



# European Commission

## AN ENERGY POLICY FOR EUROPE

European Sustainable Energy Policy Seminar, March 20, 2007

Organised by INFORSE, EUFORES, EREF

[www.inforse.org/europe/seminar07\\_BXL.htm](http://www.inforse.org/europe/seminar07_BXL.htm)



Hans van Steen, DG TREN

*The challenges:*

- 
- A photograph showing several industrial smokestacks emitting thick, white plumes of smoke or steam. The smoke rises into a hazy, orange-tinted sky, suggesting a sunset or sunrise. The overall atmosphere is one of industrial activity and environmental impact.
- *Worsening climate change and emissions...*



- *Increasing dependence on imported oil and other fossil fuels...*



A large industrial flare, likely from an oil or gas processing facility, is shown emitting a massive, intense plume of fire and thick black smoke. The fire is bright orange and yellow, extending horizontally across the upper half of the frame. The smoke is dark and billowing, trailing behind the fire. The flare itself is a tall, lattice-structured metal tower that tapers towards the top, where the fire is burning. The background is a cloudy sky with soft, diffused light.

• *Rising energy costs  
and falling competitiveness*



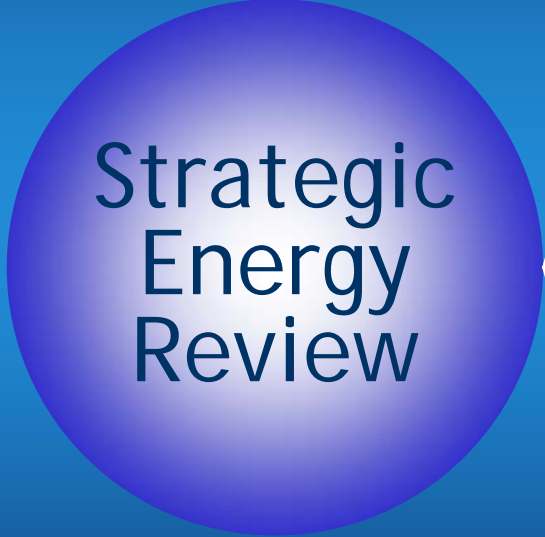
*So sustainability, security  
of supply and  
competitiveness are the  
goals of EU energy policy*



# **The way forward:**

## **An energy policy for Europe**

- **The completion of the single market**
- **Greater Community solidarity in managing energy supply risks**
- **Major reductions in CO<sub>2</sub> emissions**
- **A 20% improvement in energy efficiency by 2020**
- **A 20% renewable energy share of energy consumption by 2020**
- **A low carbon fossil fuel strategy**
- **An international energy policy**



# Strategic Energy Review

The Internal Market Review and  
final conclusions of the Sectoral  
Competition Enquiry

The Action Plan on Energy Efficiency

The long-term Renewables Road Map and  
Renewable Electricity and Biofuels Reports

The Communication preparing a  
Strategic Energy Research Plan

The Priority Interconnection Plan

The Communication on  
Sustainable Fossil Fuels

The Nuclear Illustrative Programme of the  
Commission (Communication on Nuclear Energy)



# **Action Plan on Energy Efficiency**

- I. Dynamic energy performance requirements for energy-using products, buildings and energy services**
- II. Improving energy transformation**
- III. Moving on transport**
- IV. Financing energy efficiency, economic incentives and energy pricing**
- V. Changing energy behaviour**
- VI. International partnerships**

**75**  
**Individual**  
**actions!**





# Action Plan on Energy Efficiency:

## Expected impact:

- **MONETARY SAVINGS:** around 50 billion euros annually by 2012 – this would increase substantially by 2020
- **CARBON EMISSION SAVINGS:** around 780 million tonnes of CO<sub>2</sub>
- **ENERGY SAVINGS:** around 390 Mtoes by 2020
- **GREATER COMPETITIVENESS** for the EU economy



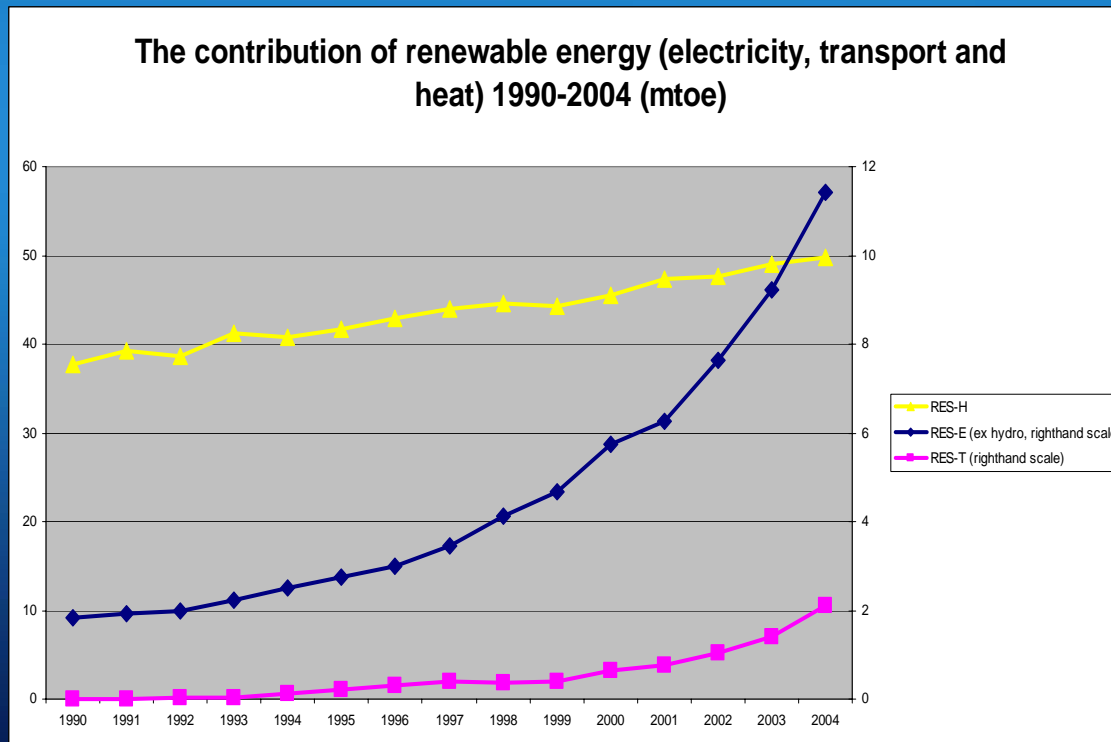
# New Renewables Policy

- Increase share of renewables in EU energy mix from 6.5% today to 20% by 2020;
- Binding overall renewables target for each Member State;
  - Member State National Action Plans, setting share of electricity, heating & cooling and biofuels and policy measures;
  - Minimum 10% biofuels in each Member State.
- **Proposals for legislation on targets and follow-up mechanisms under preparation.**



# Sectoral trends

Differences in the legislative framework for electricity, biofuels, and heating and cooling at EU level are reflected in the development of the three sectors:

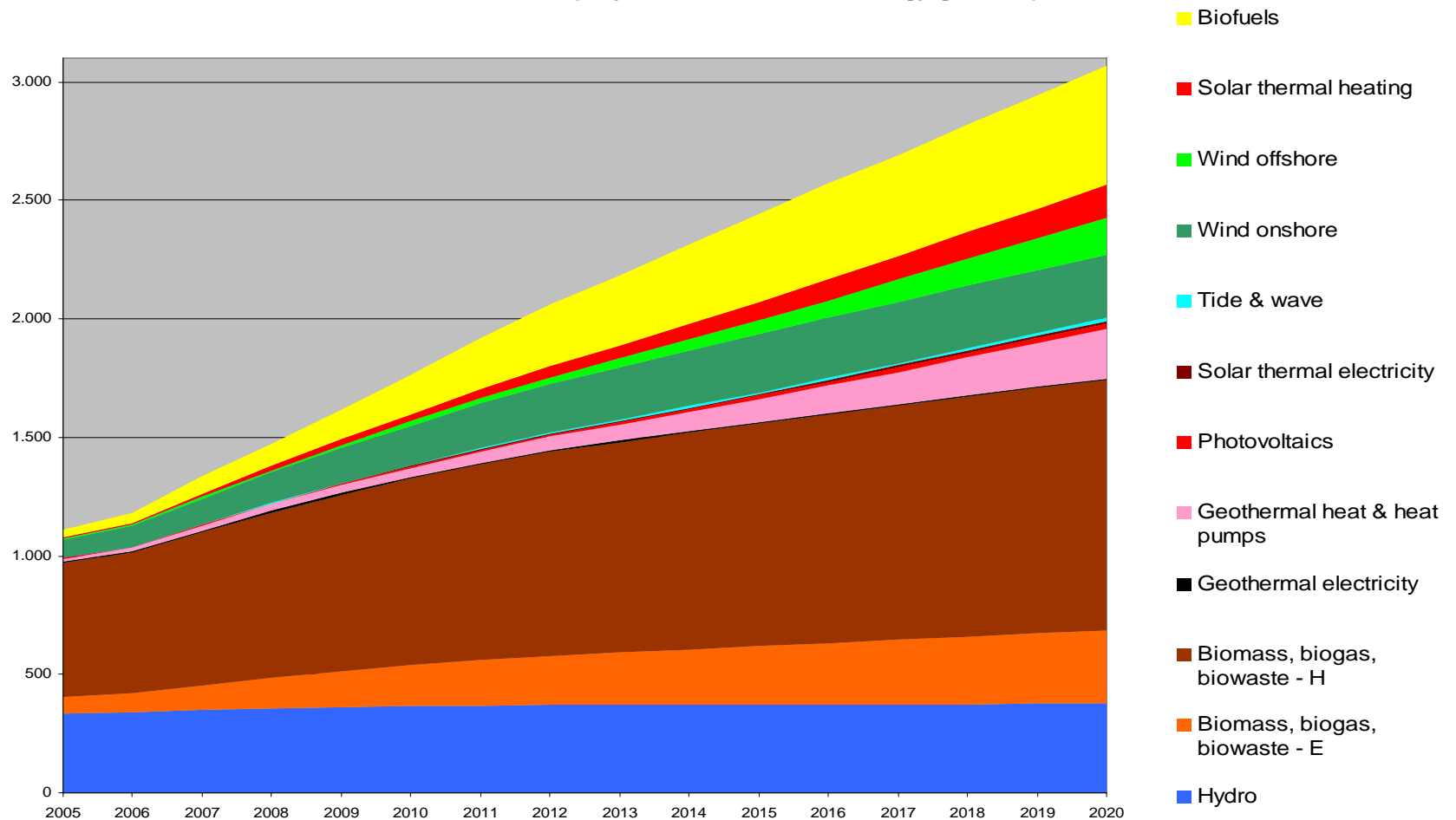


- ✓ Clear growth in electricity
- ✓ The recent start of solid growth in biofuels
- ✓ The slow growth rate for heating and cooling



# How do we get there?

Green X balanced scenario projection of renewable energy growth (GWh, EU25)



# *What next?*

- European Council conclusions endorse
  - the 20% binding renewables target for 2020,
  - a binding 10% minimum biofuels target
- Commission to put forward proposal in 2007





A wide-angle photograph of a field of yellow rapeseed flowers in full bloom. The field stretches to the horizon, with a line of green trees visible in the distance. The sky is a deep blue, filled with soft, white, and grey clouds. The text "Thank you for your attention" is centered in the upper half of the image in a white, serif font.

Thank you for your attention