



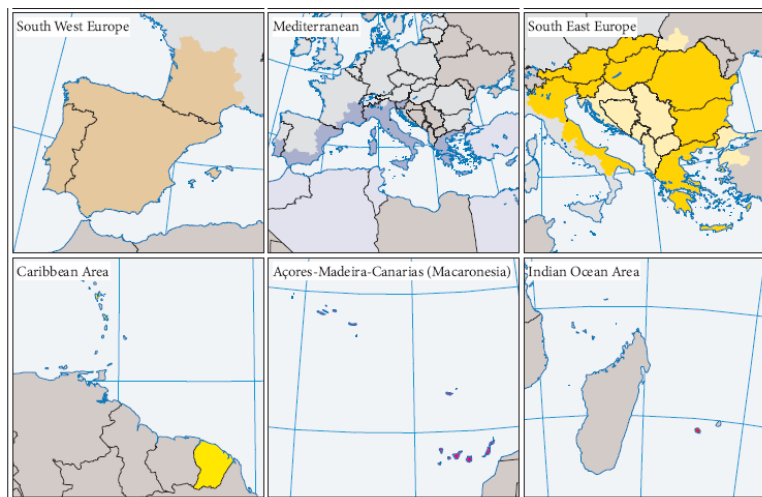
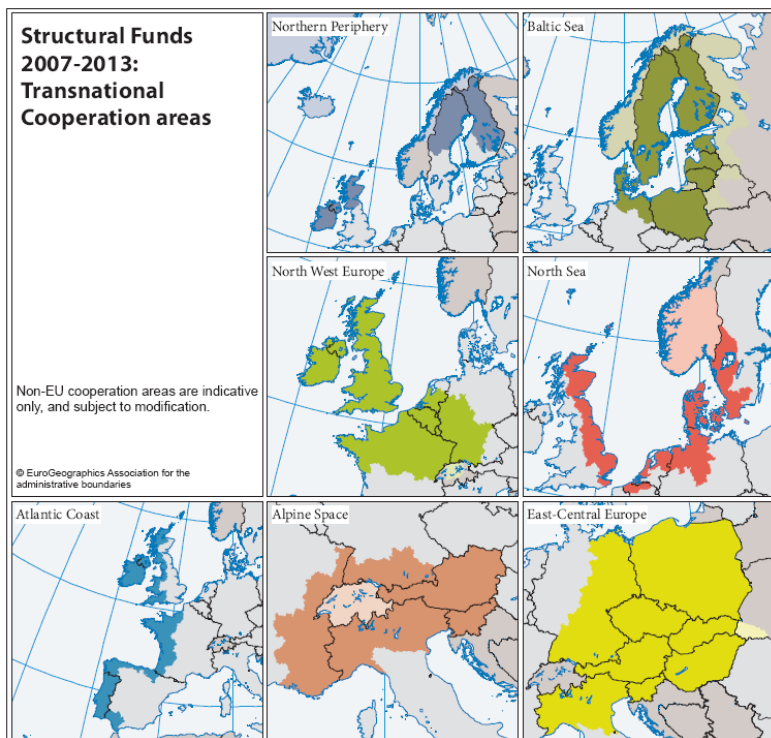
# Energy and the Interreg IVB North Sea Region Programme



**@ Transnational Cooperation Seminar on Energy  
23 September 2008 - Aberdeen  
Carsten Westerholt,  
Interreg North Sea Region Programme**



# Transnational Cooperation Programmes 2007 - 2013





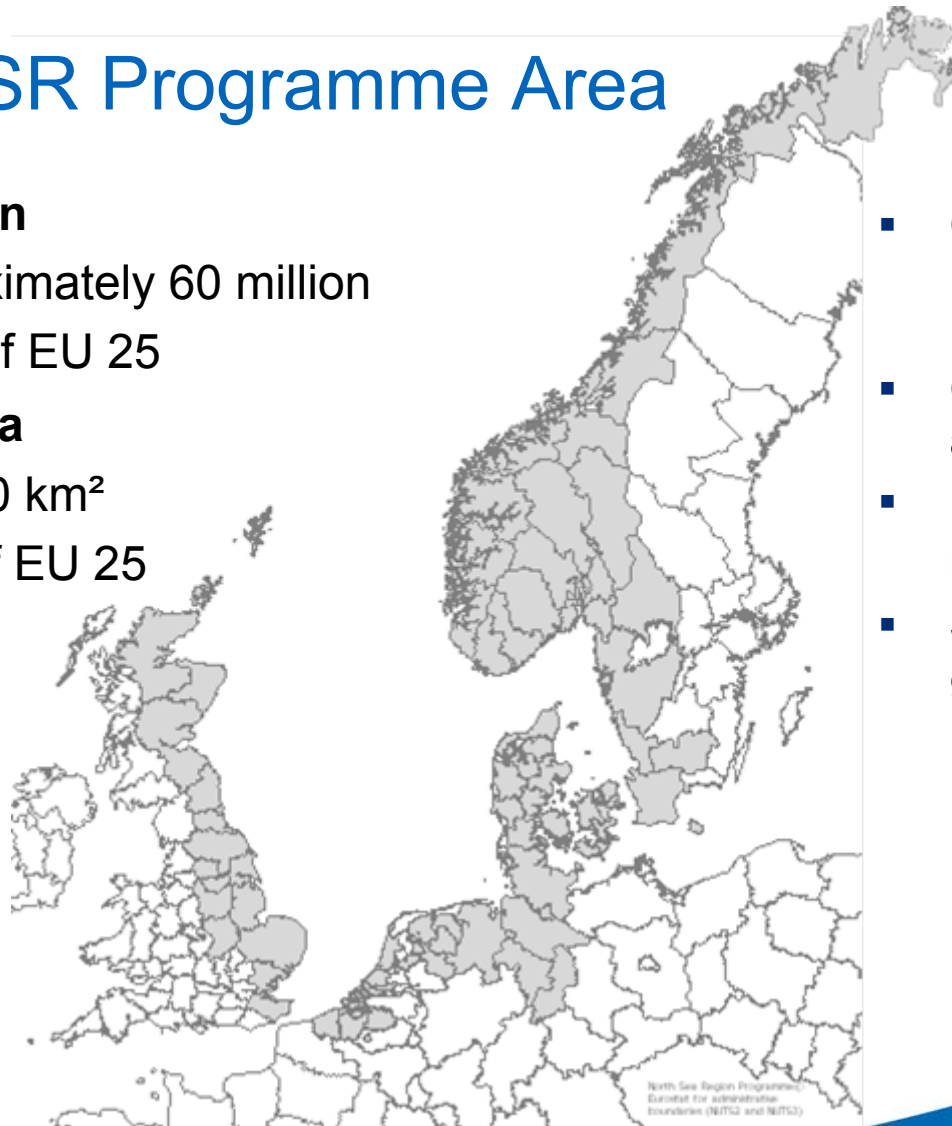
# The NSR Programme Area

## Population

- Approximately 60 million
- 13 % of EU 25

## Land Area

- 664.000 km<sup>2</sup>
- 14 % of EU 25



- **Geographical diversity**  
Finnmark (N): 1.5 inh./km<sup>2</sup>  
Hamburg (G): 2.293 inh./km<sup>2</sup>
- **GDP/Capita** 75-150 % EU 15 average (2002: 28.516 €)
- **Unemployment**  
below EU average
- **SMEs**  
99,6% of enterprise is SME



# The North Sea Region: Common Challenges and Opportunities

- Economic Development
- The Environment
- Accessibility
- Demographic Development
- Territorial Challenge
- **The Energy Sector**

A region with shared problems and  
common opportunities



# Make the North Sea Region a better place to live work and invest in

## Promote transnational co-operation that:

1. Increases the overall level of **innovation** taking place across the North Sea Region
2. Enhances the quality of the **environment** in the North Sea Region
3. Improves the **accessibility** of places in the North Sea Region
4. Delivers sustainable and competitive **communities**





# The region and the priorities of the Programme

**Innovation** – 5 Clusters: Technology/Natural Resources/Engineering/Advanced Services/Energy, World leader in ICT, High general level of education

**Environment** – Coastline of 35.696 km but lack of ICZM, Marine pollution awareness but lack of policy and marine risk adaptation

**Accessibility** – Europe's biggest transport hub but strong variations in accessibility, sea transport very important but high road dependency and lack of inter-modal solutions

**Communities** – High dependency on towns with less than 20.000 inhabitants but strong and diverse metropolitan areas and urban sprawl with high GDP/Capita levels



# Energy in the NSR Programme





# The NSR's Energy Capacity

- Rich natural **Energy Resources**:
  - Oil and gas, hydro power, tidal and wave, high developed use of wind turbines
- NSR countries are leaders in **Energy Technologies**
- N, DK and UK are **Net Energy Exporters**



# Energy in the IVB NSR Programme

- A cross-sectoral topic:

→ **Relevant throughout all Priorities**

Priority 1: Energy related to Innovation – all Aols

Priority 2: Energy related to Environment – 2.4

Priority 3: Energy related to Accessibility – all Aols

Priority 4: Energy related to Communities – 4.3

## Programme aim:

To make the North Sea region a better place to live, work and invest in

1. Increase the overall level of innovation taking place across the North Sea region

2. Enhance the quality of the environment in the North Sea region

3. Improve the accessibility of places in the North Sea region

4. Deliver sustainable and competitive communities

**Priority 1: Building on our capacity for innovation**

**Objective 1:** Building the innovation-capacity of businesses

**Objective 2:** Building the transnational dimension of clusters and research and innovation networks

**Objective 3:** Building societal and the institutional capacity for innovation

**Objective 4:** Promoting the adoption and use of ICT applications

**Priority 2: The sustainable management of our environment**

**Objective 1:** Sustainable development of the coastal land and sea areas through integrated coastal zone management

**Objective 2:** Developing preventative and responsive measures to address acute and chronic marine pollution

**Objective 3:** Adapting to and reducing risks posed to society and nature by a changing climate

**Objective 4:** Promoting environmentally-responsible energy production practices

**Priority 3: Improving the accessibility of places in the NSR**

**Objective 1:** To promote regional accessibility strategies

**Objective 2:** To promote the development of multi-modal and transnational transport corridors

**Objective 3:** To promote the development of efficient and effective logistics solutions

**Priority 4: Promoting sustainable and competitive communities**

**Objective 1:** Tackling the needs of areas in decline

**Objective 2:** Promoting sustainable growth solutions for expanding areas

**Objective 3:** Promoting energy-efficiency in settlements



# Priority 1

## Building on our Capacity for Innovation

All Areas of Intervention are relevant for Energy projects:

- **Building the innovation capacity of businesses in the sustainable energy sector**
- **Building the transnational dimension of energy clusters and research and innovation networks related to renewable energy**
- **Building the society's and the institutional capacity for energy innovation**
- **Promoting the adoption and use of ICT applications related to renewable energy**



## Priority 2

### The Sustainable Management of our Environment

#### **Aol 2.4: Promoting environmentally responsible energy production practices**

- Uptake of renewable energy sources
- Widening the range of energy technologies
- Diversification of energy resources
- Optimisation of delivery systems, market conditions
- Network/ knowledge exchange for new technologies
- Integrating energy concerns into territorial development



## Priority 3

### Improving the Accessibility of Places in the NSR

All Areas of Intervention are relevant for Energy projects:

**To promote regional accessibility strategies** based on sustainable energy concepts

**To promote the development of multi-modal and transnational transport corridors** which are positive towards energy consumption

**To promote the development of efficient and effective logistics solutions** through innovative energy concepts in order to provide social, economic and environmental benefits



# Priority 4

Promoting Sustainable and Competitive Communities

## Aol 4.3: Promoting Energy Efficiency in Settlements

- Promote energy efficient consumption patterns in society
- Create capacity in the construction sector and in buildings design towards energy efficiency and technological business innovation
- Introduce alternative energy schemes for business and domestic users
- Develop common energy standards for building and construction activities



# Energy in Transnational Cooperation





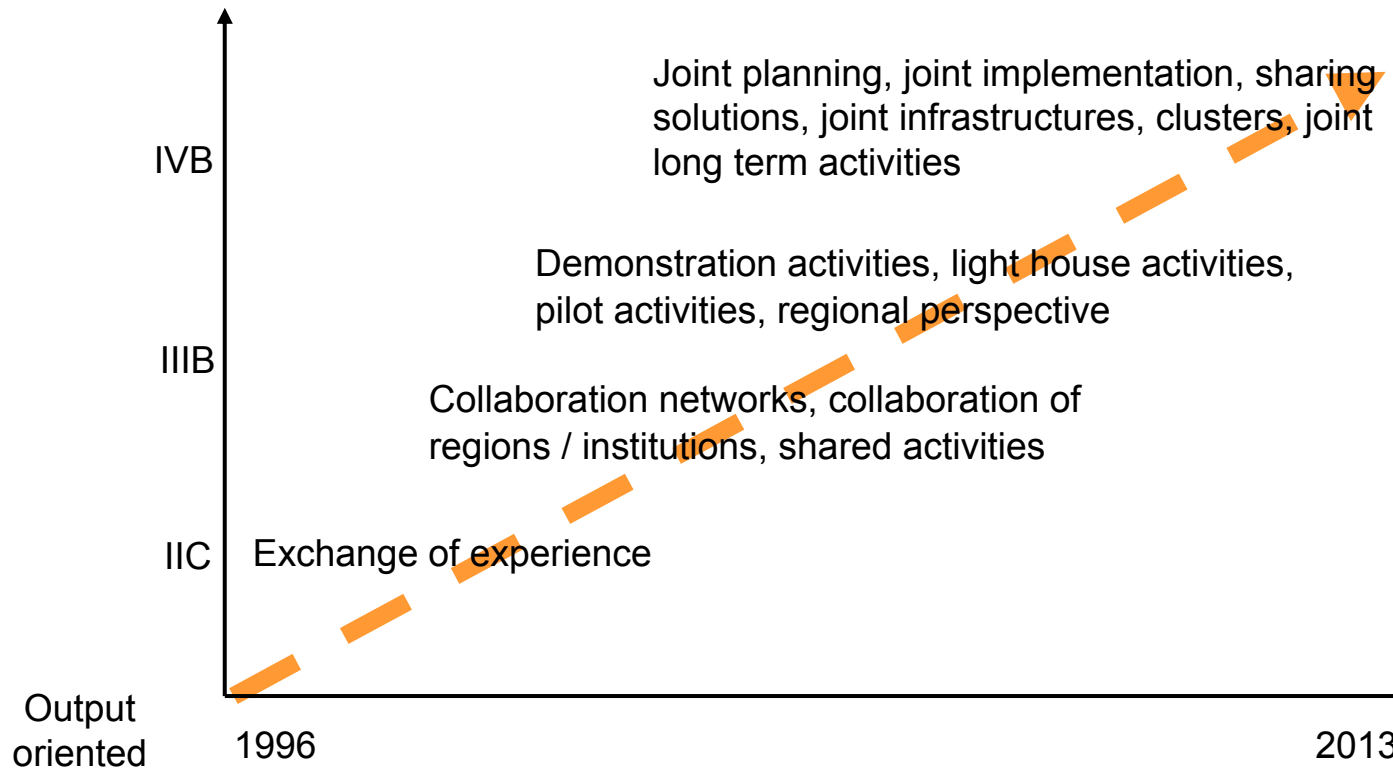
# Transnational Co-operation is...

- Working between different levels of institutions / administration,
- embracing different levels of policy,
- across national boundaries,
- in a large territory,
- developing, preparing and implementing joint solutions,
- which would otherwise not be achievable.



# Transnational Co-operation – Transition of Activities

Impact oriented






# The Interreg IVB North Sea Region Programme



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**About The Programme**  
The North Sea Programme works with cutting edge policy areas relating to spatial development in the North Sea region. It provides the opportunity for organisations to work together on transnational projects.  
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Table of Project Ideas
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<a href="#">1.19 Knowledge transfer in novel crops to deliver high value and sustainable supply chains to coastal zone agriculture.</a>
<a href="#">1.20 Cooperative Networks of Innovation</a>
<a href="#">1.21 CAPACITY - Responsible partnering between research, business and policy makers. Capacity building to implement the OECD recommendations</a>
<b>Draft Priority 2 - Promoting the Sustainable Management of our Environment</b>
<a href="#">1.01 Agriculture and land management responses to climate change</a>

**NEWS**

[Annual Conference - Presentations now online!](#)  
11 July 2007

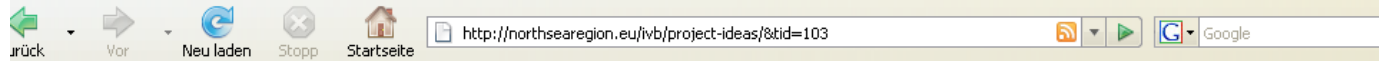
2000-2006



**Interreg North Sea Region**  
[Click here to go to the IIIB site](#)



# The Interreg IVB North Sea Region Programme



together for a sustainable and  
competitive region

European Union  The European Regional Development Fund



You are currently on the website of the Interreg IVB North Sea Region Programme (2007-2013)

## The Interreg IVB North Sea Region Programme



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About The Programme  
The North Sea Programme works  
with cutting edge policy areas

## Project Ideas

### 1.01 Advanced Networking

#### Description

To find exactly the right expertise in networks which go across knowledge and national boundaries is difficult and often results in inefficiency and suboptimal return on investments. Implementation of our method, advanced networking, will result in improvement of network efficiency.

#### Stimuland

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Ommen  
P.O. Box 120  
NL-7730 AC  
The Netherlands

Gerry Hemink  
[ghemink@stimuland.nl](mailto:ghemink@stimuland.nl)  
Tel: +31 529478180  
Fax: +31 529452002

#### Central Aim

Improvement of knowledge sharing and cooperation in NSP knowledge areas.

#### Envisaged Output

## Events

German Information  
Event - Interreg IVB  
North Sea Region  
From: 05 September  
2007  
To: 05 September 2007

Transnational Project  
Development  
Workshop for Marine &  
Maritime Initiatives  
From: 20 August 2007  
To: 21 August 2007

## News

Draft application form  
online  
04 July 2007

2000-2006



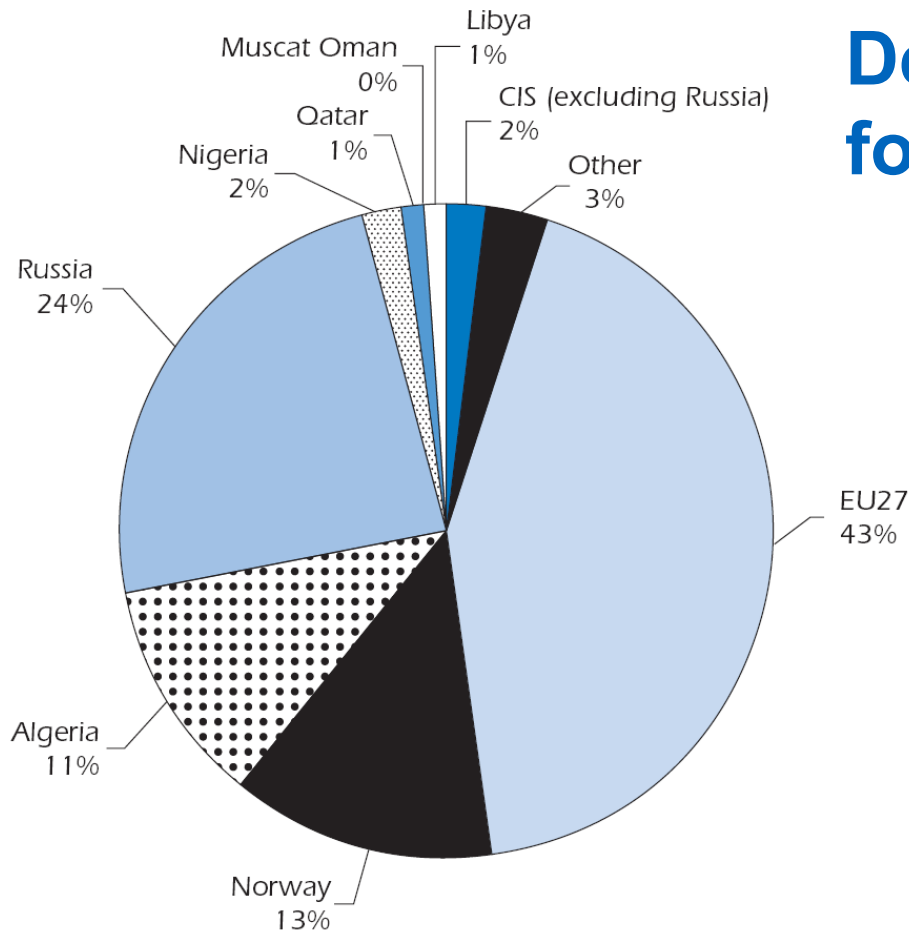


# What project attributes is the programme looking for?

- Oriented towards implementation
- Following an overall transnational approach
- Creating impact for the North Sea region
- Creating long lasting results
- Contributing to the Lisbon and Gothenburg agendas
- Linking to European policies
- Contributing to a positive innovation orientated culture in the North Sea region



### Origin of Gas Consumed in the EU27, 2005

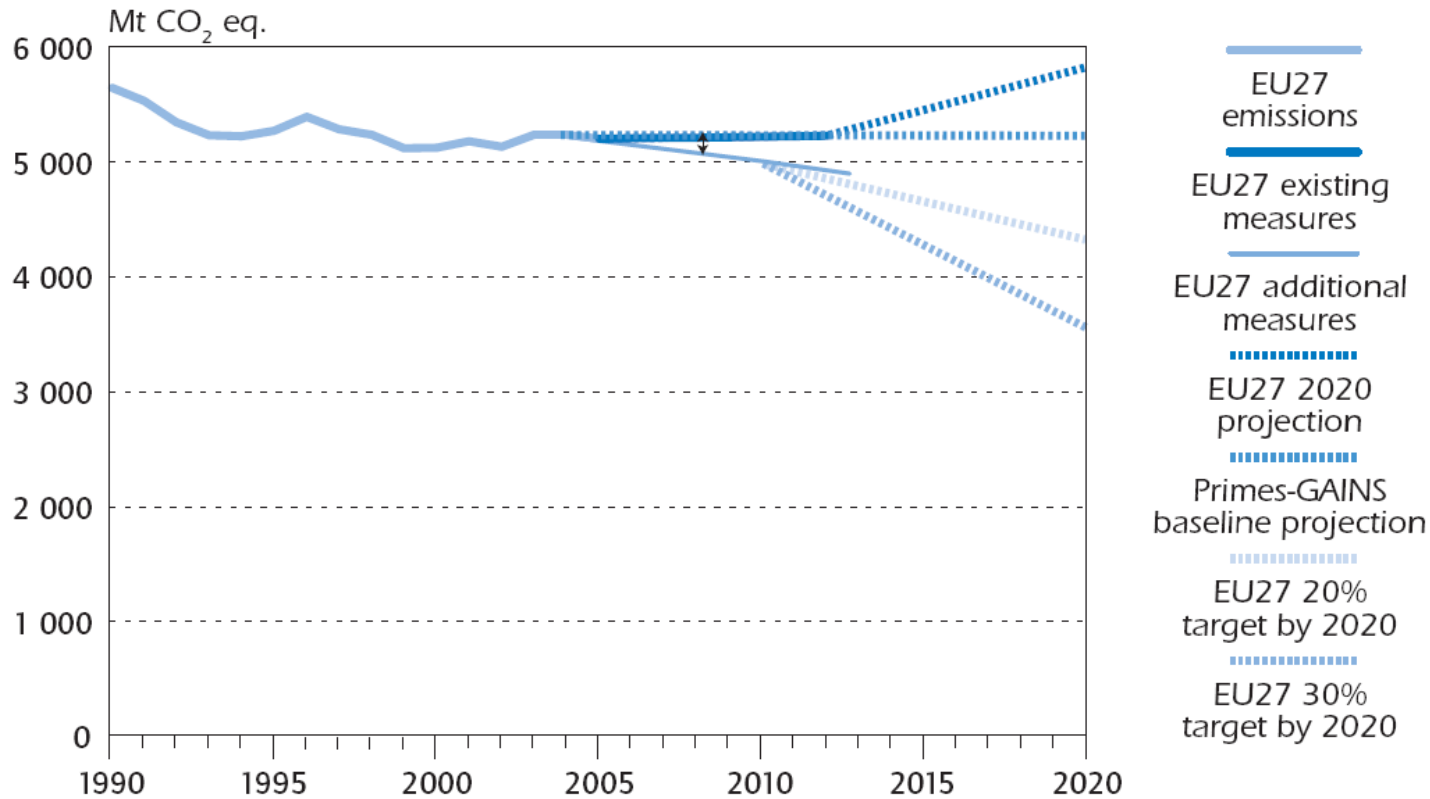


## Dependency on fossile ressources

Source: IEA 2008



## Actual and Projected Emissions for EU27, 1990 to 2020 (Mt CO<sub>2</sub>-equivalent)

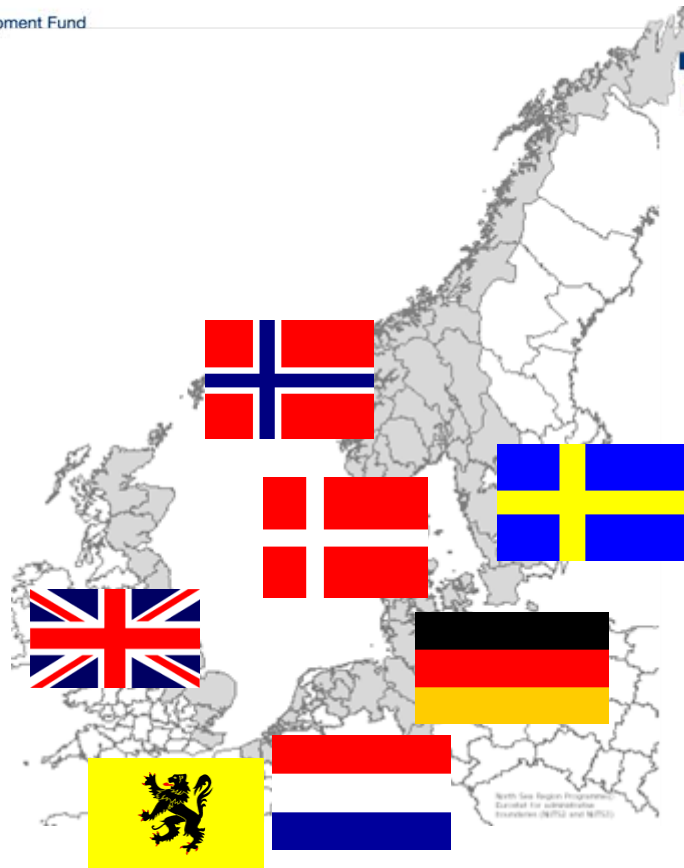


**20% by  
2020**

Source: IEA 2008



# The Interreg IVB North Sea Region Programme



## Think transnational!



**The Interreg IVB  
North Sea Region  
Programme**



**Thank you very much!**

**Visit our website: [www.northsearegion.eu](http://www.northsearegion.eu)**

**The Interreg IVB  
North Sea Region  
Programme**

