



INFORSE-EUROPE

International Network for Sustainable Energy



INFORSE-Europe Activities

by

Gunnar Boye Olesen

INFORSE-Europe

INFORSE-Europe

Sustainable Energy NGO Seminar

October 6-8, 2010

Centre for Alternative Technologies (CAT), Wales, UK

http://www.inforse.org/europe/seminar2010_CAT.htm



INFORSE-EUROPE

International Network for Sustainable Energy - Europe

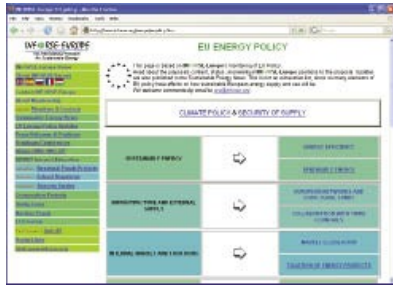
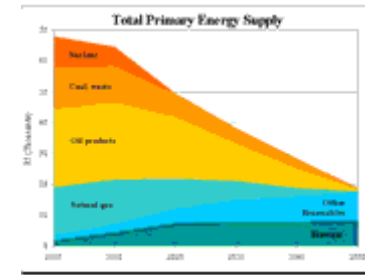
Right Now
October
2010

75 Organisations from 35
European Countries



Current Activities

- EU policies
- Sustainable Energy Visions
- Low Carbon Society Network
- School Activities - SPARE
- DIERET - online education
- Exhibitions (Belarus, Romania, Latvia)
- Climate Negotiations
- Seminars
- Projects etc.



Who is Working ?

- 2-3 employed + 1-2 trainees in Secretariat
- 1 trainee in Brussels
- Coordinator in Slovakia

- INFORSE-Europe supports activities in Belarus, Estonia, Latvia, Lithuania, France, Bulgaria, Romania, Portugal, (PL)
- Active board

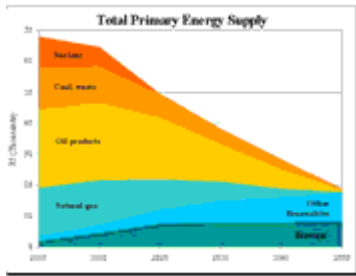




EU Policy

- New EU energy policies, Renewable energy directive, Ecodesign, energy efficiency action plan/strategy, energy poverty, structural funds, budget, industrial emissions, energy service directive, energy performance of buildings directive, development policy, neighbour-policy
- Website & Sustainable Energy News
- Attend meetings in Brussels (mainly trainees)
- Organise seminars (was in April + EUSEW)
- Answer consultations
- Joint proposals with other NGOs
- National activities BG, DK, F, H, Ro, SK, (PL)





Sustainable Energy Visions

- New vision for Hungary, to be published in 2011
- Vision for Estonia, under development
- Vision updates for Belarus, Latvia, Lithuania, Bulgaria
- Vision for Denmark, economic updates
- EU vision, update
- Sustainable energy visions - roadshow
- Posters for exhibitions etc.

School Activities

- Database of education materials online



- SPARE activities:
 - Portugal, re-initiating
 - Bulgaria – support large project
 - (Romania - larger project running)
 - General Promotion: Web School Resources Sustainable Energy News etc.





Climate Negotiations

- Follow Negotiations in Sustainable Energy News
- Participate in COP16 in Mexico
- Involved in project to support other INFORSE regions (Asia, Africa)
- (Climate Country Report CEE – SEE ?)



Projects

- Belarus - Baltic - Nordic project (INFORSE leader): visions, exhibitions, tours DK-S & Lithuania
- South East European NGO Energy Project (Green Action leader): training etc.
- Success Database 
- Collection of best practices of regions (INTERREG project - Nord Pas de Calais)
- Update website, publish Sustainable Energy News 
- New project proposals (South East Europe, Cameroon)

The INFORSE Vision

- Phase out fossil fuel and nuclear power
- Provide everybody with basic energy needs, also the 1 billion that lack basic clean energy for cooking and light today



Vision for Denmark (OVE) 2030

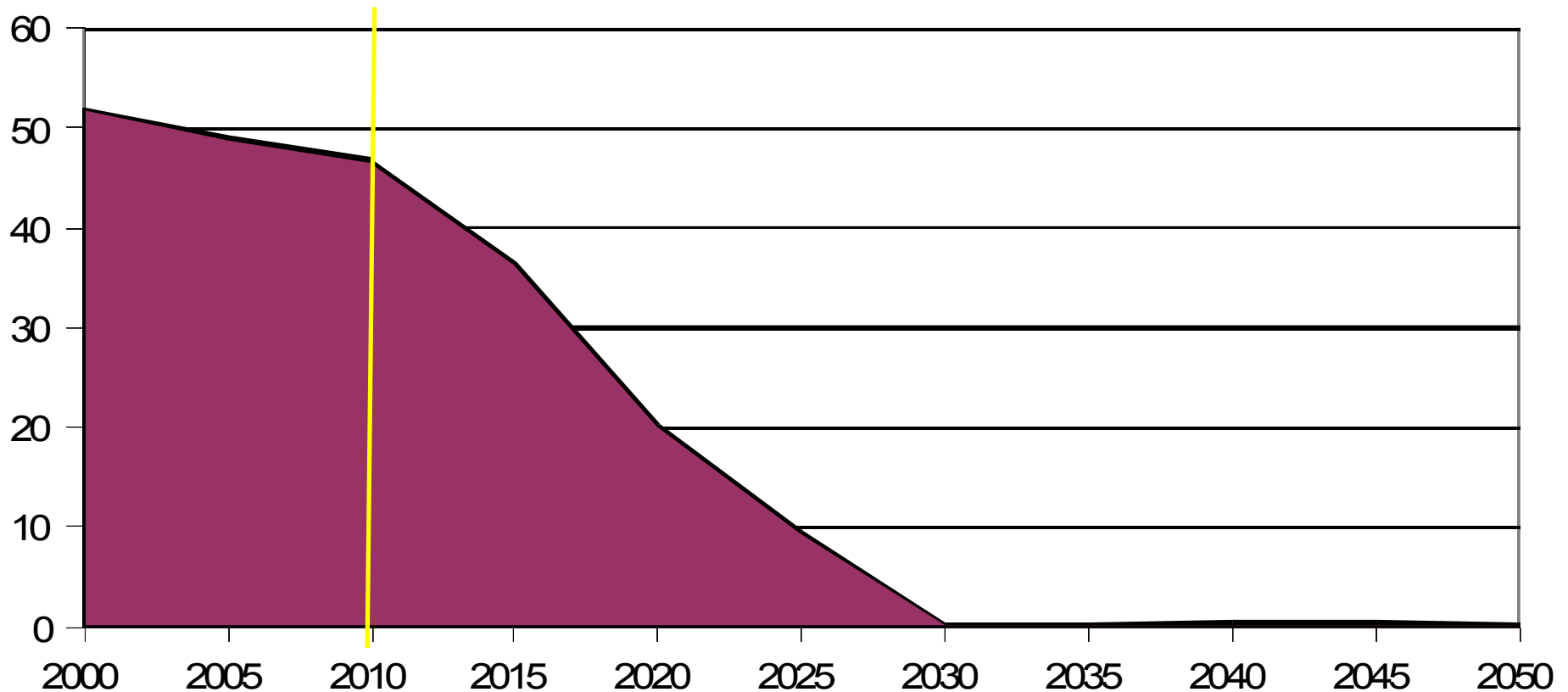
- Strong growth in windpower, sust. biomass
- Reduce specific building consumption 39% to '30
- Reduce specific electricity use, industry 42% to '30
- Flexible energy: district heating, heat pumps, electric cars and hydrogen
- Sustainable transport system, 80% more efficient
- No new international power lines



Energyvision2030:

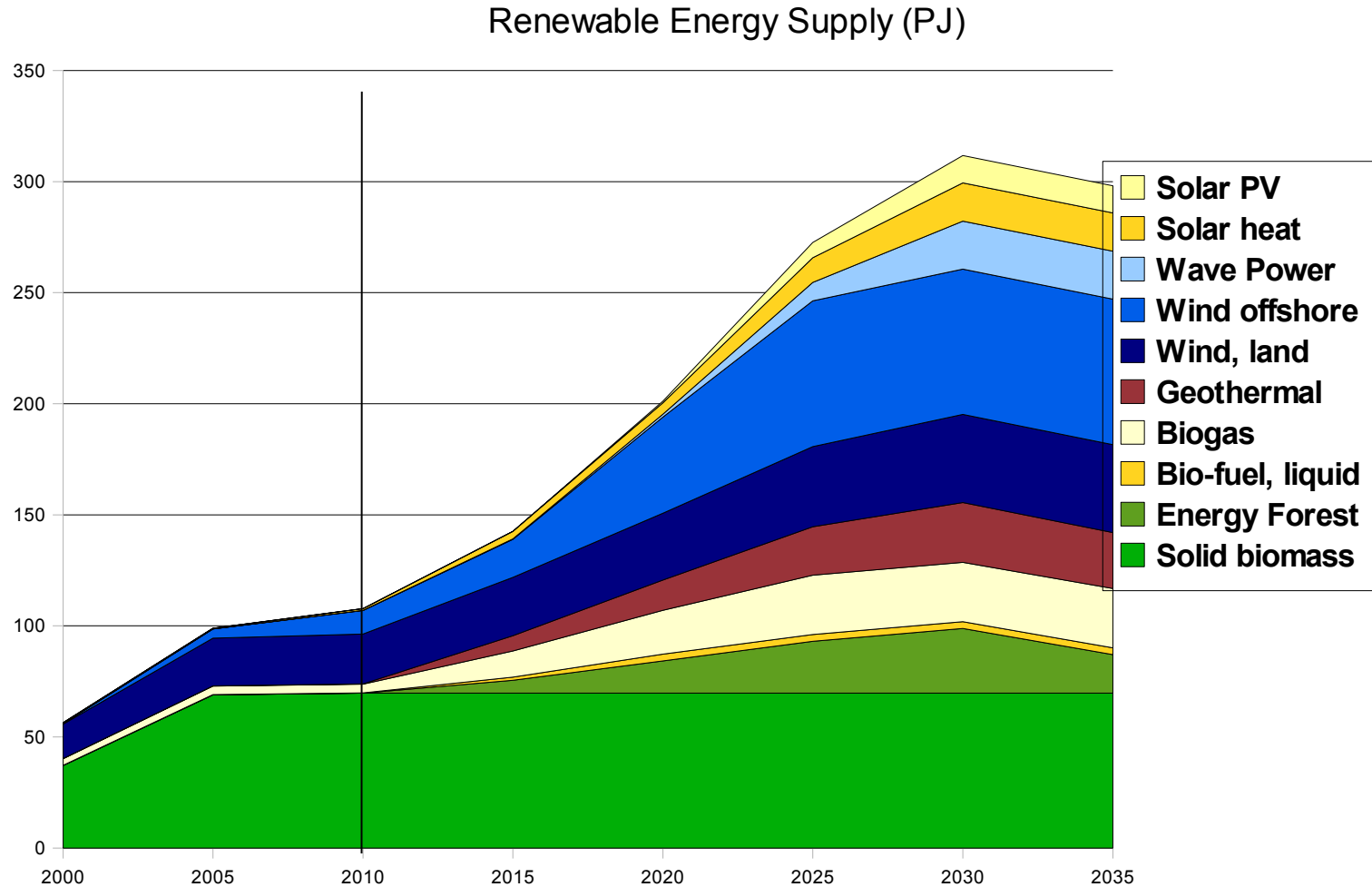
DK CO₂ Emissions from Energy

CO₂ emissions from energy consumption,
million tons CO₂/år



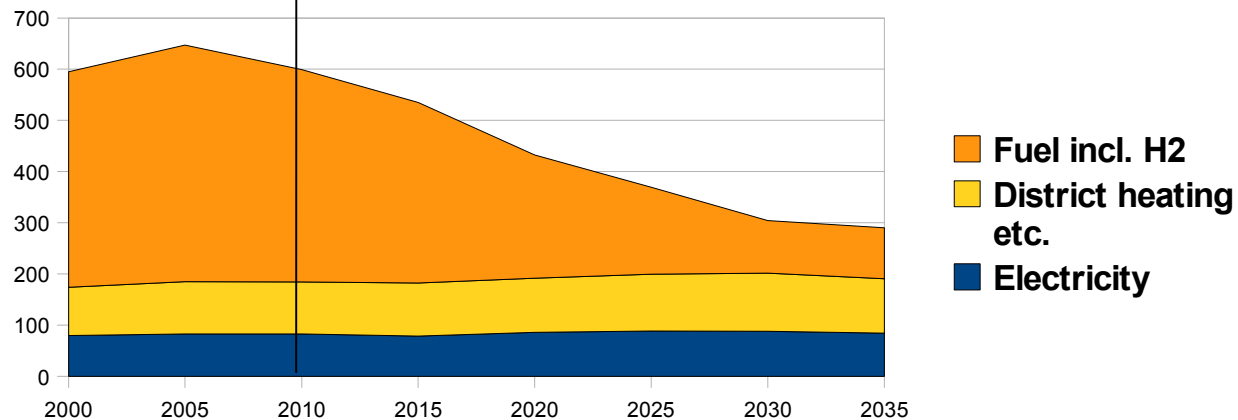
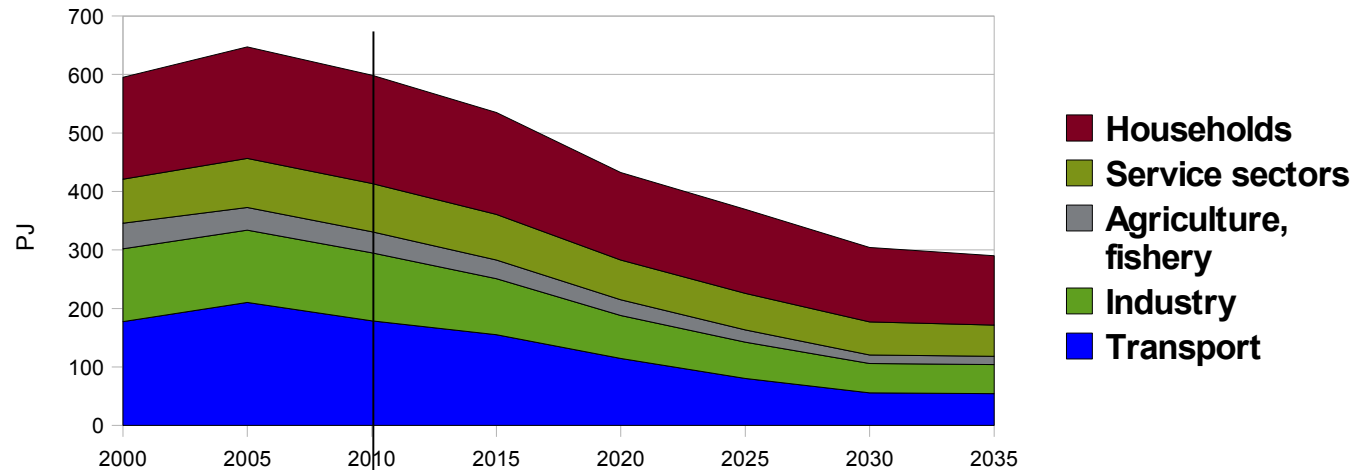
- In total 2 t/capita per year in average 2010 – 2049
= sustainable level

Energyvision2030: Danish Renewable Energy Supply



Energyvision2030: Energy Efficiency

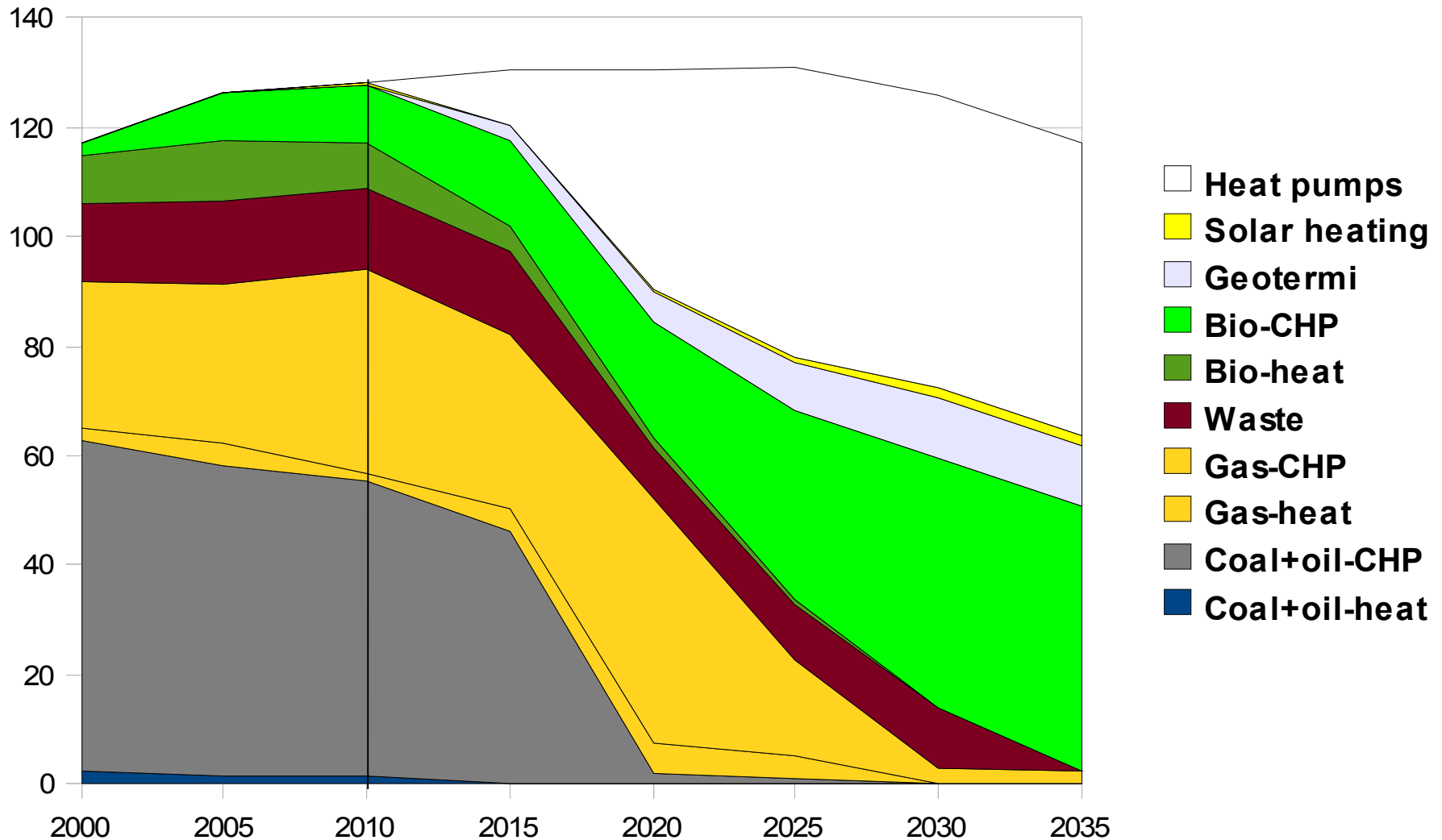
Reduction of Final Energy Use



Energyvision2030:

District Heating = 70% of Heat

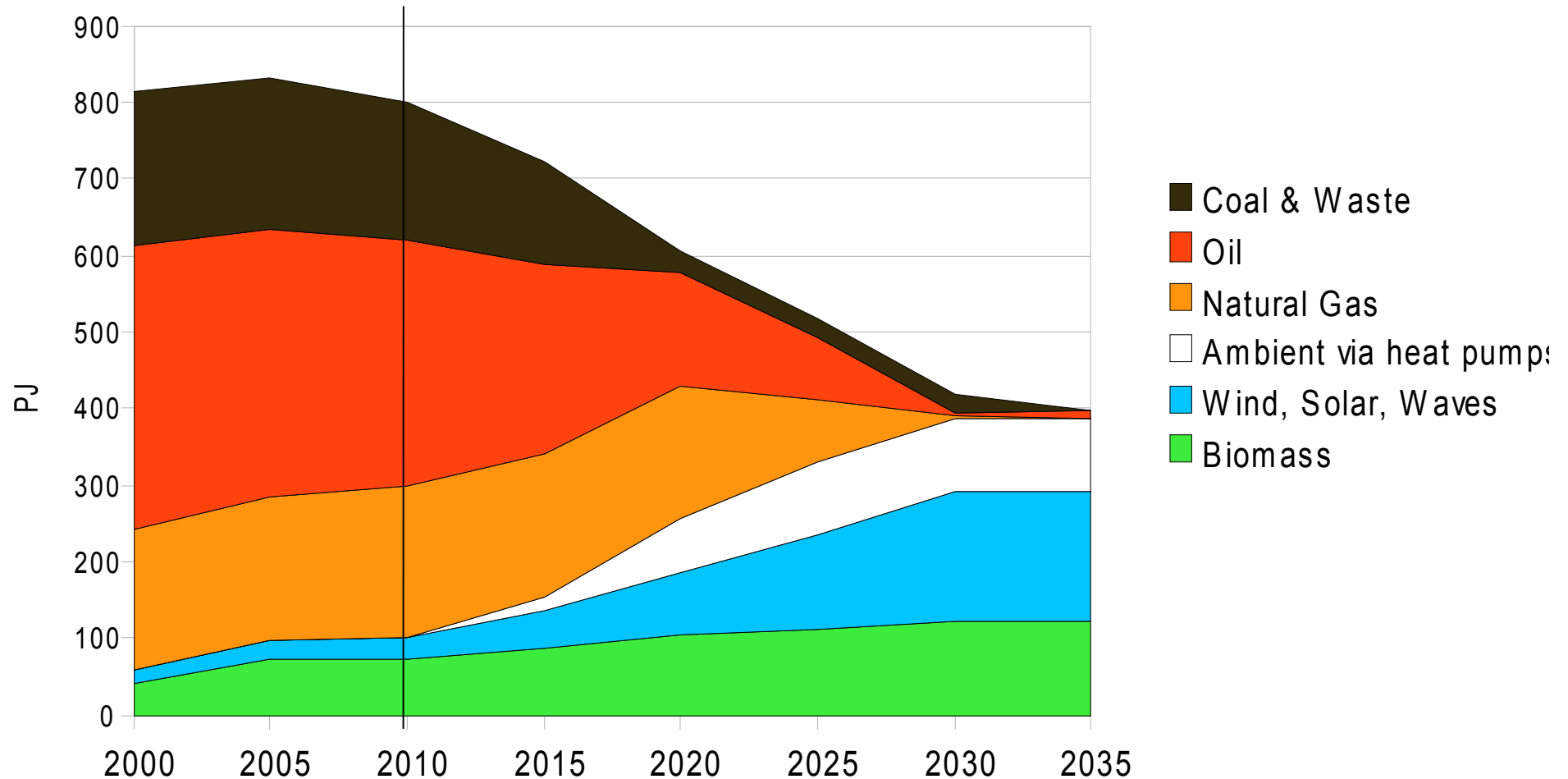
District Heat Supply, Denmark (PJ)



Energyvision2030:

Danish Primary Energy Demand

Danish Primary Energy Supply



Energyvision2030:

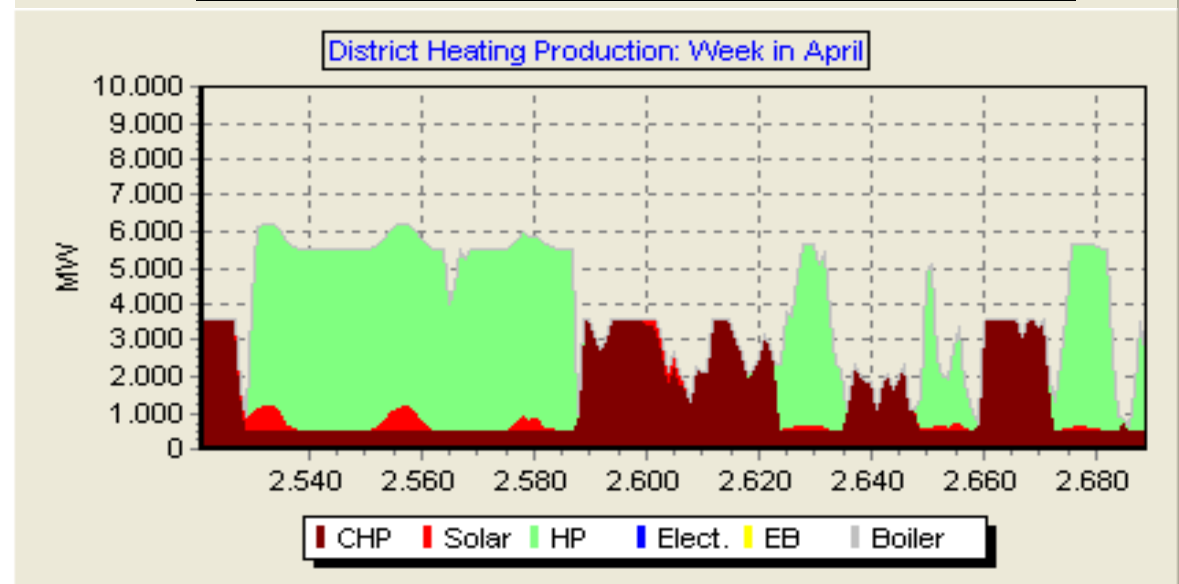
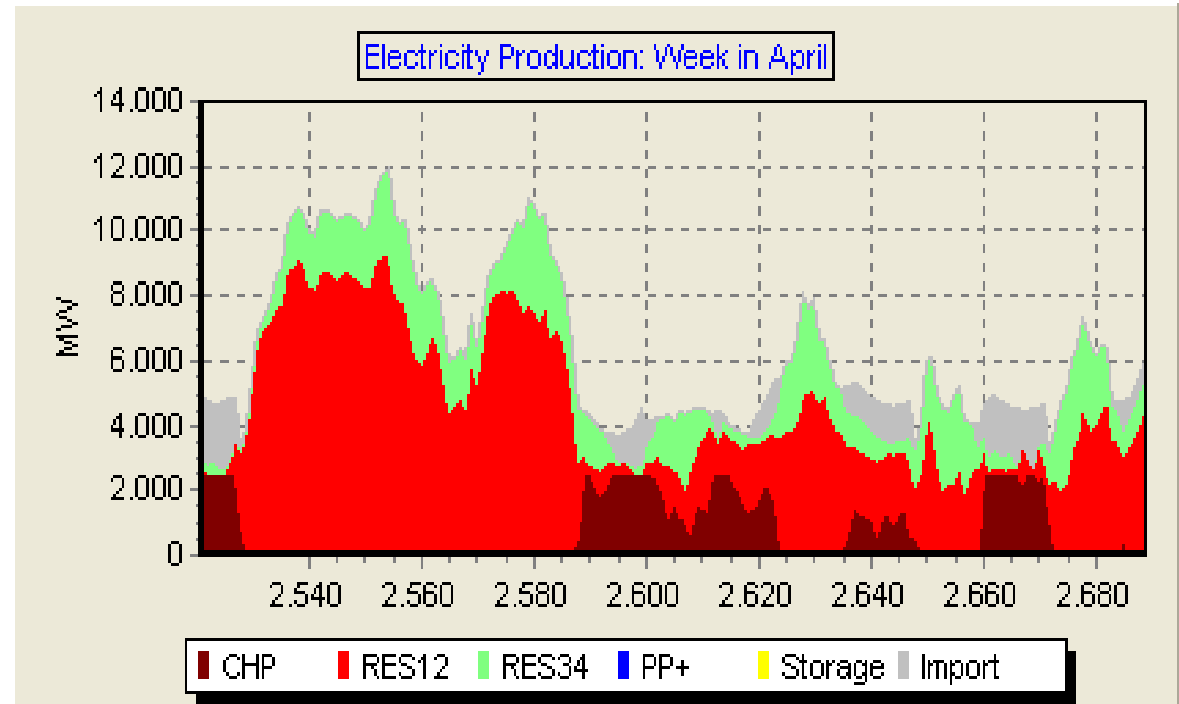
DK System in Balance in 2030

Hourly balances
made with Energy
Plan programme
1% unused
windpower
Existing import/
export lines

RES12 = Wind

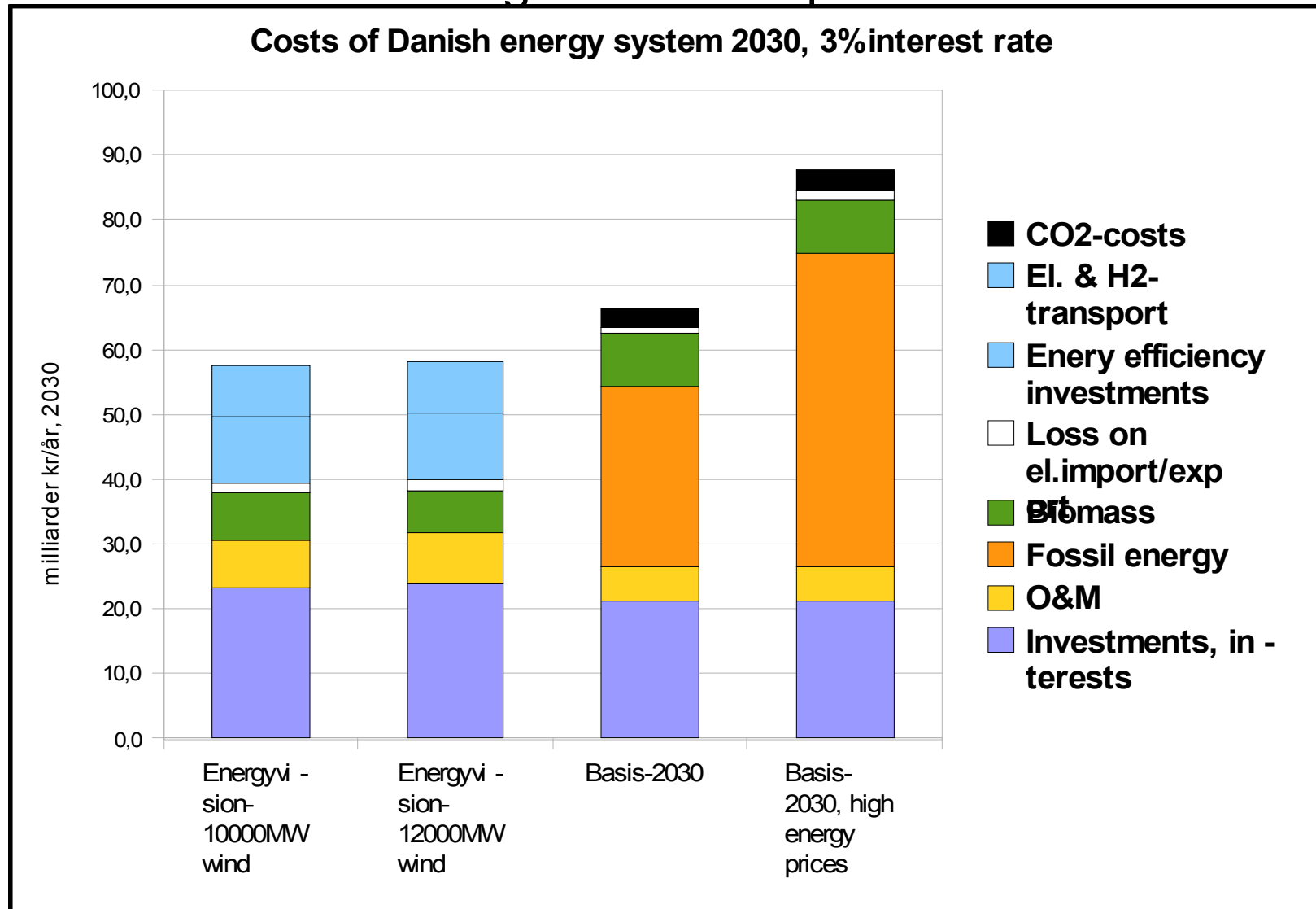
RE34 = wave+PV

CHP incl. geothermal

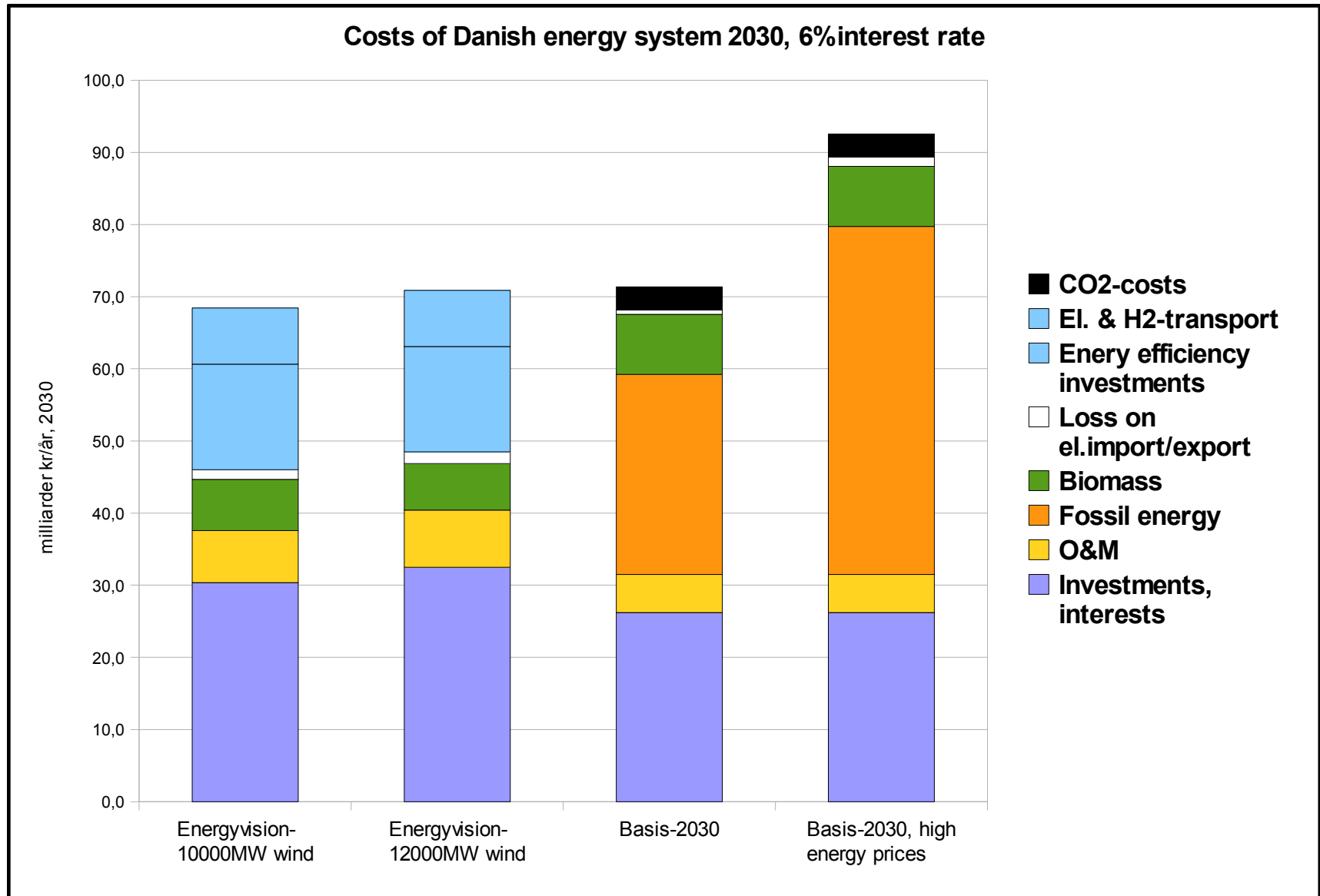


Energyvision2030 & Basis: Costs in 2030

Costs calculated based on Danish national price forecasts, standard and high fossil fuel prices.



Costs with High Interest Rate (6%)



Energyvision2030:

7 Ways to 100% Renewable Energy

