

# NORSK ENERGI

- **Turnover 82 MNOK**
- **Financial results, 4.6 million NOK.  
(before bonus and finance)**
- **Norsk Energi celebrated its 90 year anniversary**
- **75 employees, highly skilled as  
B.Sc, M.Sc, Ph.D**



## Norsk Energi, International department



**Hans (58)**



**Ole (53)**



**Sergei (37)**

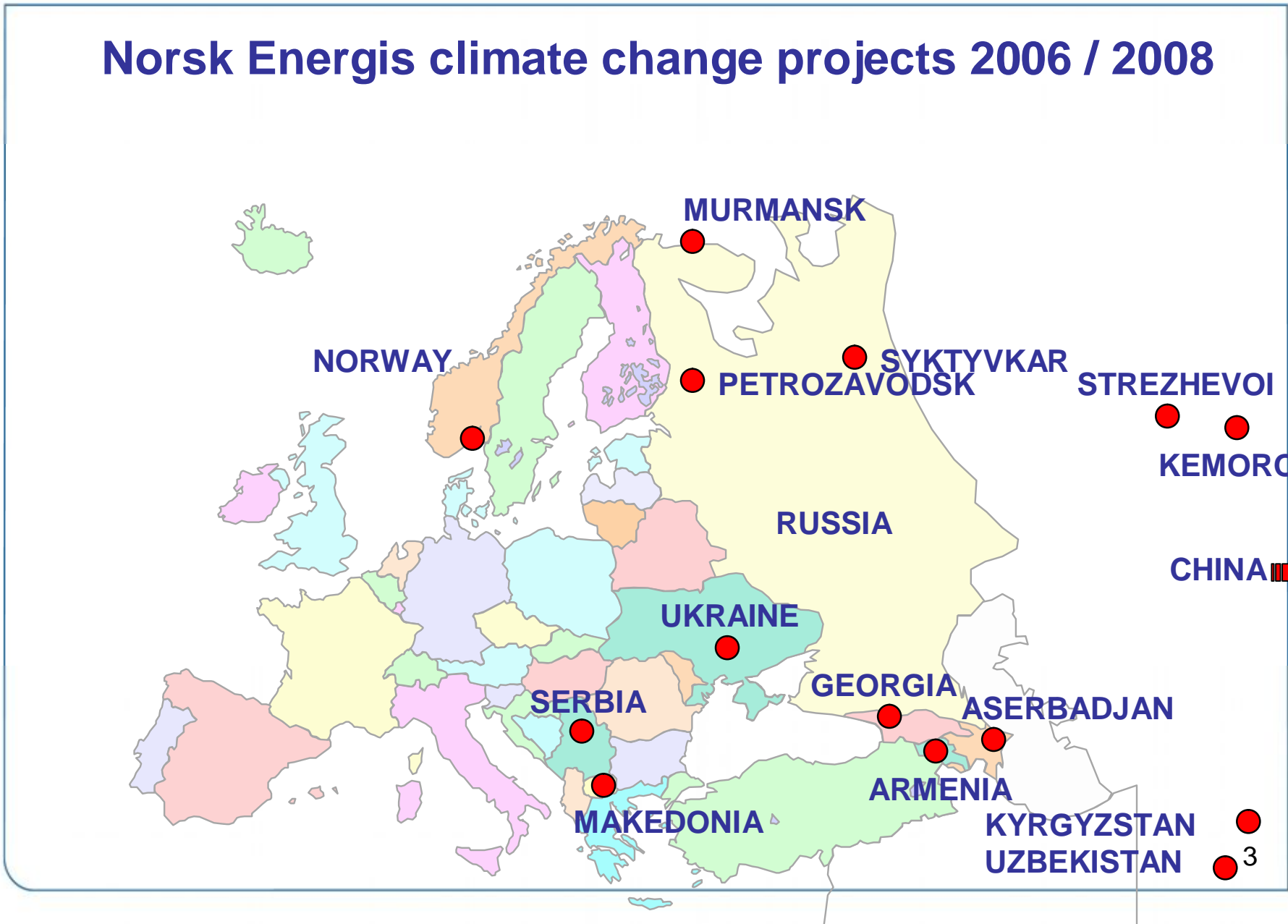


**Ann Iren (31)**



**Åse (30)**

# Norsk Energis climate change projects 2006 / 2008



## Development of global climate strategy for Telenor

**Client:** Telenor

**Contract sum:** NOK 2 mill (2007+2008)

**Duration:** 2007 →

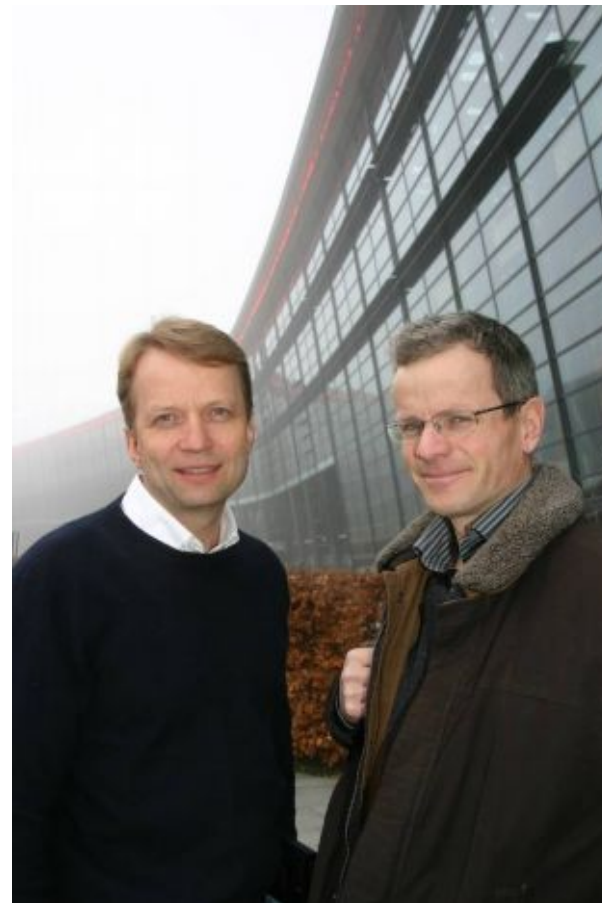
**Main focus:**

**Advisory assistance to the management of the Telenor Group in development of a global climate strategy.**

**Telecommunication subsidiaries in 12 countries, with 500.000 t CO<sub>2</sub> emissions/year, and energy consumption of 1,6 TWh**

**Setting CO<sub>2</sub> reduction targets for all departments.**

**Defining CO<sub>2</sub> reduction measures**



## Karelian Municipal Boiler Conversions

**Client:** Nordic Environmental Finance Corporation (NEFCO)

**Contract sum:** NOK 1,3 mill

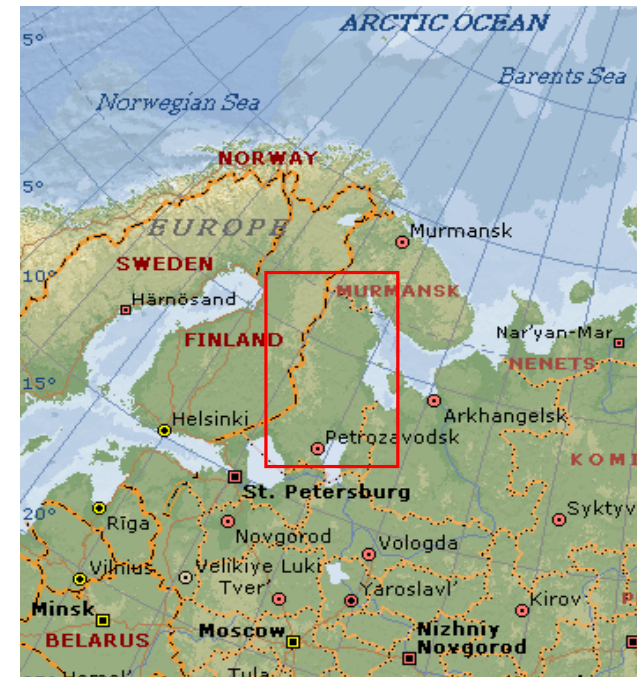
**Duration:** 2006-2007

**Main focus:**

Conversion from coal and mazut to biofuels and natural gas in 15 Municipal boiler houses.

Preparation of 2 PDDs for bundled projects.

210.000 tons CO<sub>2</sub> equivalents 2008-2012



## PDD Zhechart Plywood Factory, Komi Republic, Russia

**Client: Nefco**

**Contract sum: 25.000 Euro**

**Main focus: Development of a PDD for fuel switch project. New boiler house for biofuels.**

**Emission reductions 2008-2012:**

**Component 1 – Fuel switch : 61705 tons**

**Component 2 – CH4 avoidance at landfill – 15446**

**Totalt : 77151 tons CO<sub>2</sub> equiv.**



## PDD Murmansk district heating project

**Client: Nefco**

**Contract sum: 25.000 Euro**

**Main focus: Development of a PDD  
for modernization of the district  
heating system in Murmansk city.**

**310.000 t CO<sub>2</sub> equiv. 2008-2012**



## Kemorovo (Sibir)

**Client:** Nordic Environmental  
Investment Corporation  
(NEFCO)

**Duration:** 2006

**Main focus:**

**Develop business plan and  
risk analysis for investment  
project:**

**Build gas pipeline (1,2 km)  
and new boilers 2 x 20 MW for  
use of combustible off gas  
from a coke oven as fuel to  
substitute coal in a chemical  
industrial plant.**





## PDD Strezhevoi, Tomsk Oblast, Russia

**Client: Nefco**

**Contract sum: 30.000 Euro**

**Duration: 2007-2008**

**Main focus: Prepare a Project Design Document (PDD) for the TGF project "Reconstruction of Strezhevoy Central Heat Supply Stations"**

**A total of 4 projects will be implemented, each saving 3 700 000 m<sup>3</sup> of natural gas p.a.**



## UKRAINE

**Client:** NMFA

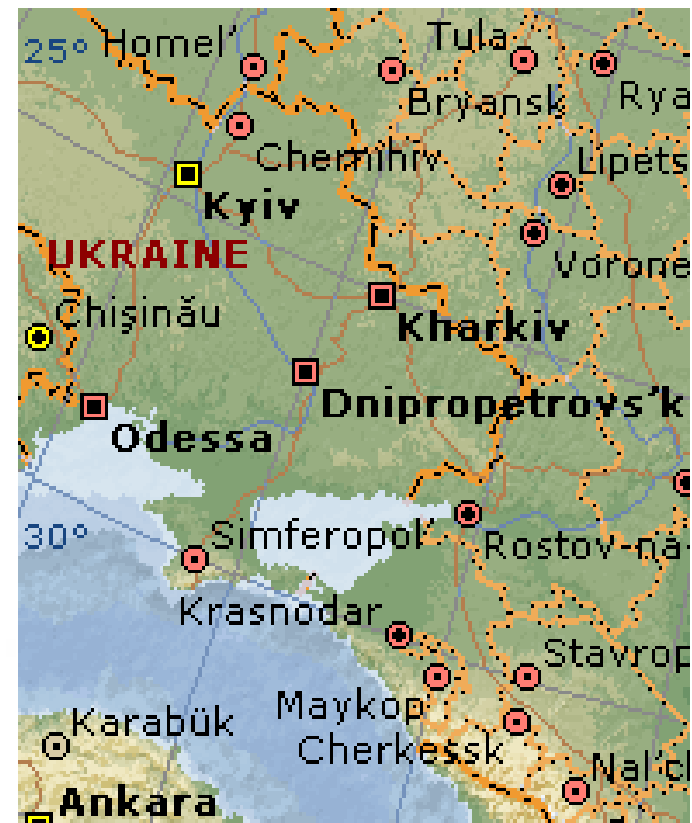
**Project title:** JI capacity building

**Contract sum:** NOK 900.000 (2007-2008)  
NOK 1.750.000 (2008-2009)

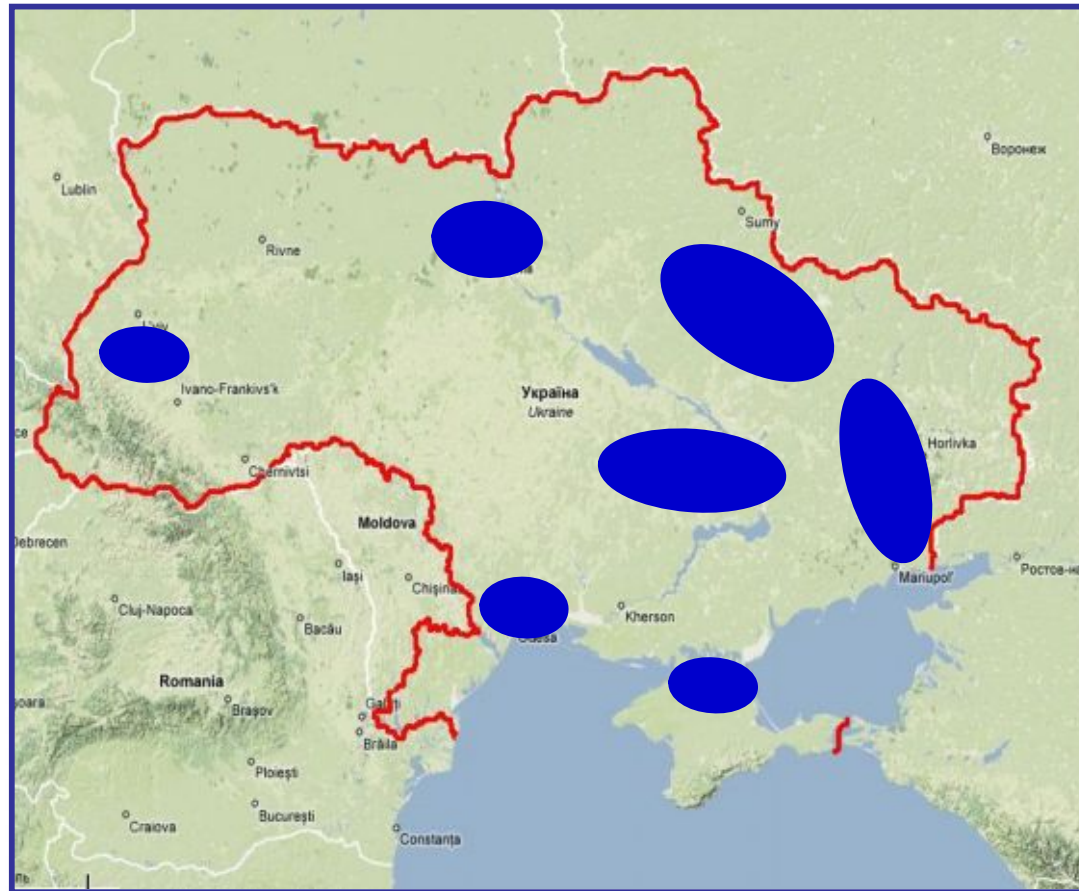
**Duration:** 2007-2009

**Main focus:**

Local capacity building for Joint Implementation. Training of Ukrainian experts in JI project development. Identification of JI projects, development of PINs and dissemination of project information to potential JI investors.



## Ukraine – main industrial centres



## UKRAINE

**Client:** NEFCO TGF

**Project title:** PDD Sumy Teploenergo

**Contract sum:** NOK 240.000

**Duration:** 2007-2008

**Main focus:**

**Project Design Document for energy efficiency measures at Sumy Teploenergo:**

- a) Replacement of old 14 MW steam turbine with new 23 MW steam turbine
- b) Increasing power and heat production at thermal power plant, and close down of old heat only boilers.



# KAUKASUS

**Client:** NMFA

**Project title:** CDM capacity building

**Contract sum:** NOK 996.000 (2006)  
NOK 1.100.000 (2007)

**Duration:** 2006 - 2008

**Main focus:**

CDM capacity building in Azerbadsjan, Georgia and Armenia.

Local partners in Baku, Jerevan and Tblisi

TBLISI



# KAUKASUS

**Client:** European Bank for Reconstruction and Development (EBRD)

**Project title:** Sustainable energy investment potential in Azerbaijan and Armenia.

**Contract sum:** EUR 100.000

**Duration:** 2008

**Main focus:**

- a) Establish energy balance for the two countries.
- b) Market demand study of energy efficiency investments in industry and residential sector.



## Serbia

**Client:** The Serbian Ministry of Mining and Energy

**Project title:** Energy Efficiency Assistance

**Contract sum:** NOK 753.750,-

**Duration:** 2006 - 2007

**Main focus:**

1. CDM Training Programme
2. Advice to energy authorities and 4 regional energy efficiency centres



## CHINA

### 3 CDM PROJECTS IN THE FERROALLOY INDUSTRY:

**Client:** Innovation Norway

**Duration:** 2007

**Main focus:**

CDM project development in Chinese ferroalloy industry.



1. Use of waste heat for steam generation, Erdos Metallurgy Group Co. Ltd. 440.000 t CO<sub>2</sub> equiv./year
2. Use of waste heat for electricity generation, Erdos Metallurgy Group Co. Ltd. 350.000 t CO<sub>2</sub> equiv./year
3. Closing of furnaces and utilisation of combustible gas, Sinosteel Jilin Ferroalloy Co. Ltd. 90.000 t CO<sub>2</sub> equiv./year

