

About SETatWork

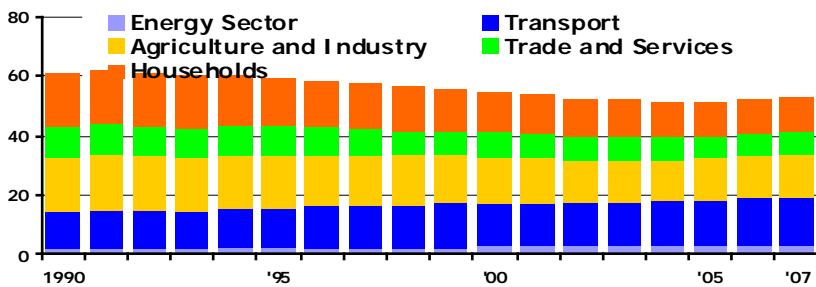
SETatWork assists European industries gain access to the carbon markets through energy performance improvement by offering an information platform and a wide range of activities within training, promotion and matchmaking for industry, technology suppliers and actors in the global Carbon Market.

Read more on www.SETatWork.eu

Profile

The Danish commitment under the Kyoto Protocol is to reduce the level of GHG emissions by 21% compared to the emission level in the base year 1990.

Due to a long standing focus on energy efficiency measures as well as increased use of renewable energy sources, the total CO₂ emissions related to energy consumption in Denmark has been decreasing since 1990. The main contribution to the decrease in emissions comes from the residential sector, agriculture and industry and the trade and service sectors. However, the transport sector's CO₂ emissions are increasing and more than out-balance the positive development within the other sectors, as shown in the figure below.



The figure reveals on one side the remarkable achievement that Denmark has succeeded in keeping CO₂ emissions stable in the period despite a considerable growth in the economy, thereby proving that economic growth and sustainable development can go hand in hand. However, it also shows that in recent years there has been an upward trend indicating there is still a long way to go to fulfil the CO₂ reduction target.

Read more in "SETatWork Country Report for Denmark" available for download at: <http://www.setatwork.eu/countries.htm#profiles>

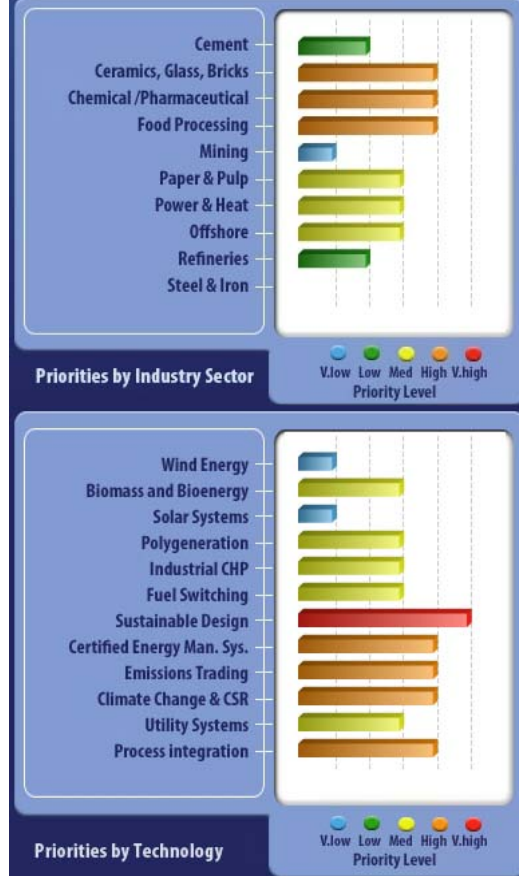
The ETS Industry Sector

The energy intensive industry constitutes a minor part of the Danish industrial sector. The majority of the companies are SMEs.

The energy consumption is based on a finely knit natural gas and district heating network with a high rate of connection that leads to a high use of co-generation. Although coal is still the main source of energy, renewable sources are increasingly being adopted in the energy system, first of all in the form of biomass for heating and electricity and installation of wind power.

The Danish National Allocation Plan (NAP) covers around 400 production units. Under NAP2 covering 2008-2012 the total allocations have been lowered by 27% to 24.5 million tonnes annually, where the energy utility sector take the largest burden as their allocations are reduced to 57% of their historic emissions.

SET Priorities: Denmark



Some industry sectors have little or no representation in the NAP which is reflected in the level of priority given to specific sectors. The opportunities to impact the various sectors vary and hence require different focus.

The SETatWork pilot training needs survey indicated that climate change/CSR is a topic of interest for large organisations; while simple ways of reducing costs through emission trading appeal to SMEs.

Dates for your diary

December 15, 2009

SETatWork Training Event in Hedensted

The training event will be organised in coordination with the Danish industry initiative Green Network and will focus on the introduction of energy management systems.

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Sustainable Energy Technology Providers

Compared to the size of the country Denmark has quite a number of technology providers within energy efficiency and savings, covering areas like district heating and cooling/combined heat and power, metering equipment, building materials, efficient pumps etc. The same goes for technology providers for renewable energy.

Several of these companies are used to operate on the world market, while others are mainly national oriented and need assistance to enter international markets.

State of the Carbon Market

In the NAPII period the CO₂ allocations have been tightened and thus provide further incentives for Danish ETS companies to implement CO₂ reduction measures. The energy sector will carry the largest burden with regard to emission reductions, while milder conditions can be seen within industry sectors

The strategy from the official Denmark is to support the development of CleanTech solutions, a regulatory framework to induce innovation and entrepreneurs, the creation of public-private partnerships etc.

At the company level there is a trend towards increasing awareness on energy efficiency and savings; in addition to the incentives given by the ETS this trend is driven by the rise in energy prices as well as the increased focus on climate change and the image aspects of a high environmental profile. Thus many companies are positioning themselves to the challenge of climate change.

Good Practice

As part of SETatWork activities, the following Good Practice/GP Cases have been prepared:

- Sustainable Design of a new manufacturing facility in Tianjin, China by Novo Nordisk, a pharmaceutical corporation
- Sustainable Design of a new manufacturing facility in Cork, Ireland, by Eli Lilly, a pharmaceutical corporation
- In coordination with the Danish industry network, Green Network, a handbook on GPs of companies in south-west Denmark has been prepared

See more at:

<http://www.setatwork.eu/gp.htm>

Stakeholders and Initiatives

Especially in recent years a number of initiatives have been taken on joining forces of both public and private actors for meeting the climate challenge:

- **The Climate Consortium:** is the official focal point for all Danish business-related activities leading up to the UN Climate Change Conference, COP15. It is a public-private partnership between the Danish State and national associations for the industry, agriculture and the energy sector <http://en.cop15.dk/climate+consortium>
- **Energy map:** is a web-based guide showcasing cleantech suppliers and solutions www.energymap.dk
- **Energy Tours;** is a service for professionals with an interest in Danish climate and energy-related technologies and solutions <http://www.energytours.dk/>
- **Bright green:** is an initiative on Danish strongholds in the field of energy & climate and at the same time the heading of the exhibition parallel to COP15 www.brightgreen.dk
- **Green Network:** is a network of municipalities and companies operating in the South-western part of Denmark dedicated to improving environment and healthy living. The initiative started in 1994 and today around 300 companies and public institutions take part. www.greennetwork.dk/page61.aspx
- **Zero Carbon Network:** is an initiative for companies in the Region of Zealand dedicated to becoming more environmental friendly. ZCN support the member companies in elaborating climate strategies as well as facilitating the initiation of climate oriented activities www.zero-carbon.dk (website in Danish)

Further details of the case studies, businesses and match-making opportunities in Denmark and the other countries covered by SETatWork can be found online at: www.setatwork.eu

SETatWork Contacts for DENMARK:



The Confederation of Danish Industries (Dansk Industri - DI) is a private organisation currently funded, owned and managed entirely by 7,000 companies within manufacturing and service industry in Denmark. This incorporates a majority of Danish ETS companies as well as sustainable energy technology suppliers.

The key tasks of DI in the SETatWork Project are:

- Undertake CDM project activities in Africa and support CDM project activities in the other targeted regions
- Help to create linkage to DI's sister organizations in the EU and beyond EU

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ENERGY CONSULTING NETWORK

Energy Consulting Network Ltd (ECNet) is a Danish company of energy consultants and planners. It was established in April 2000 and consists of six partners and staff employed on project basis. Its mission is to contribute to the implementation and dissemination of sustainable energy and environmental systems.

The key tasks of ECNet in the SETatWork Project are:

- Undertake contract management
- Coordinate work on project identification and networking
- Help to coordinate training activities and contribute to promotion & dissemination work etc

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Details of other partners can be found at: www.setatwork.eu/partners.htm