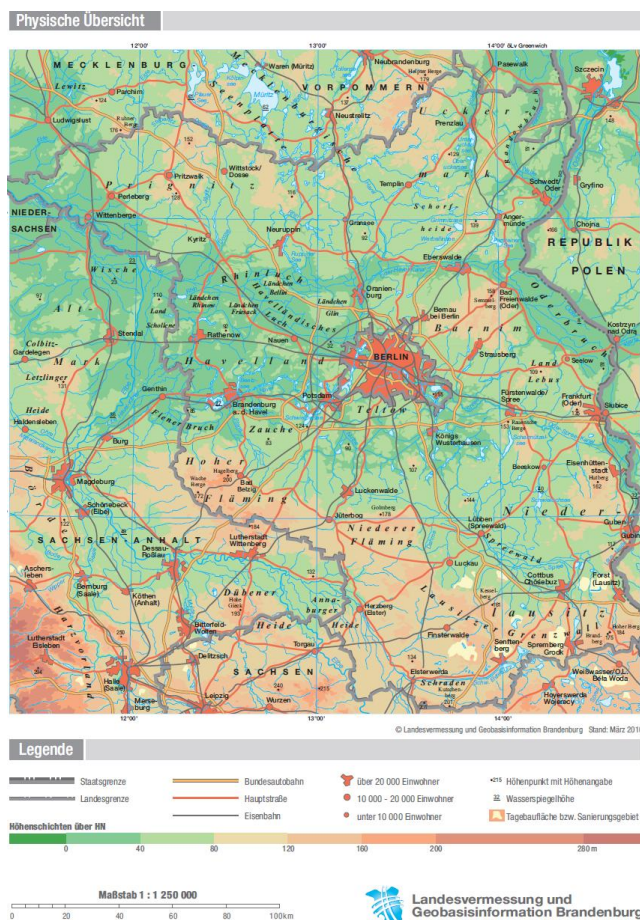
Name of Company: WACKER Chemie AG  
Homepage: [www.wacker.com](http://www.wacker.com)



Picture: Wacker

## Region: Brandenburg

Logo / Map of the Region:



## Responsible ECRN-Partner

Organisation: Ministry of Economics and European Affairs  
 Address (Mail Box, Street) Heinrich-Mann-Allee 107  
 Postcode, City D-14473 Potsdam  
 Country Germany  
 Telephone number 0049 - (0)331 - 8661620  
 Fax number 0049 - (0)331 - 8661573  
 Homepage [www.mwe.brandenburg.de](http://www.mwe.brandenburg.de)

Type of Organisation:

Ministry ☒  
 University or Educational institution ☐  
 Public Organisation (please specify) ☐  
 Private enterprise ☐  
 Other (please specify) ☐



Contact details for ECRN:

| Contact Details     | Team Member 1                         | Team Member 2                      |
|---------------------|---------------------------------------|------------------------------------|
| Surname, Name       | Siebke, Klaus - Peter                 | Rohland, Michael                   |
| Institution/Company | Head of the Industry Division         | Industry Division                  |
| eMail               | klaus-peter.siebke@mwe.brandenburg.de | michael.rohland@mwe.brandenburg.de |
| Internet            |                                       |                                    |
| Telephone Number    | 0049 - (0)3318661642                  | 0049 - (0)3318661620               |
| Fax Number          | 0049 - (0)3318661573                  | 0049 - (0)3318661573               |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 2.6 million inhabitants                                                                                                              |
| Area                         | 29,500 km <sup>2</sup>                                                                                                               |
| Population density           | 87 inhabitants per km <sup>2</sup>                                                                                                   |
| Gross Domestic Product (GDP) | 53,891.4 million EUR                                                                                                                 |
| Main sectors                 | Tourism, Aviation and Space Industry, Railway Construction Industry, Energy Industry, Food Industry, Chemicals and Plastics Industry |
| Export rate                  | 19.89%                                                                                                                               |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                |                                                                                           |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Number of companies in total                                   | 29                                                                                        |
| Number of employees                                            | 4,500                                                                                     |
| Export rate                                                    | 9.4%                                                                                      |
| Sector structure                                               | Basic chemicals, chemical fibers, paints, pharmaceuticals, plastics, chemical specialties |
| Share of Chemistry in relation to whole industry in the region | 6.9%                                                                                      |

## II.2 Research capacities

Number of universities / technical colleges / universities of applied science: 9

Number of universities / technical colleges / universities of applied science with chemical department: 4

Technology: 4

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Verband der Chemischen Industrie e.V. Landesverband Nordost  
Homepage: [www.nordostchemie.de](http://www.nordostchemie.de)  
e-mail: [post@lv-no.vci](mailto:post@lv-no.vci)

Name of Organisation: Kunststoff-Verbund – Brandenburg Berlin e.V.  
Homepage: [www.kuvbb.de](http://www.kuvbb.de)  
e-Mail: [info@kuvbb.de](mailto:info@kuvbb.de)

## II.4 Main players (companies)

Name of Company: BASF Schwarzheide GmbH  
Homepage: [www.basf-schwarzheide.de](http://www.basf-schwarzheide.de)

Name of Company: Trevira GmbH Werk Guben  
Homepage: [www.trevira.de](http://www.trevira.de)

Name of Company: Nycomed GmbH Betriebsstätte Oranienburg  
Homepage: [www.nycomed.de](http://www.nycomed.de)

Name of Company: Vestas Blades Deutschland GmbH  
Homepage: [www.rotorblattwerk-lauchhammer.com](http://www.rotorblattwerk-lauchhammer.com)

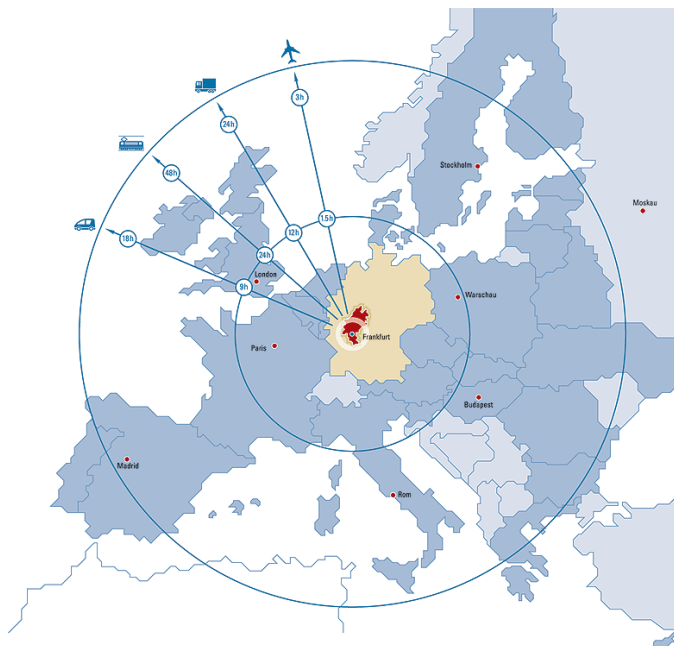
Name of Company: PCK Raffinerie GmbH  
Homepage: [www.pck.de](http://www.pck.de)





## Region: Hesse

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| Organisation:              | Hessian Ministry of Economics, Transport, Urban and Regional Development (HMWVL) |
| Address (Mail Box, Street) | Kaiser-Friedrich-Ring 75                                                         |
| Postcode, City             | D-65185 Wiesbaden                                                                |
| Country                    |                                                                                  |
| Telephone number           | 0049 - (0)611 - 8150                                                             |
| Fax number                 | 0049 - (0)611 - 8152228                                                          |
| Homepage                   | <a href="http://www.wirtschaft.hessen.de">www.wirtschaft.hessen.de</a>           |

Type of Organisation:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                 | Team Member 2              | Team Member 3                   |
|---------------------|-------------------------------|----------------------------|---------------------------------|
| Surname, Name       | Weigandt, Hans                | Senf, Peter                | Schuster, Thomas                |
| Institution/Company | HMWVL                         | HMWVL                      | HMWVL                           |
| eMail               | hans.weigandt@hmwvl.hessen.de | peter.senf@hmwvl.hessen.de | thomas.schuster@hmwvl.hessen.de |
| Internet            | www.wirtschaft.hessen.de      | www.wirtschaft.hessen.de   | www.wirtschaft.hessen.de        |
| Telephone Number    | 0049 - (0)6118152286          | 0049 - (0)6118152319       | 0049 - (0)6118152495            |
| Fax Number          | 0049 - (0)6118152228          | 0049 - (0)6118152228       | 0049 - (0)6118152228            |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 6.1 million inhabitants                                                                                                                                                                                                                                                      |
| Area                         | 21,115 km <sup>2</sup>                                                                                                                                                                                                                                                       |
| Population density           | 288 inhabitants per km <sup>2</sup>                                                                                                                                                                                                                                          |
| Gross Domestic Product (GDP) | 33,614 EUR per capita                                                                                                                                                                                                                                                        |
| Main sectors                 | Services (75% of Gross Value Added: Financials, Insurers, Logistics, Communication, Business Service Industries)<br>Manufacturing Industry without Construction (21% of Gross Value Added: Chemicals and Pharmaceuticals, Motor Vehicles, Electrical Engineering, Machinery) |
| Export- and Import rate      | 47% (Manufacturing Industry without Construction)                                                                                                                                                                                                                            |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                |                                                                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total   | 186                                                                                                                                                |
| Number of employees            | 59,000                                                                                                                                             |
| Export rate                    | 63%                                                                                                                                                |
| Sector structure               | Pharmaceuticals (49%), basic chemicals (33%), paints, printing inks (6%), other chemical products (5%), detergents and personal care products (3%) |
| Share of Chemistry in relation |                                                                                                                                                    |

to whole industry in the region      15% of employees

## II.2 Research capacities

Number of universities / technical  
colleges /universities of applied science:      18

Number of universities / technical  
colleges /universities of applied  
science with chemical department:      8

Technology:      5 Max Planck Institutes, 32 Technology and Start-up Centers and  
more than 100 scientific research institutions

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation:      Hessen Agentur GmbH  
Homepage      [www.hessen-agentur.de](http://www.hessen-agentur.de)

Name of Organisation:      Hessen's business portal  
Homepage      [www.invest-in-hessen.de](http://www.invest-in-hessen.de)

Name of Organisation:      Frankfurt am Main Chamber of Commerce and Industry  
Homepage      [www.frankfurt-main.ihk.de/english](http://www.frankfurt-main.ihk.de/english)

Name of Organisation:      German Chemical Industry Association, Regional Association  
Hessen  
Homepage      [www.vci.de](http://www.vci.de)

Name of Organisation:      Association of Chemical and Related Industry Employers in the  
State of Hesse  
Homepage      [www.hessenchemie.de](http://www.hessenchemie.de)

## II.4 Main players (chemical parks)

AllessaChemie, Frankfurt      [www.allessa.de](http://www.allessa.de)

Ciba Spezialitäten, Lampertheim      [www.ciba.com/lampertheim](http://www.ciba.com/lampertheim)

Industriepark Griesheim,  
Frankfurt      [www.industriepark-griesheim.de](http://www.industriepark-griesheim.de)

Infraserv Höchst, Frankfurt

[www.infraserv.com](http://www.infraserv.com)

Industriepark Wolfgang, Hanau

[www.industriepark-wolfgang.de](http://www.industriepark-wolfgang.de)

Kalle-Albert, Wiesbaden

[www.infraserv-wi.de](http://www.infraserv-wi.de)

Pharmaserv, Marburg

[www.pharmaserv.de](http://www.pharmaserv.de)



Industriepark Höchst

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## Region: Lower Saxony



**Niedersachsen**

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| Organisation:              | Lower Saxony Ministry for Economics,<br>Labour and Transport         |
| Address (Mail Box, Street) | Friedrichswall 1                                                     |
| Postcode, City             | D- 30159 Hannover                                                    |
| Country                    | Germany                                                              |
| Telephone number           | 0049 - (0)511 - 1200                                                 |
| Fax number                 | 0049 - (0)511 - 1205782                                              |
| Homepage                   | <a href="http://www.mw.niedersachsen.de">www.mw.niedersachsen.de</a> |

Type of Organisation:

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                |
|---------------------|----------------------------------------------|
| Surname, Name       | Dr. Sabine Palandt                           |
| Institution/Company | Ministry for Economics, Labour and Transport |
| eMail               | sabine.palandt@mw.niedersachsen.de           |
| Internet            | www.mw.niedersachsen.de                      |
| Telephone Number    | 0049 - (0)511 - 1205649                      |
| Fax Number          | 0049 - (0)511 - 120995649                    |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 7,935,672 inhabitants                                                                                                                                                                |
| Area                         | 47,625.43 km <sup>2</sup>                                                                                                                                                            |
| Population density           | 166.6 inhabitants per km <sup>2</sup>                                                                                                                                                |
| Gross Domestic Product (GDP) | 205.6 billion EUR                                                                                                                                                                    |
| Main sectors                 | Automotive Industry, Food Processing, Mechanical Engineering<br>Chemical Industry, Metal Production, Rubber and Plastic,<br>Electrical Engineering and Electronics, Metal Processing |
| Export- and Import rate      | export: 56.86 billion EUR<br>import: 62.07 billion EUR                                                                                                                               |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                   |                                                                                        |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Number of companies in total                                      | 141                                                                                    |
| Number of employees                                               | 20,276                                                                                 |
| Turnover                                                          | 6.585 billion EUR                                                                      |
| Export rate                                                       | 62.6%                                                                                  |
| Sector structure                                                  | Plastics, Inorganic and Organic Chemicals, Cosmetics and Scents,<br>Paint and Lacquers |
| Share of Chemistry in relation to<br>whole industry in the region | 4.3%                                                                                   |

## II.2 Research capacities

Number of universities / technical colleges / universities of applied science: 28

Number of universities / technical colleges / universities of applied science with chemical department: 8

Technology related institutions: 14 centres of competence and 22 research institutes

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Verband der Chemischen Industrie e.V. (VCI), Landesverband Nord  
 Homepage [www.vci-nord.de](http://www.vci-nord.de)  
 e-Mail [klingenberg@lv-nord.vci.de](mailto:klingenberg@lv-nord.vci.de)

Name of Organisation: ChemCoast e.V.  
 Homepage [www.chemcoast.de](http://www.chemcoast.de)  
 e-Mail [info@chemcoast.de](mailto:info@chemcoast.de)

Name of Organisation: Industriepark Walsrode  
 Homepage [www.industriepark-walsrode.de](http://www.industriepark-walsrode.de)  
 e-Mail [awilkens@dow.com](mailto:awilkens@dow.com)

## II.4 Main players (companies)

Name of Company: DOW Deutschland GmbH  
 Homepage: [www.dow.de](http://www.dow.de)

Name of Company: Elastogran GmbH  
 Homepage: [www.elastogran.de](http://www.elastogran.de)

Name of Company: Symrise AG  
 Homepage: [www.symrise.de](http://www.symrise.de)

Name of Company: HC Starck GmbH & Co. KG  
 Homepage: [www.hcstarck.de](http://www.hcstarck.de)



Name of Company:  
Homepage:

Ineos Vinyls Deutschland GmbH  
[www.ineoschlor.com](http://www.ineoschlor.com)

Name of Company:  
Homepage:

Honeywell Specialty Chemicals Seelze GmbH  
[www.honeywell.com](http://www.honeywell.com)



## Region: North Rhine-Westphalia (NRW)

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------|
| Organisation:              | Ministry for Economic Affairs, Energy, Building, Housing and Transport of the State of North Rhine-Westphalia |
| Address (Mail Box, Street) | Haroldstrasse 4                                                                                               |
| Postcode, City             | D-40213 Duesseldorf                                                                                           |
| Country                    | Germany                                                                                                       |
| Telephone number           | 0049 - (0)211 - 83702                                                                                         |
| Fax number                 | 0049 - (0)211 - 8372200                                                                                       |
| Homepage                   | <a href="http://www.wirtschaft.nrw.de/">http://www.wirtschaft.nrw.de/</a>                                     |

### Type of Organisation:

- |                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                                             | Team Member 2                                                             |
|---------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Surname, Name       | Bütof, Karl-Uwe                                                           | n.n.                                                                      |
| Institution/Company | Ministry for Economic Affairs, Energy,<br>Building, Housing and Transport | Ministry for Economic Affairs, Energy,<br>Building, Housing and Transport |
| eMail               | karl-uwe.buetof@mwebwv.nrw.de                                             |                                                                           |
| Internet            | <a href="http://www.wirtschaft.nrw.de">http://www.wirtschaft.nrw.de</a>   | <a href="http://www.wirtschaft.nrw.de">http://www.wirtschaft.nrw.de</a>   |
| Telephone Number    | 0049 -(0)211 - 8372203                                                    |                                                                           |
| Fax Number          | 0049 - (0)211 - 8374146                                                   |                                                                           |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                        |
|------------------------------|----------------------------------------|
| Population                   | 18 million inhabitants                 |
| Area                         | 34,086 km <sup>2</sup>                 |
| Population density           | 529 inhabitants per km <sup>2</sup>    |
| Gross Domestic Product (GDP) | 527.7 billion EUR                      |
| Main sectors                 | see charts No. 11 + 30                 |
| Export- and Import rate      | Export rate = 26.6%, Import rate = 28% |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                          |
|------------------------------|------------------------------------------|
| Number of companies in total | 467 (NACE 24; 20 and more employees)     |
| Number of employees          | 105,690 (NACE 24; 20 and more employees) |
| Export rate                  | 51.3%                                    |
| Sector structure             | see chart                                |

| Economic sector                                                            | NACE-Code | Turnover 2008 (in 1.000 EUR) |
|----------------------------------------------------------------------------|-----------|------------------------------|
| Production of chemical basics                                              | 241       | 36,839,533                   |
| Production of pesticides and biocides                                      | 242       | n/a                          |
| Production of dyes, print colours and fillers                              | 243       | 3,716,025                    |
| Production of pharmaceutical products                                      | 244       | 5,428,610                    |
| Production of soap, washing powder, cleaning agents and body care products | 245       | 6,224,217                    |
| Production of other chemical articles                                      | 246       | 3,531,266                    |
| Production of chemical fibers                                              | 247       | n/a.                         |

Share of Chemistry in relation  
to whole industry in the region 15.3%

## II.2 Research capacities

Number of universities, technical  
colleges, universities of applied science: 38

Number of universities, technical  
colleges, universities of applied science  
with chemical department: 17

Technology related institutions: The universities/technical colleges comprise all fields of chemical scientific activities. In addition there are 2 Max Planck-Institutes and the Institute for Analytical Sciences-ISAS, Dortmund

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: VCI  
Homepage: [nrwchemie.de](http://nrwchemie.de)  
e-Mail: [info@nrwchemie.de](mailto:info@nrwchemie.de)

Name of Organisation: ChemCologne  
Homepage: [chemcologne.de](http://chemcologne.de)  
e-Mail: [info@chemcologne.de](mailto:info@chemcologne.de)

Name of Organisation: Chemsite  
Homepage: [chemsite.de](http://chemsite.de)  
e-Mail: [anja.ollesch@chemsite.de](mailto:anja.ollesch@chemsite.de)

Name of Organisation: clib2021.de  
Homepage  
e-Mail info@clib2021.de

Name of Organisation: Cluster Chemie. NRW  
Homepage  
e-Mail info@nrwchemie.de

## **II.4 Main players (companies)**

Name of Company: Evonik Industries AG  
Homepage: www.evonik.de

Name of Company: Bayer Chemicals AG  
Homepage: www.bayerchemicals.com

Name of Company: Lanxess Deutschland GmbH  
Homepage: www.lanxess.com

Name of Company: ALTANA AG  
Homepage: www.altanachemie.com

Name of Company: Cognis GmbH  
Homepage: www.cognis.com

Name of Company: Henkel, AG & Co. KGaA  
Homepage: www.henkel.de



## Region: Rhineland-Palatinate (RLP)

Logo / Map of the Region:



## Responsible ECRN-Partner

Organisation: Ministry for Economic Affairs,  
 Transportation, Agriculture and Viniculture of the  
 State of Rhineland-Palatinate (MWVLW)  
 Address (Mail Box, Street) Stiftstrasse 9  
 Postcode, City D - 55116 Mainz  
 Country Germany  
 Telephone number 0049 - (0)6131 160  
 Fax number 0049 - (0)6131 162100  
 Homepage <http://www.mwvlw.rlp.de>

Type of Organisation:

- Ministry ☒  
 University or Educational institution ☐  
 Public Organisation (please specify) ☐  
 Private enterprise ☐  
 Other (please specify) ☐

Contact details for ECRN:

| Contact Details     | Team Member 1                                                                                                           | Team Member 2                                                                                                           | Team Member 3                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Surname, Name       | Schneider, Hans-Georg                                                                                                   | Dr. Kiesewetter, Ingeborg                                                                                               | Wendel, Sabine                                                                                                          |
| Institution/Company | Ministry for Economic Affairs, Transportation, Agriculture and Viniculture of the State of Rhineland-Palatinate (MWVLW) | Ministry for Economic Affairs, Transportation, Agriculture and Viniculture of the State of Rhineland-Palatinate (MWVLW) | Ministry for Economic Affairs, Transportation, Agriculture and Viniculture of the State of Rhineland-Palatinate (MWVLW) |
| eMail               | hans-georg.schneider@mwwlw.rlp.de                                                                                       | ingeborg.kiesewetter@mwwlw.rlp.de                                                                                       | sabine.wendel@mwwlw.rlp.de                                                                                              |
| Internet            | www.mwwlw.rlp.de                                                                                                        | www.mwwlw.rlp.de                                                                                                        | www.mwwlw.rlp.de                                                                                                        |
| Telephone Number    | 0049 - (0)6131162243                                                                                                    | 0049 - (0)6131162233                                                                                                    | 0049 - (0)6131162160                                                                                                    |
| Fax Number          | 0049 - (0)613116172243                                                                                                  | 0049 - (0)613116172233                                                                                                  | 0049 - (0)613116172160                                                                                                  |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 4,028,351 inhabitants                                                                                                                                                                                                                                                                                                                                         |
| Area                         | 19,853 km <sup>2</sup>                                                                                                                                                                                                                                                                                                                                        |
| Population density           | 203 inhabitants per km <sup>2</sup>                                                                                                                                                                                                                                                                                                                           |
| Gross Domestic Product (GDP) | 107.5 billion EUR                                                                                                                                                                                                                                                                                                                                             |
| Main sectors                 | chemical industry (55,023 employees, 25.1 billion EUR); automotive industry (31,793 employees, 13.7 billion EUR); metal production and processing (40,827 employees, 9.8 billion EUR); mechanical engineering (38,844 employees, 8.3 billion EUR); food processing (25,269 employees, 7.5 billion EUR); plastics industry (23,587 employees, 5.1 billion EUR) |
| Export rate                  | 47.9%                                                                                                                                                                                                                                                                                                                                                         |

**II. Chemical Industry in the Region****II.1 Statistics 2008 (companies of 50 employees and more)**

|                              |        |
|------------------------------|--------|
| Number of companies in total | 96     |
| Number of employees          | 55,023 |
| Export rate                  | 63.4%  |



|                                                                |                                                                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Sector structure                                               | basic chemicals (79%), pharmaceuticals (13%), detergents and performance products (4%), other chemicals (4%) |
| Share of Chemistry in relation to whole industry in the region | 19% of all employees; 30% of the turnover                                                                    |

## II.2 Research capacities

|                                                                                                       |                                               |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Number of universities, technical colleges, universities of applied science:                          | 25                                            |
| Number of universities, technical colleges, universities of applied science with chemical department: | 7                                             |
| Technology related institutions:                                                                      | 21 technology centres; 17 research institutes |

## II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| Name of Organisation: | Verband der Chemischen Industrie e.V. (VCI) - Landesverband Rheinland-Pfalz                                        |
| Homepage              | <a href="http://www.vci.de">http://www.vci.de</a><br><a href="http://www.chemie-rp.de">http://www.chemie-rp.de</a> |
| e-Mail                | <a href="mailto:hubert.lendle@lv-rp.vci.de">hubert.lendle@lv-rp.vci.de</a>                                         |
| Name of Organisation: | Arbeitgeberverband Chemie Rheinland-Pfalz e.V.                                                                     |
| Homepage              | <a href="http://www.chemie-rp.de">http://www.chemie-rp.de</a>                                                      |
| e-Mail                | <a href="mailto:reimer.wittenberg@lv-rp.vci.de">reimer.wittenberg@lv-rp.vci.de</a>                                 |
| Name of Organisation: | chem2biz - Public-Private Partnership                                                                              |
| Homepage              | <a href="http://www.chem2biz.de">www.chem2biz.de</a>                                                               |
| e-Mail                | <a href="mailto:michael.hanf@tz-lu.de">michael.hanf@tz-lu.de</a>                                                   |

## II.4 Main players (companies)

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| Name of Company: | BASF SE (96,924 employees; 62.3 billion EUR turnover)              |
| Homepage:        | <a href="http://www.corporate.basf.com">www.corporate.basf.com</a> |
| Name of Company: | Abbott Laboratories (68,838 employees; \$25.5 billion sales)       |
| Homepage:        | <a href="http://www.abbott.com">www.abbott.com</a>                 |

Name of Company:

Boehringer Ingelheim (41,300 employees; 11.6 billion EUR turnover)

Homepage:

[www.boehringer-ingelheim.de](http://www.boehringer-ingelheim.de)



## Region: Saxony-Anhalt

Logo / Map of the Region:



# SACHSEN-ANHALT



## Responsible ECRN-Partner

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| Organisation:              | Ministry for Economics and Labour of the State of Saxony-Anhalt        |
| Address (Mail Box, Street) | Hasselbachstraße 4                                                     |
| Postcode, City             | D-39104 Magdeburg                                                      |
| Country                    | Germany                                                                |
| Telephone number           | 0049 – (0)391567 – 01                                                  |
| Fax number                 | 0049 – (0)391567 – 4722                                                |
| Homepage                   | <a href="http://www.mw.sachsen-anhalt.de">www.mw.sachsen-anhalt.de</a> |

Type of Organisation:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                                    | Team Member 2                                       |
|---------------------|--------------------------------------------------|-----------------------------------------------------|
| Surname, Name       | Gutowsky, Catrin                                 | Wobben, Thomas                                      |
| Institution/Company | Ministry for Economy and Labour of Saxony-Anhalt | Representation of Saxony-Anhalt to the EU, Brussels |
| eMail               | catrin.gutowsky@mw.sachsen-anhalt.de             | thomas.wobben@lv-bruessel.stk.sachsen-anhalt.de     |
| Internet            | www.mw.sachsen-anhalt.de                         | www.sachsen-anhalt.de                               |
| Telephone Number    | 0049 – (0)391 - 5674452                          | 0032 - (0)2 - 7410930                               |
| Fax Number          | 0049 - (0)391 - 5674722                          | 0032 - (0)2 - 7470939                               |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 2,384,643 inhabitants (2009)                                                                                                    |
| Area                         | 20,447 km <sup>2</sup>                                                                                                          |
| Population density           | 116.63 inhabitants per km <sup>2</sup>                                                                                          |
| Gross Domestic Product (GDP) | 53.8 billion EUR (2009)                                                                                                         |
| Main sectors                 | Chemical industry, plastic and rubber, food industry, metal production and processing, mechanical engineering, glass production |
| Export                       | 12.81 billion EUR (2009)                                                                                                        |
| Import                       | 11.8 billion EUR (2009)                                                                                                         |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                                                     |
|------------------------------|---------------------------------------------------------------------|
| Number of companies in total | 67 (more than 20 employees)                                         |
| Number of employees          | 14,839 (2008)                                                       |
| Export rate                  | 43.3 % (2008)                                                       |
| Turnover                     | 6.405 billion EUR (2008)                                            |
| Sector structure             | basic chemicals (64%), pharmaceuticals (16%), other chemicals (20%) |

Share of Chemistry in relation  
to whole industry in the region 17.7% of turnover (2007)

## II.2 Research capacities

Number of universities/ technical  
Colleges/ universities of applied science: 7

Number of universities/ technical colleges/  
universities of applied science with chemical department: 4

Technology: 4 technology centres and 17 research institutes

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Arbeitgeberverband Nordostchemie e.V. (AGV)  
Verband der Chemischen Industrie e.V. (VCI),  
Landesverband Nordost

Homepage [www.nordostchemie.de](http://www.nordostchemie.de)

e-Mail [post@lv-no.vci.de](mailto:post@lv-no.vci.de)

Name of Organisation: CeChemNet – “Central European Chemical Network”  
(Cooperation of chemical sites in the Central German Chemical  
Triangle)

Homepage [www.cechemnet.de](http://www.cechemnet.de)

e-Mail [fiene.grieger@cechemnet.de](mailto:fiene.grieger@cechemnet.de)

- Other Initiatives related to the chemical sector:
- Saxony-Anhalt works closely together with its neighbouring regions Thuringia, Saxony and Brandenburg representing “Central Germany”: Future Cluster Chemical / Plastics in Central Germany – Wirtschaftsinitiative für Mitteldeutschland GmbH, [www.cluster-chemie-kunststoffe.de](http://www.cluster-chemie-kunststoffe.de) ; [www.mitteldeutschland.com](http://www.mitteldeutschland.com)
- Fördergemeinschaft für Polymerentwicklung und Kunststofftechnik in Sachsen-Anhalt / Mitteldeutschland POLYKUM e.V. – Association for polymer development and plastic techniques in Saxony-Anhalt / Central Germany, [www.polykum.de](http://www.polykum.de)
- Netzwerk Pipeline- und Anlagenbau in Mitteldeutschland – network of the companies of pipeline construction equipment and construction companies in Central Germany, [www.pipeline-anlagenbau.de](http://www.pipeline-anlagenbau.de)
- Research Project – Innovative Regional Growth Pole “Reactive Wet Coating”, Bitterfeld-Wolfen, [www.tig-ev.de/wachstums-kern.htm](http://www.tig-ev.de/wachstums-kern.htm)

- 4chiral – Netzwerk für Forschung, Produktion und Marketing chiraler Verbindungen – network for research, production and marketing of chiral bonds, Bitterfeld-Wolfen, [www.4chiral.de](http://www.4chiral.de)
- CPI ChemiePark Institute for Lead Industrial Research Bitterfeld-Wolfen, [www.cpi-bitterfeld.de](http://www.cpi-bitterfeld.de)
- Fraunhofer Pilot Plant Center for Polymer Synthesis and Processing Schkopau, [www.polymer-pilotanlagen.de](http://www.polymer-pilotanlagen.de)

## II.4 Main players (companies)

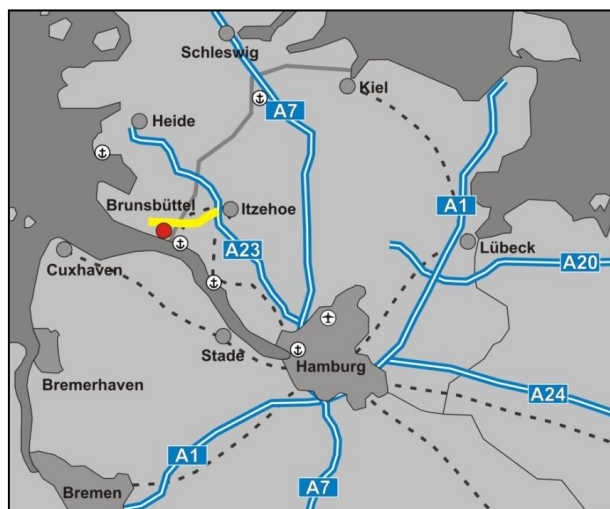
- Dow Olefinverbund GmbH, Schkopau: turnover 955 million € (2008), 2,300 employees (2009), [www.dow.com/facilities/europe/germany](http://www.dow.com/facilities/europe/germany)
- Salutas Pharma GmbH, Barleben: turnover 902 million € (2008), 1,388 employees (2008), [www.salutas.de](http://www.salutas.de)
- Bayer Bitterfeld GmbH, Greppin: turnover 580 million € (2007), 504 (2009) employees, [www.bitterfeld.bayer.de](http://www.bitterfeld.bayer.de)
- Domo Caproleuna GmbH, Leuna: turnover 587 million € (2007), 461 employees (2007), [www.domogroup.com](http://www.domogroup.com)
- SKW Stickstoffwerke Piesteritz GmbH, Lutherstadt Wittenberg: turnover 472.6 million € (2007), 722 (2007) employees, [www.skwp.de](http://www.skwp.de)
- Radici Chimica Deutschland GmbH, Tröglitz: turnover 130.1 million € (2007), 227 (2009) employees, [www.radicigroup.com/chemicals](http://www.radicigroup.com/chemicals)
- Total Raffinerie Mitteldeutschland GmbH, Spergau: turnover 5394 million € (2007), 651 employees (2007), <http://www.total.de>



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## Region: Schleswig-Holstein

Logo / Map of the Region:



Landesregierung  
Schleswig-Holstein



**ChemCoast Park**  
**BRUNSBÜTTEL**  
EIN PROJEKT DER  
EGEB: WIRTSCHAFTSFÖRDERUNG

## Responsible ECRN-Partner

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Organisation:              | ChemCoast Park Brunsbüttel<br>c/o egeb:Wirtschaftsförderung                                                                     |
| Address (Mail Box, Street) | Elbehafen                                                                                                                       |
| Postcode, City             | 22541 Brunsbüttel                                                                                                               |
| Country                    | Germany                                                                                                                         |
| Telephone number           | 0049 - (0)4852 - 838419                                                                                                         |
| Fax number                 | 0049 - (0)4852 - 838430                                                                                                         |
| Homepage                   | <a href="http://www.chemcoast.de/brunsbuettel">www.chemcoast.de/brunsbuettel</a> / <a href="http://www.egeb.de">www.egeb.de</a> |

Type of Organisation:

|                                       |                                                                              |
|---------------------------------------|------------------------------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                                                     |
| University or Educational institution | <input type="checkbox"/>                                                     |
| Public Organisation (please specify)  | <input checked="" type="checkbox"/> public business development organisation |
| Private enterprise                    | <input type="checkbox"/>                                                     |
| Other (please specify)                | <input type="checkbox"/>                                                     |

Contact details for ECRN:

| Contact Details     | Team Member 1             | Team Member 2             | Team Member 3             |
|---------------------|---------------------------|---------------------------|---------------------------|
| Surname, Name       | Wrede, Jens               | Ziedorn, Volker           | Dethlefs, Julia           |
| Institution/Company | egeb:Wirtschaftsförderung | egeb:Wirtschaftsförderung | egeb:Wirtschaftsförderung |
| eMail               | wrede@egeb.de             | ziedorn@egeb.de           | dethlefs@egeb.de          |
| Internet            | www.egeb.de               | www.egeb.de               | www.egeb.de               |
| Telephone Number    | 0049 - (0) 4852838419     | 0049 - (0) 4852838415     | 0049 (0) 4852838414       |
| Fax Number          | 0049 - (0) 4852838430     | 0049 - (0) 4852838430     | 0049 (0) 4852838430       |

## Regional Economics and Chemistry

### I. Regional Economics (in general) 2009

|                              |                                                                       |
|------------------------------|-----------------------------------------------------------------------|
| Population                   | 2.83 million inhabitants                                              |
| Area                         | 1.58 million ha                                                       |
| Population density           | 1.8 inhabitants per ha                                                |
| Gross Domestic Product (GDP) | approx. 73.4 billion EUR (25,936 EUR/cap.)                            |
| Main sectors                 | Base Chemicals, Energy Production, Oil Processing, Logistics, Tourism |
| Export- and Import rate      | 20.4% (Ex), 23.2% (Im)                                                |

### II. Chemical Industry in the Region

#### II.1 Statistics

|                                                                |                                                                 |
|----------------------------------------------------------------|-----------------------------------------------------------------|
| Number of companies in total                                   | 46                                                              |
| Number of employees                                            | 5,403                                                           |
| Export rate                                                    | 56.2%                                                           |
| Sector structure                                               | heterogeneous mix of chemical / energy production and logistics |
| Share of Chemistry in relation to whole industry in the region | 8%                                                              |



## II.2 Research capacities

Number of universities / technical colleges / universities of applied science: 6

Number of universities / technical colleges / universities of applied science with chemical department: 4

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Landesamt für Landwirtschaft, Umwelt und ländliche Räume (authorising body)  
 Homepage <http://www.schleswig-holstein.de/LLUR>  
 e-Mail [poststelle@llur.landsh.de](mailto:poststelle@llur.landsh.de)

Name of Organisation: Ministerium für Wissenschaft, Wirtschaft und Verkehr (coordination of the Schleswig-Holstein chemical cluster)  
 Homepage <http://www.schleswig-holstein.de/MWV>  
 e-Mail [mwvinternet@wimi.landsh.de](mailto:mwvinternet@wimi.landsh.de)

Name of Organisation: VCI Nord – Verband der Chemischen Industrie e.V. Landesverband Nord (chemical association of Northern Germany)  
 Homepage <http://www.vci-nord.de>  
 e-Mail [info@lv-nord.vci.de](mailto:info@lv-nord.vci.de)

## II.4 Main players (companies)

Name of Company: Bayer Material Science  
 Homepage: [www.brunsbuettel.bayer.de](http://www.brunsbuettel.bayer.de)

Name of Company: Sasol Germany  
 Homepage: [www.sasol.com](http://www.sasol.com)

Name of Company: Yara  
 Homepage: <http://www.yara.com>

Name of Company: Shell (Refinery Hemmingstedt)  
 Homepage: [www.shell.com](http://www.shell.com)



# ITALY

## Region: Lombardy

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| Organisation:              | REGIONE LOMBARDIA, University and Research Unit, Presidency            |
| Address (Mail Box, Street) | Via F. Filzi, 22                                                       |
| Postcode, City             | 20124 Milano                                                           |
| Country                    | Italy                                                                  |
| Telephone number           | 0039 - 02 - 67656818                                                   |
| Fax number                 | 0039 - 02 - 67656882                                                   |
| Homepage                   | <a href="http://www.regione.lombardia.it">www.regione.lombardia.it</a> |

## Type of Organisation:

- Ministry ☐
- University or Educational institution ☐
- Public Organisation (please specify) ☒ Regional Government
- Private enterprise ☐
- Other (please specify) ☐

Contact details for ECRN:

| Contact Details      | Team Member 1<br>Political Representative | Team Member 2                               | Team Member 3                          | Team Member 4                            | Team Member 5                             |
|----------------------|-------------------------------------------|---------------------------------------------|----------------------------------------|------------------------------------------|-------------------------------------------|
| Surname, Name        | Cavalli, Alberto                          | De Crinito, Armando                         | Rundo, Carmela                         | Chiappa, Barbara                         | Ciulli, Folco                             |
| Institution/ Company | Regione Lombardia                         | Regione Lombardia                           | Regione Lombardia                      | Regione Lombardia                        | Regione Lombardia<br>Delegation to the EU |
| eMail                | alberto_cavalli@<br>regione.lombardia.it  | armando_de_crinito@<br>regione.lombardia.it | carmela_rundo@<br>regione.lombardia.it | barbara_chiappa@<br>regione.lombardia.it | folco_ciulli@<br>regione.lombardia.it     |
| Internet             | www.<br>regione.lombardia.it              | www.<br>regione.lombardia.it                | www.<br>regione.lombardia.it           | www.<br>regione.lombardia.it             | www.<br>regione.lombardia.it              |
| Phone Number         | 0039 – 02 6765.2220                       | 0039 – 02 6765.6818                         | 0039 – 02 6765.5513                    | 0039 – 02 6765.2745                      | 0032 - 25187600                           |
| Fax Number           | 0039 – 02 6765.6837                       | 0039 – 02 6765.6882                         | 0039 – 02 6765.6882                    | 0039 – 02 6765.6882                      | 0032 - 25187626                           |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 9,545,441 inhabitants                                                                                                           |
| Area                         | 23,863 km <sup>2</sup>                                                                                                          |
| Population density           | 399.7 inhabitants per km <sup>2</sup>                                                                                           |
| Gross Domestic Product (GDP) | 261 billion EUR (20.08% of Italian GDP)                                                                                         |
| Main sectors                 | Industry (mechanical, chemicals, steel, food, rubber, timber, paper, etc.), Services (financial, banking, IT&C, advisory, etc.) |
| Export:                      | 75 billion EUR                                                                                                                  |
| Import:                      | 95 billion EUR                                                                                                                  |

## II. Chemical Industry in the Region

### II.1 Statistics

|                              |        |
|------------------------------|--------|
| Number of companies in total | 2,522  |
| Number of employees          | 91,305 |

### II.2 Research capacities

|                                                                                                       |                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of universities, technical colleges, universities of applied science:                          | 12 universities and 1 institute for advanced studies                                                                                                                                                                                                     |
| Number of universities, technical colleges, universities of applied science with chemical department: | about 6                                                                                                                                                                                                                                                  |
| Technology related institutions (chemical sector):                                                    | 86 (30 university departments/centers, 16 R&D societies, 12 EPR, 8 university consortia, 2 non-university consortia, 5 cooperative societies, 1 university foundation, 1 special agency of the chamber of commerce, 1 research centre, 5 other entities) |

### II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                                |
|-----------------------|--------------------------------------------------------------------------------|
| Name of Organisation: | Federchimica                                                                   |
| Homepage              | <a href="http://www.federchimica.it">www.federchimica.it</a>                   |
| e-Mail                | <a href="mailto:federchimica@federchimica.it">federchimica@federchimica.it</a> |

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Name of Organisation: | CNR Istituto di Scienze e Tecnologie Molecolari (ISTM)           |
| Homepage              | <a href="http://www.istm.cnr.it">http://www.istm.cnr.it</a>      |
| e-Mail                | <a href="mailto:direttore@istm.cnr.it">direttore@istm.cnr.it</a> |

## II.4 Main players (companies)

Very dynamic Italian companies having a strong presence in Lombardia are for example:

- Polimeri Europa ([www.polimerieuropa.com](http://www.polimerieuropa.com)), worldwide sales 5,417 million EUR
- Mapei ([www.mapei.it](http://www.mapei.it)), worldwide sales 935 million EUR
- Gruppo Bracco ([www.bracco.com](http://www.bracco.com)), worldwide sales 747 million EUR (excluding pharmaceuticals)
- Gruppo C.O.I.M., worldwide sales 350 million EUR
- Lamberti ([www.lamberti.com](http://www.lamberti.com)), worldwide sales 300 million EUR
- Gruppo Sol ([www.sol.it](http://www.sol.it)), worldwide sales 346 million EUR

Moreover, important multinational companies (i.e. Bayer, Aventis, Sanofi, Roche, Rhodia, Solvay, BASF, AstraZeneca, etc.) have established in Lombardia their headquarters and production plants.



## Region: Piemonte & Novara

Logo / Map of the Region:



## Responsible ECRN-Partner

Organisation:

Address (Mail Box, Street)

Postcode, City

Country

Telephone number

Fax number

Provincia di Novara

Piazza Matteotti, 1

28100 NOVARA

Italia

0039 – (0)321 – 3781

0039 – (0)321 – 37836087

Type of Organisation:

Ministry

☐

University or Educational institution

☐

Public Organisation (please specify)

☒ Public Administration

Private enterprise

☐

Other (please specify)

☐

Contact details for ECRN:

| Contact Details     | Team Member 1                 |
|---------------------|-------------------------------|
| Surname, Name       | Brustia, Silvano              |
| Institution/Company | Provincia di Novara           |
| eMail               | s.brustia@provincia.novara.it |
| Internet            | www.provincia.novara.it       |
| Telephone Number    | 0039 – 0321378875             |
| Fax Number          | 0039 – 0321378873             |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

Population (at 31/12/2008) 366,479 inhabitants (M = 177,979; F = 188,500)

(ISTAT data :

<http://demo.istat.it/bil2008/index.html>)

Area 1,338.79 km<sup>2</sup>

Population density (at 31/12/2008) 274 inhabitants per km<sup>2</sup>

**Gross Domestic Product (GDP)**

Data at 31/12/2007 28,484.66 million EUR

Data at 31/12/2006 Agriculture 1.5%, Industry 33.7% Services 64.8%

(6 Giornata dell' Economia – Rapporto 2008

CCIAA di Novara, 9 maggio 2008)

Main sectors in 2007 Agriculture employment = 4,000 units (3%)

(Piemonte in Cifre 2009) Industry employment = 57,000 units (36%)

Others Services employment = 95,000 units (61%)

Import in 2007 (Piemonte in Cifre 2009) 2,998.92 million EUR

Export in 2007 (Piemonte in Cifre 2009) 4,110.58 million EUR



## II. Chemical Industry in the Region

### II.1 Statistics (at 31/12/2008 Chamber of commerce and Industry of Novara data)

Number of companies in total      Provincia di Novara 243  
(Chamber of commerce and  
Industry of Novara data base –  
ATECO 2007 Cod. 19-20-21-22-23-24)

Number of employees      Provincia di Novara 6,134  
(2006 SMAIL CCIAA Novara Data)

Export rate (2009)      13%  
(share calculated on the total of Italian chemistry)  
(Istat, Statistiche commercio estero)

Import/Export Provincia di Novara  
rate (chemical sector)      Import = 30.0%, Export = 30.1%

Sector structure      base chemistry 11%, gum resin and plastic materials 53%,  
petrochemical 5%, pharmaceuticals 5%, fine chemistry and fibres  
3%, adhesives, synthetic dyes, others 23%

Share of Chemistry in relation  
to whole industry in the region      27%  
(provincial area)

### II.2 Research capacities

Number of universities/ technical  
Colleges/ universities of applied science:      Provincia di Novara: N. 1 - Università degli Studi del  
Piemonte Orientale A. Avogadro (East Piedmont  
University "A. Avogadro")

Number of universities/ technical colleges/  
universities of applied science  
with chemical department:      Provincia di Novara: Provincia di Novara: N. 1 –  
Università degli Studi del Piemonte Orientale A.  
Avogadro (East Piedmont University "A. Avogadro")

Technology:      Istituto Donegani

Via Giacomo Fauser 36/a – 28100 Novara – Tel +39  
0321 677411 (the other research centres are not  
independent from companies)

### II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: CONSORZIO IBIS  
Homepage [www.regione.piemonte.it/cms/piemonte-informa/diario/archivio/2009/luglio/la-chimica-pi-compatibile-con-l-ambiente.html](http://www.regione.piemonte.it/cms/piemonte-informa/diario/archivio/2009/luglio/la-chimica-pi-compatibile-con-l-ambiente.html)

e-Mail

Name of Organisation: FONDAZIONE NOVARA SVILUPPO  
Homepage [www.novarasviluppo.it](http://www.novarasviluppo.it)  
e-Mail [info@novarasviluppo.it](mailto:info@novarasviluppo.it)

Name of Organisation: Incubatore di Impresa del Polo di Innovazione di Novara scarl  
Homepage  
e-Mail [tto@unipmn.it](mailto:tto@unipmn.it)

Name of Organisation: CLUB DONEGANI  
Homepage [www.clubdonegani.it](http://www.clubdonegani.it)  
e-Mail

Name of Organisation: ITIS OMAR  
Homepage [www.itiomar.it](http://www.itiomar.it)  
e-Mail [omar@itiomar.net](mailto:omar@itiomar.net)

Name of Organisation: FACOLTA DI SCIENZE MATEMATICHE FISICHE E NATURALI  
UNIVERSITA' DEL PIEMONTE ORIENTALE A. AVOGADRO  
Homepage [www.pharm.unipmn.it](http://www.pharm.unipmn.it)  
e-Mail [preside.pharm@unipmn.it](mailto:preside.pharm@unipmn.it)

Name of Organisation: FACOLTA' DI CHIMICA E TECNOLOGIE FARMACEUTICHE  
Homepage [www.mfn.unipmn.it](http://www.mfn.unipmn.it)  
e-Mail [ufficio.presidenza.mfn@unipmn.it](mailto:ufficio.presidenza.mfn@unipmn.it)

Name of Organisation: ITIS LEONARDO DA VINCI (Borgomanero – NO)  
Homepage <http://www.fausernet.novara.it/~itisleon>  
e-Mail [itisleon@tin.it](mailto:itisleon@tin.it)

]

## II.4 Main players (companies)

Name of Company: NOVAMONT SPA – Via Giacomo Fauser, 8 – 28100 Novara  
 Tel.: +39 0321 6996.11; Fax: +39 0321 6996.00/11  
 e-mail: info@novamont.com  
 Homepage: www.novamont.com

Name of Company: ISAGRO RICERCA S.r.l. – Via Giacomo Fauser, 4 -  
 28100 Novara  
 Tel.: +39 0321 693601; Fax: +39 0321 693887  
 e-mail: isagro@isagro.it  
 Homepage: www.isagro.com

Name of Company: RADICI CHIMICA SPA – Via Giacomo Fauser, 50 – 28100 Novara  
 Tel.: +39 0321 693111  
 e-mail: info@radicichimicanovara.radicigroup.it  
 Homepage: www.radicichimica.com

Name of Company: POLIOLI S.p.A. – via Emilia, 85 – 20093 Cologno monzese (MI)  
 Tel.: +39 02 25191 – Fax: +39 02 251940  
 e-mail: info.polioli@gruppofar.com  
 Homepage: www.gruppofar.com

Name of Company: M&G S.p.A. – Località Ribocca – 15057 Tortona (AL)  
 Tel.: +39 0131 8101 – Fax: +39 0131 811759  
 e-mail: guido.ghisolfi@gruppomg.com  
 Homepage: www.gruppomg.com

Name of Company: MIRATO S.P.A. – Strada Provinciale Est Sesia – 28060  
 Landiona (NO)  
 Tel.: +39 0321 827711 – Fax: +39 0321 1828273  
 e-mail: info@mirato.it  
 Homepage: www.mirato.it

Name of Company: SARPOM – Via Viegevano 43 – 28069 S. Martino di Trecate (NO)

Tel.: +39 0321 795246 – Fax: +39 0321 795270

e-mail: marco.cerriotti@exxonmobil.com

Homepage: [http://www.esso.com/Italy-Italian/PA/Operations/IT\\_Refining\\_Trecate.asp](http://www.esso.com/Italy-Italian/PA/Operations/IT_Refining_Trecate.asp)

Name of Company: MEMC Electronic Materials S.p.A. – Via le Gherzi 31 – 28100 Novara

Tel.: +39 0321 334296 – Fax: +39 0321 334276

e-mail: g.gattere@memc.it

Homepage: [www.memc.com](http://www.memc.com)

# NETHERLANDS

## Region: Limburg

Logo / Map of the Region:

provincie limburg 



## Responsible ECRN-Partner

Organisation: Province of Limburg (Provincie Limburg)  
 Address (Mail Box, Street) Mail box 5700, Visitors: Limburglaan 1  
 Postcode, City 6202 MA Maastricht  
 Country Netherlands  
 Telephone number 0031 - (0)43 - 3899999  
 Homepage [www.limburg.nl](http://www.limburg.nl)

Type of Organisation:

Ministry ☐  
 University or Educational institution ☐  
 Public Organisation (please specify) ☒ Regional Government  
 Private enterprise ☐  
 Other (please specify) ☐

Contact details for ECRN:

| Contact Details     | Team Member 1          | Team Member 2       |
|---------------------|------------------------|---------------------|
| Surname, Name       | Plees, Dirk            | Hommels, Theo       |
| Institution/Company | Province of Limburg    | Liof                |
| e-Mail              | d.plees@prvlimburg.nl  | thommels@lioof.nl   |
| Telephone Number    | 0031 – 06– 52688202    | 0031 – (0)433280280 |
| Fax Number          | 0031 – (0)43 – 3897664 |                     |

## Regional Economics and Chemistry

### I. Regional Economics (in general)

|                              |                                                                  |
|------------------------------|------------------------------------------------------------------|
| Population                   | 1,123,705 (2008) inhabitants                                     |
| Area                         | 2.209 km <sup>2</sup>                                            |
| Population density           | 509 inhabitants per km <sup>2</sup>                              |
| Gross Domestic Product (GDP) | 29,249 EUR per inhabitant (2006, est.); growth 0.7% (2008, est.) |
| Main sectors                 | Industry<br>Commercial Services                                  |
| Export- and Import rate      | -                                                                |

### II. Chemical Industry in the Region

#### II.1 Statistics

|                                                                |                                                                                                                                                                                                        |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total                                   | Chemicals 96, Rubber and plastics 116 (2008)                                                                                                                                                           |
| Number of employees                                            | Chemicals 10,621, Rubber and plastics 4,168 (2008)                                                                                                                                                     |
| Export                                                         | 3,631 million EUR (1998)                                                                                                                                                                               |
| Export rate                                                    | 70% (export/total turnover in 2003)                                                                                                                                                                    |
| Sector structure                                               | Basic chemicals (58% of number of employees), Manufacture of rubber and plastic products (28% of NE), Engineering Plastics, Performance Materials, Special Products, Pharmaceuticals and Life Sciences |
| Share of Chemistry in relation to whole industry in the region | 17% of Industrial NE (14,789/84,999) in 2008                                                                                                                                                           |

#### II.2 Research capacities

|                                                                                                       |   |
|-------------------------------------------------------------------------------------------------------|---|
| Number of universities, technical colleges, universities of applied science:                          | 5 |
| Number of universities, technical colleges, universities of applied science with chemical department: | 2 |

Technology related institutions: 25  
(research institutes and technology centres)

### II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Industriebank LIOF NV  
Homepage [www.liof.nl](http://www.liof.nl)  
e-Mail [info@liof.nl](mailto:info@liof.nl)

Name of Organisation: Chemelot BV  
Homepage [www.dsm.com/chemelot](http://www.dsm.com/chemelot)  
e-Mail [info.chemelot@dsm.com](mailto:info.chemelot@dsm.com)

### II.4 Main players (companies)

- DSM ([www.dsm.com](http://www.dsm.com))
- SABIC ([www.sabic.com](http://www.sabic.com))
- Trespac ([www.trespac.com](http://www.trespac.com))
- Ciba Specialty Chemicals bv ([www.cibasc.com](http://www.cibasc.com))
- Ineos Silicas Netherlands bv ([www.ineossilicas.com](http://www.ineossilicas.com))
- Vinamul Polymers ([www.vinamulpolymers.com](http://www.vinamulpolymers.com))



# SPAIN

## Region: Asturias

Logo / Map of the Region:



## Responsible ECRN-Partner

Organisation:



IDEPA, Instituto de Desarrollo Económico  
del Principado de Asturias  
(Agency for Economic Development of the  
Principality of Asturias)

Address (Mail Box, Street) Parque Tecnológico de Asturias  
Postcode, City 33420 Llanera - Asturias  
Country Spain  
Telephone number 0034 - 985980020  
Fax number 0034 - 985264455  
Homepage [www.idepa.es](http://www.idepa.es)

Type of Organisation:

- Ministry ☒ Ministry of Industry and Employment of Asturias  
Regional Government
- University or Educational institution ☐
- Public Organisation (please specify) ☐
- Private enterprise ☐
- Other (please specify) ☐



Contact details for ECRN:

| Contact Details     | Team Member 1    | Team Member 2    | Team Member 3    |
|---------------------|------------------|------------------|------------------|
| Surname, Name       | Fernández, Jaime | Palacio, Paz     | López, Marta     |
| Institution/Company | IDEPA            | IDEPA            | IDEPA            |
| eMail               | jaime@idepa.es   | paz@idepa.es     | martalg@idepa.es |
| Internet            | www.idepa.es     | www.idepa.es     | www.idepa.es     |
| Telephone Number    | 0034 - 985980020 | 0034 - 985980020 | 0034 - 985980020 |
| Fax Number          | 0034 - 985264455 | 0034 - 985264455 | 0034 - 985264455 |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 1,080,138 (2008) inhabitants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Area                         | 10,564 km <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Population density           | 101.86 inhabitants per km <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gross Domestic Product (GDP) | 23,876.516 million EUR (2008)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Main sectors                 | Historically, economic activity in Asturias has been concentrated in four main sectors: steel, mining, shipbuilding and agriculture. The balance is shifting and over the past few years Asturias has implemented a policy of reindustrialisation that has introduced a high level of diversity and modernization. Services as advanced engineering or software development, and industries such as environmental equipment or new materials are growing fast in Asturias. Right now, however, the sector most rapidly expanding in Asturias is chemicals. |
| Export- and Import rate      | 66.58% (2008)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total | 106 (2007)                                                                                                                   |
| Number of employees          | 3,868 (2007)                                                                                                                 |
| Export rate                  | 17.5%                                                                                                                        |
| Sector structure             | The main products produced by the chemical sector are carbon-based chemicals, fertilizers, pharmaceutical products, cosmetic |

and paper. In addition, DuPont manufactures other specialized products, such as synthetic fibres

Share of Chemistry in relation  
to whole industry in the region

2.43% of total companies (2007)

6.18% of total employees (2007)

7.18% of the turnover (2007)

## II.2 Research capacities

Number of universities / technical  
colleges /universities of applied science: 1

Number of universities / technical  
colleges /universities of applied  
science with chemical department: 1

Technology: 10 public institutions (4 research institutes and 6 technology centres) and 3 private R&D centres

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: AIQPA  
Asociación de Industrias Químicas y de Procesos de Asturias  
(Association of Chemical and Process Industries of Asturias)

Homepage [www.aiqpa.com](http://www.aiqpa.com)

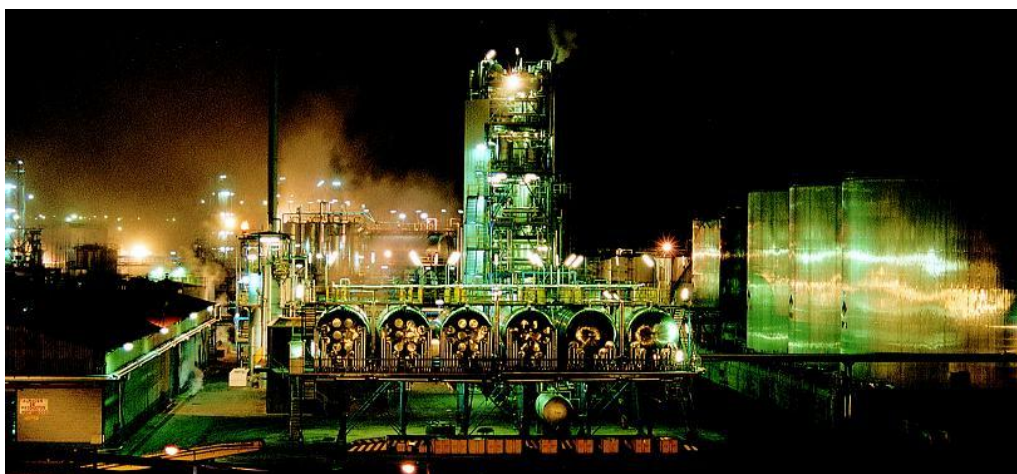
e-Mail [contacto@aiqpa.com](mailto:contacto@aiqpa.com)

Name of Organisation: Colegio Oficial de Químicos de Asturias y León. Asociación de Químicos de Asturias (Chemists College of Asturias and León; Chemists Association of Asturias)

Homepage [www.alquimicos.com](http://www.alquimicos.com)

## II.4 Main players (companies)

| Company                               | Homepage                                                           |
|---------------------------------------|--------------------------------------------------------------------|
| Du Pont Ibérica, S. L.                | <a href="http://www.dupont.com">www.dupont.com</a>                 |
| Linpac Plastics Pravia, S. A.         | <a href="http://www.linpac-plastics.es">www.linpac-plastics.es</a> |
| Celulosas de Asturias, S. A.          | <a href="http://www.ence.es">www.ence.es</a>                       |
| Industrial Química del Nalón, S. A.   | <a href="http://www.nalonchem.com">www.nalonchem.com</a>           |
| Mecanizaciones y Fabricaciones, S. A. | <a href="http://www.mefasa.com">www.mefasa.com</a>                 |
| Fertiberia, S. A.                     | <a href="http://www.fertiberia.es">www.fertiberia.es</a>           |
| Química Farmacéutica Bayer, S. A.     | <a href="http://www.bayer.es">www.bayer.es</a>                     |
| Asturpharma, S. A.                    | <a href="http://www.asturpharma.com">www.asturpharma.com</a>       |



## Region: Catalonia

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------------|
| Organisation:              | Secretariat for Industry and Enterprise. Ministry of Innovation, Universities and Enterprise |
| Address (Mail Box, Street) | Passeig de Gràcia 129                                                                        |
| Postcode, City             | E-08008 Barcelona                                                                            |
| Country                    | Spain                                                                                        |
| Telephone number           | 0034 – 934767200                                                                             |
| Fax number                 | 0034 – 934767282                                                                             |
| Homepage                   | <a href="http://www.gencat.net">www.gencat.net</a>                                           |

Type of Organisation:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Ministry                              | <input checked="" type="checkbox"/> |
| University or Educational institution | <input type="checkbox"/>            |
| Public Organisation (please specify)  | <input type="checkbox"/>            |
| Private enterprise                    | <input type="checkbox"/>            |
| Other (please specify)                | <input type="checkbox"/>            |

Contact details for ECRN:

| Contact Details     | Team Member 1                           | Team Member 2                           | Team Member 3                           |
|---------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Surname, Name       | Figuerola, Eduard                       | Carbonell, Jordi                        | Bel, Ramon                              |
| Institution/Company | Secretariat for Industry and Enterprise | Secretariat for Industry and Enterprise | Secretariat for Industry and Enterprise |
| eMail               | efiguerola@gencat.cat                   | jcarbonell@gencat.cat                   | ramon.bel@gencat.cat                    |
| Internet            | www.gencat.cat/diue                     | www.gencat.cat/diue                     | www.gencat.cat/diue                     |
| Telephone Number    | 0034 - 934767200                        | 0034 - 934767200                        | 0034 - 934767200                        |
| Fax Number          | 0034 - 934767282                        | 0034 - 934767282                        | 0034 - 934767282                        |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 7,363,202 (2009) inhabitants                                                                                                                                                                                                      |
| Area                         | 32,107 km <sup>2</sup>                                                                                                                                                                                                            |
| Population density           | 229 inhabitants per km <sup>2</sup>                                                                                                                                                                                               |
| Gross Domestic Product (GDP) | 219,923 million EUR (2008)                                                                                                                                                                                                        |
| Main sectors                 | Energy and water (7.8% of 2008 industrial GDP), non metallic mineral products (4.2), chemicals (18.9), metal and machinery (35.7), food and beverages (11.1), textile and leather (5.1), paper and publishing (10.2), other (7.0) |
| Export- and Import rate      | 50,314 million EUR export – 76,255 million EUR import (2008)                                                                                                                                                                      |

**II. Chemical Industry in the Region****II.1 Statistics**

|                                                                |                                                                                                                                  |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total                                   | 2,231 (2007)                                                                                                                     |
| Number of employees                                            | 57,741 (2008)                                                                                                                    |
| Export rate                                                    | 36.5% of turnover                                                                                                                |
| Sector structure                                               | Main activities include petrochemical, pharmacy, biotechnology, plastic transformation and manufacturing of final consumer goods |
| Share of Chemistry in relation to whole industry in the region | 20.3% of turnover                                                                                                                |

## II.2 Research capacities

Number of universities / technical colleges /universities of applied science: 12

Number of universities / technical colleges /universities of applied science with chemical department: 8

Technology: Chemical Engineering, Analytical Chemistry, Organic Chemistry, Pharmaceutical, Biotechnology, Environmental Chemistry and Materials science

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation: Fedequim (Federation of Catalan Chemical Industries)  
Homepage: [www.fedequim.com](http://www.fedequim.com)  
e-Mail:

Name of Organisation: AEQT (Association of Chemical Industries of Tarragona)  
Homepage: [www.aeqt.com](http://www.aeqt.com)  
e-Mail: [aeqt@aeqt.com](mailto:aeqt@aeqt.com)

## II.4 Main players (companies)

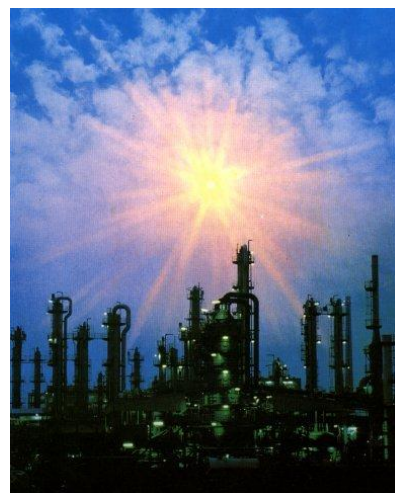
Main companies with headquarters located in Catalonia (Figures relate to overall operation in Spain)

- Bayer Iberia (5.414 million EUR turnover, 10,100 employees, [www.bayer.es](http://www.bayer.es))
- La Seda de Barcelona (1.488, 2,300, [www.laseda.es](http://www.laseda.es))
- Ercros (1.445, 3,000, [www.ercros.es](http://www.ercros.es))
- Novartis Farmaceutica (1.114, 2,000, [www.novartis.es](http://www.novartis.es))
- Sanofi-Aventis (1.092, 1,900 employees, [www.sanofi-aventis.es](http://www.sanofi-aventis.es))
- Puig (1.035, 3,800, [www.puig.com](http://www.puig.com))
- Unilever España (845, 650, [www.unilever.es](http://www.unilever.es))
- DuPont Iberica (638, 1,500, [www.dupont.com](http://www.dupont.com))
- BASF Española (605, 950, [www.basf.es](http://www.basf.es))
- Boehringer Ingelheim España (593, 1,700, [www.boehringer-ingelheim.es](http://www.boehringer-ingelheim.es))
- Laboratorios del Dr. Esteve (584, 1,600, [www.esteve.es](http://www.esteve.es))
- Basell Poliolefinas Iberica (536, 300, [www.lyondellbasell.com](http://www.lyondellbasell.com))

- Reckitt Benckiser España (447, 500, [www.reckitt.com](http://www.reckitt.com))

Other transnational companies such as Henkel and Solvay have their Spanish headquarters as well as production plants in Catalonia.

Main companies with production plants located in Catalonia but headquarters elsewhere include Repsol Química, Repsol Petroleo (50.000 million EUR turnover worldwide, [www.repsolypf.com](http://www.repsolypf.com)), Dow Chemical and Hoechst

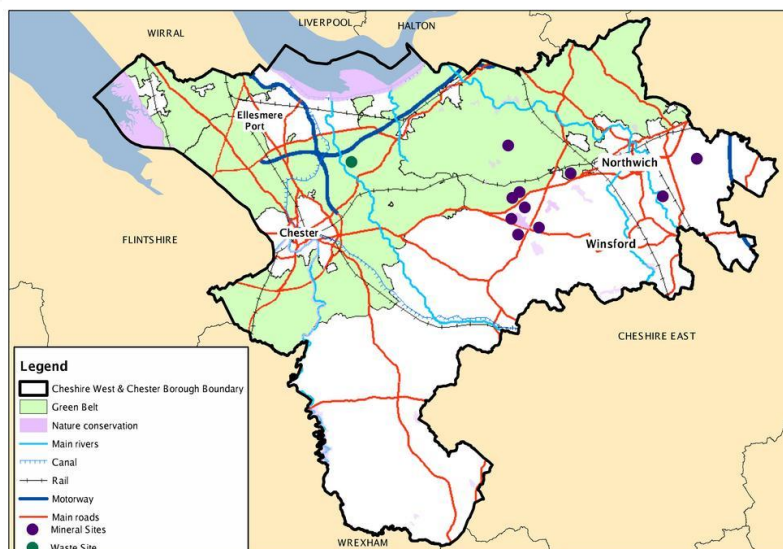




## UNITED KINGDOM

### Region: Cheshire West and Chester

Logo / Map of the Region:



### Responsible ECRN-Partner

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Organisation:              | Cheshire West and Chester Council                                                                 |
| Address (Mail Box, Street) | HQ – 58 Nicolas Street                                                                            |
| Postcode, City             | Chester, CH1 2NP                                                                                  |
| Country                    | United Kingdom                                                                                    |
| Telephone number           | +44 300 123 8 123                                                                                 |
| Homepage                   | <a href="http://www.cheshirewestandchester.gov.uk/">http://www.cheshirewestandchester.gov.uk/</a> |

Type of Organisation:

|                                       |                                                      |
|---------------------------------------|------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                             |
| University or Educational institution | <input type="checkbox"/>                             |
| Public Organisation (please specify)  | <input checked="" type="checkbox"/> Public Authority |
| Private enterprise                    | <input type="checkbox"/>                             |
| Other (please specify)                | <input type="checkbox"/>                             |



Contact details for ECRN:

| Contact Details     | Team Member 1                                                                                     | Team Member 2                                                                 | Team Member 3                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Surname, Name       | Lee, Francis<br>(contact for East and West)                                                       | Manley, Herbert                                                               | Hollender, Vince                                                              |
| Institution/Company | Cheshire West and Chester Council                                                                 | Cheshire West and Chester Council                                             | Cheshire West and Chester Council                                             |
| e-Mail              | francis.lee@cheshirewestandchester.gov.uk                                                         | herbert.manley@cheshirewestandchester.org.uk                                  | vince.hollender@cheshirewestandchester.gov.uk                                 |
| Internet            | <a href="http://www.cheshirewestandchester.gov.uk/">http://www.cheshirewestandchester.gov.uk/</a> | <a href="http://www.cheshireeast.gov.uk/">http://www.cheshireeast.gov.uk/</a> | <a href="http://www.cheshireeast.gov.uk/">http://www.cheshireeast.gov.uk/</a> |
| Telephone Number    | +44 1244 602263                                                                                   | +44 0300 1238123                                                              | +44 0151 356630                                                               |
| Fax Number          |                                                                                                   |                                                                               | +44 0151 356600                                                               |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                         |                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population              | 686,400 inhabitants (Cheshire East 327,500 and Cheshire West and Chester 358,900; source: Cheshire profiles 2009)                                                                  |
| Area                    | 2,083 km <sup>2</sup> (Cheshire East 917 km <sup>2</sup> and Cheshire West and Chester 1166 km <sup>2</sup> ; source: Cheshire profiles 2009)                                      |
| Population density      | 304 inhabitants per km <sup>2</sup>                                                                                                                                                |
| Gross Value Added (GVA) | 141.29 billion EUR GVA (2006) (10.1% of United Kingdom GVA which was 1,433.5 billion EUR)                                                                                          |
| Main sectors            | Chemicals (14.5 billion EUR), Aerospace, Biotechnology, Digital Industries, Environmental Technologies & Services (ETS), Food & Drink, Textiles, Financial & Professional Services |
| Exports                 | 24.5 billion EUR (2002)<br>Exports of region as % of UK exports: 9.0% (2002)                                                                                                       |
| Imports                 | 22.9 billion EUR (2002)<br>Imports of region as % of UK imports: 6.2% (2002)                                                                                                       |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |     |
|------------------------------|-----|
| Number of companies in total | 800 |
|------------------------------|-----|

|                                                                |                                                                                                                                                                                     |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of employees                                            | 160,000                                                                                                                                                                             |
| Export rate                                                    | 54% exports from region                                                                                                                                                             |
| Sector structure                                               | Downstream Chemical Manufacturing (33%), Base Chemical Manufacturing (19%), Analysis & Testing (8%), Technical Consulting (10%), Services (10%), Sales (17%), Pharmaceuticals (3%). |
| Share of Chemistry in relation to whole industry in the region | 10%                                                                                                                                                                                 |

## II.2 Research capacities

|                                                                                                       |    |
|-------------------------------------------------------------------------------------------------------|----|
| Number of universities, technical colleges, universities of applied science:                          | 19 |
| Number of universities, technical colleges, universities of applied science with chemical department: | 12 |
| Technology related institutions:                                                                      | 10 |

## II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Name of Organisation: | Chemicals Northwest                                                                        |
| Homepage              | <a href="http://www.chemicalsnorthwest.org.uk">www.chemicalsnorthwest.org.uk</a>           |
| e-Mail                | <a href="mailto:projects@chemicalsnorthwest.org.uk">projects@chemicalsnorthwest.org.uk</a> |

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Name of Organisation: | Northwest Regional Development Agency                              |
| Homepage              | <a href="http://www.nwda.co.uk">http://www.nwda.co.uk</a>          |
| E-Mail                | <a href="mailto:information@nwda.co.uk">information@nwda.co.uk</a> |

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Name of Organisation: | National Skills Academy                                                                    |
| Homepage              | <a href="http://www.process.nsacademy.co.uk">http://www.process.nsacademy.co.uk</a>        |
| E-Mail                | <a href="mailto:r.langford@process.nsacademy.co.uk">r.langford@process.nsacademy.co.uk</a> |

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| Name of Organisation: | Business Link North West                                                        |
| Homepage              | <a href="http://www.businesslinknw.gov.uk">http://www.businesslinknw.gov.uk</a> |
| E-Mail                | <a href="mailto:info@businesslinknw.co.uk">info@businesslinknw.co.uk</a>        |

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name of Organisation: | DICIDA                                                                                   |
| Homepage              | <a href="http://www.dicida-uk.org">http://www.dicida-uk.org</a>                          |
| E-Mail                | <a href="mailto:lynne.brear@teesvalley-jsu.gov.uk">lynne.brear@teesvalley-jsu.gov.uk</a> |

## II.4 Main players (companies)

Name of Company: AstraZeneca  
Homepage: <http://www.astrazeneca.co.uk>

Name of Company: Brunner Mond  
Homepage: <http://www.brunnermond.com>

Name of Company: Ineos ChlorVinyls  
Homepage: <http://www.ineoschlor.com>

Name of Company: Shell Chemicals (UK) Ltd  
Homepage: <http://www.shellchemicals.com>



## Region: Scotland

Logo / Map of the Region:



Chemical Sciences  
**SCOTLAND**

## Responsible ECRN-Partner

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| Organisation:              | Chemical Sciences Scotland                                                             |
| Address (Mail Box, Street) | Laurel Hill Business Park                                                              |
| Postcode, City             | Stirling                                                                               |
| Country                    | Scotland                                                                               |
| Telephone number           | 0044 – (0)1786 – 451919                                                                |
| Fax number                 | 0044 – (0)1786 – 478123                                                                |
| Homepage                   | <a href="http://www.chemicalsciencesscotland.com">www.chemicalsciencesscotland.com</a> |

Type of Organisation:

- |                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                                          |
| University or Educational institution | <input type="checkbox"/>                                          |
| Public Organisation (please specify)  | <input type="checkbox"/>                                          |
| Private enterprise                    | <input type="checkbox"/>                                          |
| Other (please specify)                | <input checked="" type="checkbox"/> The Scottish Chemicals Sector |

Contact details for ECRN:

| Contact Details     | Team Member 1               | Team Member 2                 | Team Member 3                 |
|---------------------|-----------------------------|-------------------------------|-------------------------------|
| Surname, Name       | Soutar, Fiona               | Strain, Caroline              | Hamilton, Lilian              |
| Institution/Company | Scottish Enterprise         | Scottish Enterprise           | Scottish Enterprise           |
| eMail               | fiona.soutar@scotent.co.uk  | caroline.strain@scotent.co.uk | lilian.hamilton@scotent.co.uk |
| Internet            | www.scottish-enterprise.com | www.scottish-enterprise.com   | www.scottish-enterprise.com   |
| Telephone Number    | 0044 – (0)1786 – 452049     | 0044 – (0)1786 – 452118       | 0044 – (0)1786 – 452015       |
| Fax Number          |                             |                               |                               |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 5,168,500 inhabitants                                                                                                                                                 |
| Area                         | 78,807 km <sup>2</sup> (30,427 sq mi)                                                                                                                                 |
| Population density           | 65 inhabitants per km <sup>2</sup> (169.8 per sq mi)                                                                                                                  |
| Gross Domestic Product (GDP) | £2,140 million                                                                                                                                                        |
| Main sectors                 | Energy, Food and Drink, Financial Services, Tourism, Chemical Sciences, Life Sciences, Textiles, Forestry, Construction and Enabling Technologies, Marine and Defence |
| Export and Import rate       | Food and Beverages £3.4 billion<br>Chemicals £3.5 billion<br>Wholesale, retail & accommodation 1.4 billion<br>Business Services 2.3 billion                           |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                         |
|------------------------------|-----------------------------------------|
| Number of companies in total | 150                                     |
| Number of employees          | 14,000 – 70,000 dependant on the sector |
| Export rate                  | £3.5 billion                            |

Sector structure

Basic, Pharmaceutical, Speciality and Fine Chemical sectors

## II.2 Research capacities

|                                                                                                       |                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of universities, technical colleges, universities of applied science:                          | 10                                                                                                                                                                                                                                                                                         |
| Number of universities, technical colleges, universities of applied science with chemical department: | 10                                                                                                                                                                                                                                                                                         |
| Technology related institutions:                                                                      | ScotCHEM (a major new collaborative venture for the pooling and enhancement of resources for chemistry research in Scotland, bringing together the major players in research in chemical sciences.) Visit <a href="http://www.scotchem.ac.uk">www.scotchem.ac.uk</a> for more information. |
| Materials chemistry:                                                                                  | University of Aberdeen, University of Edinburgh, Heriot Watt University and University of St Andrews                                                                                                                                                                                       |
| Synthesis:                                                                                            | University of Edinburgh, Heriot Watt University (especially medicinally important compounds) and University of St Andrews                                                                                                                                                                  |
| Process technologies and optimisation:                                                                | Robert Gordon University, University of Edinburgh                                                                                                                                                                                                                                          |
| Catalysis:                                                                                            | University of Aberdeen and University of Glasgow                                                                                                                                                                                                                                           |
| Environmental speciation and remediation:                                                             | University of Aberdeen                                                                                                                                                                                                                                                                     |
| Medicinal chemistry:                                                                                  | University of Aberdeen                                                                                                                                                                                                                                                                     |

## II.3 Private and public bodies (i. e. associations) involved into chemistry

|                       |                                                                              |
|-----------------------|------------------------------------------------------------------------------|
| Name of Organisation: | Scottish Enterprise                                                          |
| Homepage              | <a href="http://www.scottish-enterprise.com">www.scottish-enterprise.com</a> |
| e-Mail                | <a href="mailto:fiona.soutar@scotent.co.uk">fiona.soutar@scotent.co.uk</a>   |
| Name of Organisation: | Chemical Industry Association                                                |
| Homepage              | <a href="http://www.cia.org.uk">www.cia.org.uk</a>                           |
| e-Mail                | <a href="mailto:enquires@cia.org.uk">enquires@cia.org.uk</a>                 |

## II.4 Main players (companies)

|                  |       |
|------------------|-------|
| Name of Company: | INEOS |
| Homepage:        |       |

Name of Company: DuPont Teijin Films UK Limited  
Homepage:

Name of Company: GSK  
Homepage:

Name of Company: FUJI Film  
Homepage:

Name of Company: DSM Nutritional Products (UK) Ltd  
Homepage:

Name of Company: Polimeri Europa UK Ltd  
Homepage:

Name of Company: Rohm & Haas (Scotland) Ltd  
Homepage:

Name of Company: Dow  
Homepage:



## Region: Tees Valley

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| Organisation:              | Tees Valley Unlimited                                                              |
| Address (Mail Box, Street) | PO Box 199, Melrose House, Melrose Street                                          |
| Postcode, City             | Middlesbrough, TS1 2XF                                                             |
| Country                    | United Kingdom                                                                     |
| Telephone number           | 0044 – 1642 524437                                                                 |
| Fax number                 | 0044 – 1642 524468                                                                 |
| Homepage                   | <a href="http://www.teesvalleyunlimited.gov.uk">www.teesvalleyunlimited.gov.uk</a> |

## Type of Organisation:

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                            |
| University or Educational institution | <input type="checkbox"/>                            |
| Public Organisation (please specify)  | <input checked="" type="checkbox"/> Local Authority |
| Private enterprise                    | <input type="checkbox"/>                            |
| Other (please specify)                | <input type="checkbox"/>                            |



Contact details for ECRN:

| Contact Details     | Team Member 1                                                                             | Team Member 2                                                                             |
|---------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Surname, Name       | Brear, Lynne                                                                              | Lowther, John                                                                             |
| Institution/Company | Tees Valley Unlimited                                                                     | Tees Valley Unlimited                                                                     |
| eMail               | lynne.brear@teesvalleyunlimited.gov.uk                                                    | john.lowther@teesvalleyunlimited.gov.uk                                                   |
| Internet            | <a href="http://www.teesvalleyunlimited.gov.uk">http://www.teesvalleyunlimited.gov.uk</a> | <a href="http://www.teesvalleyunlimited.gov.uk">http://www.teesvalleyunlimited.gov.uk</a> |
| Telephone Number    | 0044 - (0)1642 524437                                                                     | 0044 - (0)1642 524400                                                                     |
| Fax Number          | 0044 - (0)1642 524468                                                                     | 0044 - (0)1642 524468                                                                     |

**Regional Economics and Chemistry****I. Sub Regional (Tees Valley) Economics (in general)**

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Population              | 662,600 inhabitants                                                                                                                                                       |
| Area                    | 794 km <sup>2</sup>                                                                                                                                                       |
| Population density      | 834.5 inhabitants per km <sup>2</sup>                                                                                                                                     |
| Gross Value Added       | Headline Gross Value Added (adjusted – 5 year moving average)<br>£9,936 million 2007<br>Headline Gross Value Added - average per head of population<br>(adjusted) £15,060 |
| Main sectors            | Chemicals, Iron & Steel related, Engineering, Food & Drink,<br>Construction & related, Digital & media                                                                    |
| Export- and Import rate | North East export to EU £5,473 million, to non EU £4,098 million<br>North East import to EU £3,662 million, to non EU £3,952 million                                      |

**II. Chemical Industry in the Tees Valley Sub Region****II.1 Statistics**

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Number of companies in total | 270 Tees Valley sites                                         |
| Number of employees          | > 11,000                                                      |
| Export rate                  | 53%                                                           |
| Sector structure             | base, engineering, speciality, biotechnology, pharmaceuticals |

Share of Chemistry in relation  
to whole industry in the sub region 15%

## **II.2 North East Research capacities (All within travelling distance from Tees Valley)**

Number of universities / technical  
colleges /universities of applied science: 5 universities and 23 further education colleges

Number of universities / technical  
colleges /universities of applied  
science with chemical department: 5 universities and 23 further education colleges

Technology: 5 centres of excellence - including the Centre for  
Process Innovation

## **II.3 Private and public bodies (i. e. associations) involved into chemistry**

Name of Organisation: NEPIC  
Homepage [www.nepic.co.uk](http://www.nepic.co.uk)  
e-Mail [enquiries@nepic.co.uk](mailto:enquiries@nepic.co.uk)

Name of Organisation: National Skills Academy for the Process Industry  
Homepage <http://www.process.nsacademy.co.uk/contact-us/>  
e-Mail [enquiry@process\\_nsacademy.co.uk](mailto:enquiry@process_nsacademy.co.uk)

## **II.4 Main players (companies)**

Name of Company: SABIC UK Petrochemicals  
Homepage: [www.sabic-europe.com](http://www.sabic-europe.com)

Name of Company: Avesia  
Homepage: [www.avesia.com](http://www.avesia.com)

Name of Company: Huntsman Pigments  
Homepage: [www.huntsman.com](http://www.huntsman.com)

Name of Company: Ensus

Homepage:

[www.ensusgroup.com](http://www.ensusgroup.com)



## Region: Yorkshire & The Humber

Logo / Map of the Region:



## Responsible ECRN-Partner

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Organisation:              | Humber Chemical Focus Ltd & Yorkshire Chemical Focus Ltd                                                                          |
| Address (Mail Box, Street) | HCF Ltd, CATCH, Kiln Lane, Stallingborough, Grimsby NE, Lincolnshire                                                              |
| Postcode, City             | DN41 8TH                                                                                                                          |
| Country                    | United Kingdom                                                                                                                    |
| Telephone number           | 0044 – 1469 552840                                                                                                                |
| Fax number                 | 0044 – 1469 552849                                                                                                                |
| Homepage                   | <a href="http://www.humberchemicalfocus.org">www.humberchemicalfocus.org</a> ; <a href="http://www.ycf.org.uk">www.ycf.org.uk</a> |

Type of Organisation:

- |                                       |                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------|
| Ministry                              | <input type="checkbox"/>                                                       |
| University or Educational institution | <input type="checkbox"/>                                                       |
| Public Organisation (please specify)  | <input type="checkbox"/>                                                       |
| Private enterprise                    | <input type="checkbox"/>                                                       |
| Other (please specify)                | <input checked="" type="checkbox"/> Private-public sector business partnership |

Contact details for ECRN:

| Contact Details     | Team Member 1                    | Team Member 2                     | Team Member 3                |
|---------------------|----------------------------------|-----------------------------------|------------------------------|
| Surname, Name       | Dr Hughes, Glyn                  | Hedges, Katie                     | Gerrard, Ralph               |
| Institution/Company | Humber Chemical Focus Ltd        | Humber Chemical Focus Ltd         | Yorkshire Chemical Focus Ltd |
| eMail               | glyn.hughes@humberchemical.co.uk | katie.hedges@humberchemical.co.uk | ralph@ycf.co.uk              |
| Internet            | www.humberchemicalfocus.org      | www.humberchemicalfocus.org       | www.ycf.org                  |
| Telephone Number    | 0044 – (0)776 33422              | 0044 – (0)146 9552840             | 0044 – (0)148 4554106        |
| Fax Number          |                                  |                                   |                              |

**Regional Economics and Chemistry****I. Regional Economics (in general)**

|                              |                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Population                   | 5,000,000 inhabitants                                                                                                           |
| Area                         | 15,000 km <sup>2</sup>                                                                                                          |
| Population density           | 330 inhabitants per km <sup>2</sup>                                                                                             |
| Gross Domestic Product (GDP) | 90 billion EUR GVA                                                                                                              |
| Main sectors                 | Engineering, Aerospace, Energy Generation, Fuel Manufacture, Transport & Ports, Chemical & Process Industries, Digital, Tourism |
| Export- and Import rate      | Chemical sector export 65% of production                                                                                        |

**II. Chemical Industry in the Region****II.1 Statistics**

|                              |                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of companies in total | 300                                                                                                                                                                  |
| Number of employees          | 20,000                                                                                                                                                               |
| Export rate                  | 65% +                                                                                                                                                                |
| Sector structure             | All major sectors represented: petrochemicals, pharma, paints, pigments, personal care, oleochemicals, biofuels, specialty chemicals, commodity chemicals & solvents |

Share of Chemistry in relation to whole industry in the region      second largest manufacturing sector in regional with average of 5% GVA contribution

## II.2 Research capacities

Number of universities / technical colleges /universities of applied science:      6 major university centers (Hull, York, Leeds, Huddersfield, Bradford, Sheffield)

Number of universities / technical colleges /universities of applied science with chemical department:      all universities have chemical science departments

Technology:      York, Bradford and Hull, Leeds and Sheffield host Center for Industrial Collaboration and Excellence

## II.3 Private and public bodies (i. e. associations) involved into chemistry

Name of Organisation:      Humber Chemical Focus Ltd  
Homepage      [www.humberchemicalfocus.org](http://www.humberchemicalfocus.org)  
e-Mail

Name of Organisation:      Yorkshire Chemical Focus Ltd  
Homepage      [www.ycf.org.uk](http://www.ycf.org.uk)  
e-Mail

## II.4 Main players (companies)

Name of Company:      Total, ConocoPhillips, BP, Ineos, Kemira, Novartis, Cristal (Tioxide), Nippon Ghosie, Centrica, Greenergy, Vivergo, Blue Star Lenzing, Yule Catto –Synthomer, Southern & Scottish, Gassco, Windgas, Simon Storage, Rix, Mcbrides, Reckitt Benckiser, Croda, Syngenta, Nufarm, Rhodia, Vivimed, Dr Reddyd, Brotherton Essec, Brentag, ISP, Univar, Cray Valley



The Humber River: The Gateway to Europe for the Yorkshire & Humber Region

## Impressum:

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