

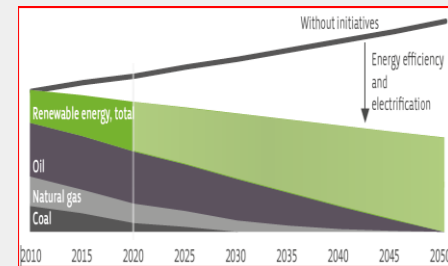
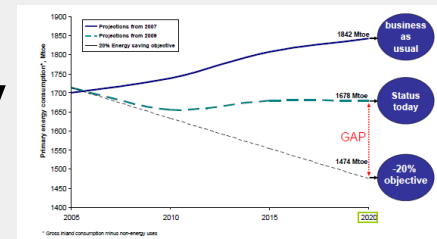
ManagEnergy
Capacity Building Workshop
Rezekne, 11'th March 2015

**ManagEnergy, EU framework and
experience from Denmark**

**By/Nils Daugaard,
EC Network**

Content

- Introduction to the ManagEnergy initiative
- Update of the EU energy policy
- Danish energy policy and planning
- Energy advice in DK – ‘Better Housing’



ManagEnergy Programme

- **ManagEnergy** is a technical support initiative of the European Commission's Intelligent Energy Europe programme
- Support for local and regional sustainable energy actions
- Launched in 2002, originally as a think-tank



ManagEnergy – Major Activities

- Web platform: ManagEnergy.net
- Capacity building workshops
- Networking events
- ManagEnergy Local Energy Action Award
- Publications



Website

- Media outlet for **your** project news and events



Join us...

- *Online*
- *Social media*
- *In person*

www.managenergy.net

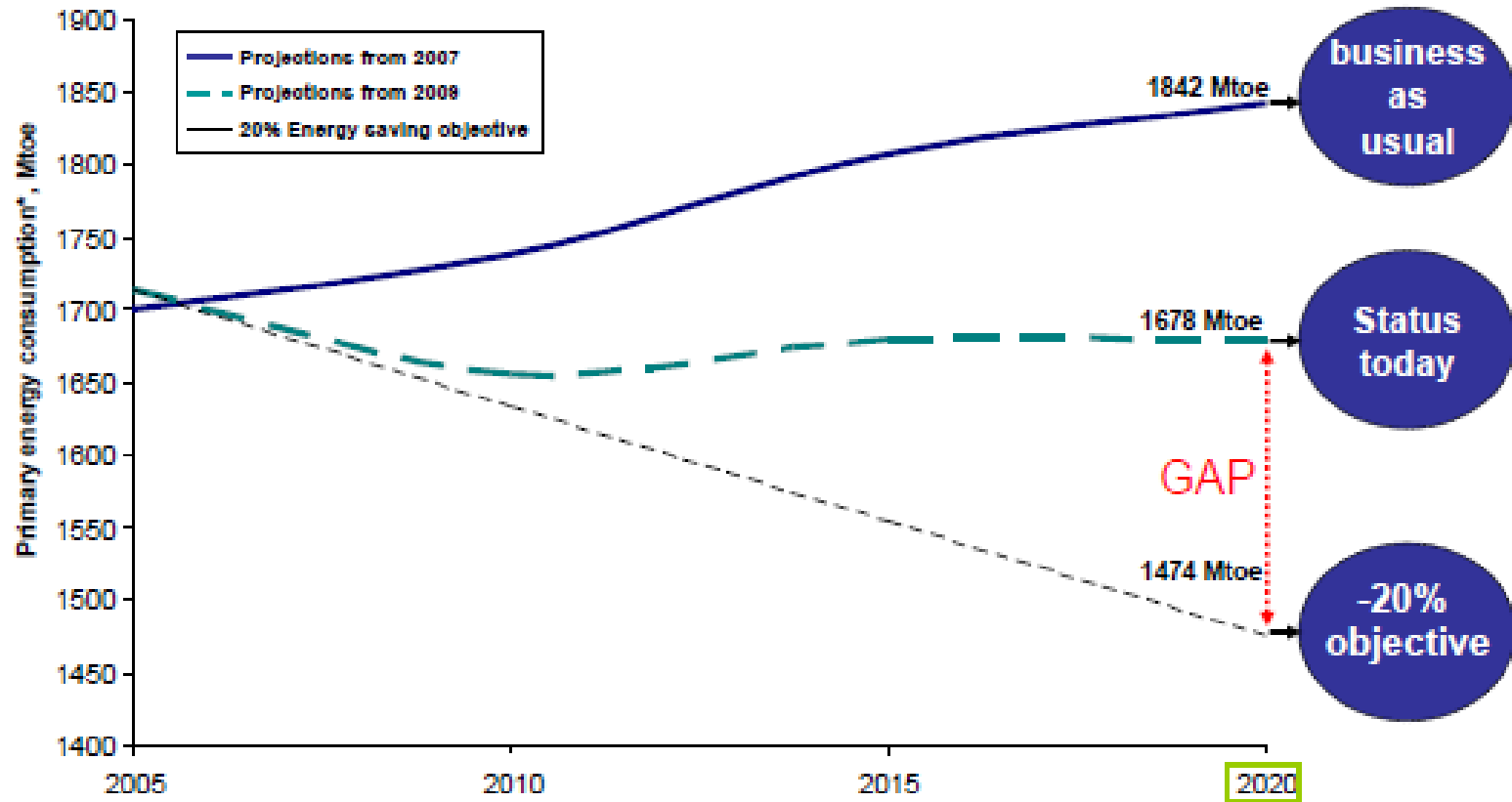
[@EU_ManagEnergy](https://twitter.com/EU_ManagEnergy)

ManagEnergy 45 capacity building workshops by 2015

In 2014-15 focus
on stimulating
implementation of
local sustainable
energy actions



The Energy Efficiency Directive shall bring EU on track to meet it's 20% energy savings target by 2020!



* Gross inland consumption minus non-energy uses

2030 Framework for Climate and Energy Policies

NEW !

- **Reducing greenhouse gas emissions by 40%**
- **Increasing the share of renewable energy to at least 27%**
- **Increasing energy efficiency by 30%**
 - Based on a review of the EED in June 2014. The proposed target builds on the achievements already reached: new buildings use half the energy they did in the 1980s and industry is about 19% less energy intensive than in 2001.

European Energy Security Strategy

- Launched on 28 May 2014 on response to the political crisis in Ukraine and the overall importance of a stable and abundant supply of energy for the EU's citizens and economy
- **Main messages:**
 - Energy security is inseparable from 2030 climate and energy policy framework
 - We need to act now to ensure supplies this winter and in the medium-long term
 - Sustainable energy action at local level is considered key driver (incl. the Covenant of Mayors)



EU Energy Security Strategy

Facts & Figures (1)

The EU **IMPORTS**  of the **ENERGY** IT CONSUMES

costing more than **1 billion € per day**



FOR EACH ENERGY SOURCE the EU imports



42%
OF SOLID FUEL



66%
OF GAS



88%
OF OIL

It imports from **RUSSIA**



39% OF
TOTAL IMPORTED GAS



33% OF
TOTAL IMPORTED OIL

#EnergySecurity

Energy security of supply concerns every Member State.



New Multiannual Financial Framework (2014-2020)

- European Structural and Investment Funds (ESIF): From €27 billion earmarked for the 'transition to a low carbon economy
- The Commission is pushing Member States to replace grants with revolving loans or guarantee funds (for residential retrofit) and energy performance contracts for public and commercial buildings

The programming of how to use the ESIF in Latvia is currently ongoing and is to form an important starting point for promotion of sustainable energy projects

Energy Planning in Denmark

Denmark

- 43,094 km²
- 5.5 million people
- 98 municipalities
- 5 regions, but limited role in the energy field



Danish Energy Policy

- Energy agreement of March 2012: Denmark to be covered 100% by Renewable Energy from 2050
- Milestones:
 - **2020**: Half of the electricity consumption is covered by wind power
 - **2030**: Coal is phased out from Danish power plants. Oil burners phased out
 - **2035**: The electricity and heat supply covered 100% by renewable energy
 - **2050**: All energy supply – electricity, heat, industry and transport – is covered by renewable energy
- 2020: 35 pct. greenhousegas reduction in relation to 1990

Fulfilling the energy policy requires local actions and competent energy advice

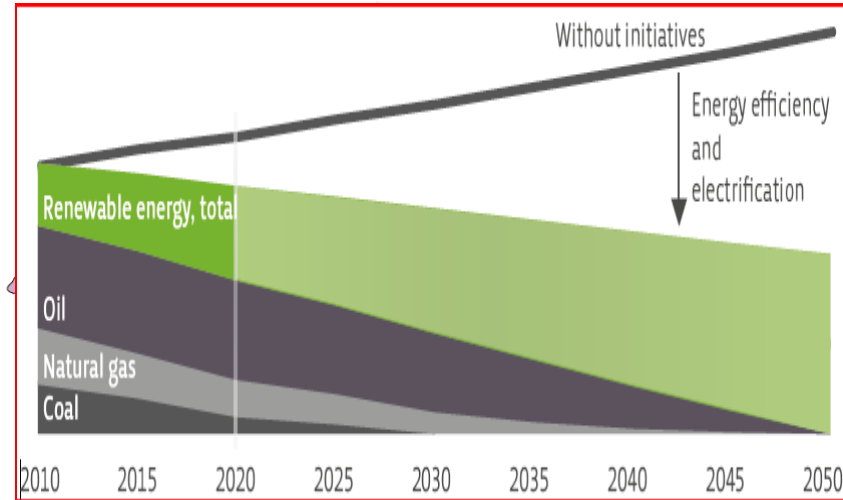
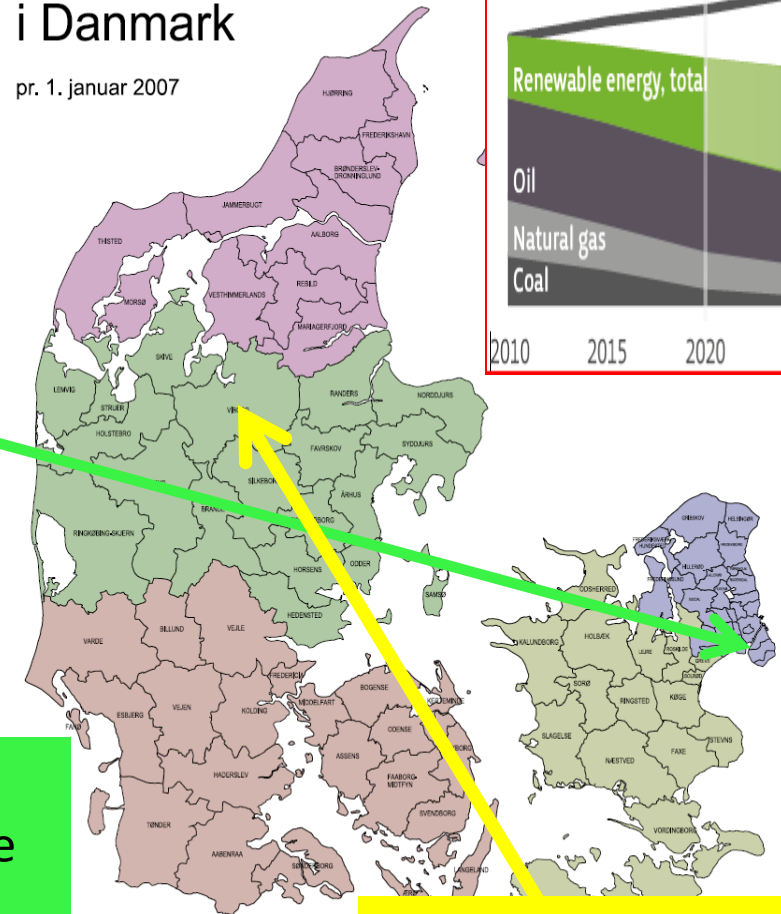
The five Danish regions are in a process on elaborating regional sustainable energy action plans.

Copenhagen is one of the leading municipalities with a goal to become CO₂ neutral by 2025. **Hear more from Cph at this workshop**

Accompanied **with energy advice efforts** to encourage and qualify the sustainable energy actions. **Hear more in the last part of this presentation**

De nye regioner og kommuner i Danmark

pr. 1. januar 2007



Sustainable energy is considered a key driver to create **green growth**

NEW: APLE chose Viborg as host for large data centre, with one main reason it can be 100% covered by RES. 300 work places

Why the municipalities?

Government and municipalities
have to step forward

**The Danish Society for Nature
Conservation's**

“Municipalities of climate”

Covenant of Mayors



The municipalities have the local
network



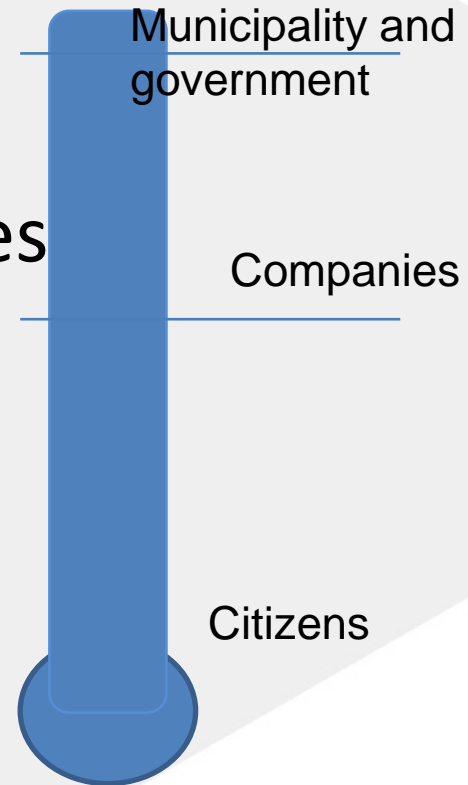
What do they do?

Strategic energy plans

What can they do for them selves

- Energy savings in buildings
- Street light
- Transport

Citizens and companies



Citizens

Knowledge

- Internet and papers
- Lectures

Energy advise

- Events in the local environments
- Energy consultant at the library or municipal
- Energy checks in private houses

Effect

10 energy checks make one job for a craftsman in a year and saves 8.000 kWh / year



Government initiatives

Knowledge

SparEnergi.dk



Proactive - Energy consulting

Better housing - BedreBolig



Purpose of Better Housing

- Promote refurbishment of private owned buildings
- Remove barriers – make it easy and manageable
- Total advising by one actor through the whole process
- Part of the governmental plan of growths”



Potentials of Better Housing

- Total investment until 2050: 60.000.000 euro
- One house = 15.000 euro
- 70.000 euro = 1 job / year



Think energy when you refurbish because:



Less energy consumption and lower heating bills



Climate friendly and at the forefront



Less affected by future cost increases on energy



Increases the value of the property



Better indoor climate



Improvements are partially financed by saved energy costs

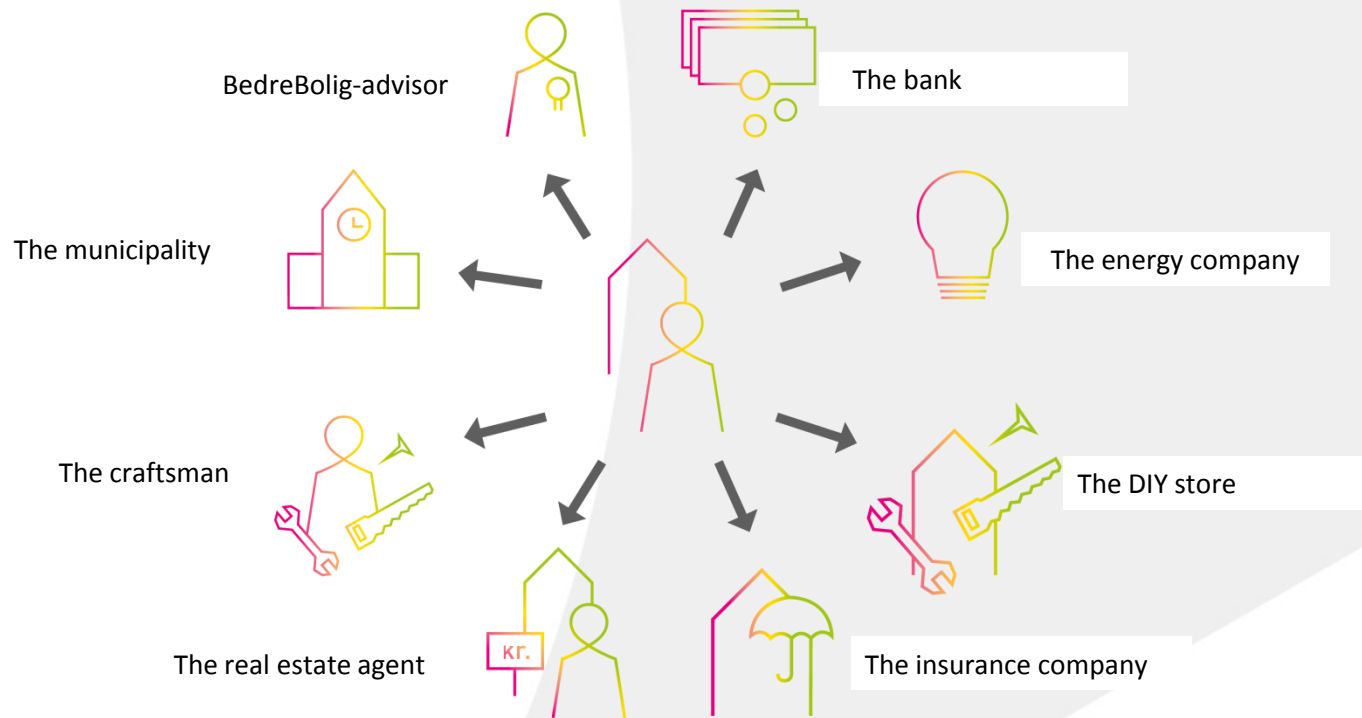
Better Housing service

Better Housing project

- Projecting incl. tender
- Construction management
- Delivery
- 1 year check



Contact points of the house owner



Role of the municipality

- Got the local connections.
- Combining BedreBolig with other local activities and projects

Tasks

- Information about BedreBolig
- Activate the citizens to use BedreBolig
- Recruiting BedreBolig-advicers
- Involving the other actors
- Facilitating locale networks

Sharing Denmark's green know-how

State of Green is an umbrella brand for Denmark as a green nation working to share Danish strongholds across the green landscape with international decision makers and journalists



10 focus areas:

Energy Efficiency, District Heating & Cooling, Intelligent Energy, Bioenergy, Wind, Solar & Other renewables, Water, Climate Adaptation, Resources & Environment, Sustainable Transportation

State of Green
Join the Future. Think Denmark

Thank you for attention !

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