



# European Commission

## Situation on renewable energies in the EU.

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# European RES Directives

- ✓ **Directive 2001/77/EC on the promotion of electricity produced of electricity produced from renewable energy sources in the internal electricity market**
- ✓ **Directive 2003/30/EC on the promotion of the use of biofuels or other renewable fuels for transport**





## Directive 2001 / 77 / EC

### Promotion of electricity from renewable energy sources through:

- Quantified national **targets** for consumption of electricity from renewable sources of energy
- National support **schemes** plus, if necessary, a harmonised support system
- Simplification of national administrative procedures for **authorisation**
- Guaranteed **access** to transmission and distribution of electricity from renewable energy sources





# Where are we?

## Setting of national targets

- ✓ All EU15 Member States have adopted national targets, in line with the reference values listed in Annex I of Directive 2001/77/EC.
- ✓ The New EU10 have set up national targets published in the Accession Treaty in April 2003.

## The 2010 target

- ✓ If EU-15 Member States meet these national targets, the **2010 target** of about **22%** (21% at EU-25) will be achieved.





## Where we are?

### The Commission assessment report

- ✓ Commission has approved COM(2004) 366 final “The share of renewable energy in the EU”.
- ✓ Commission Staff Working Document SEC(2004) 547: EU-25 country reports
- ✓ **Main conclusion: An important first step has been done, but extra efforts are still needed**





## Will the EU achieve its 2010 RES-E target?

**Currently implemented policies will probably result in a share of between 18% and 19%**

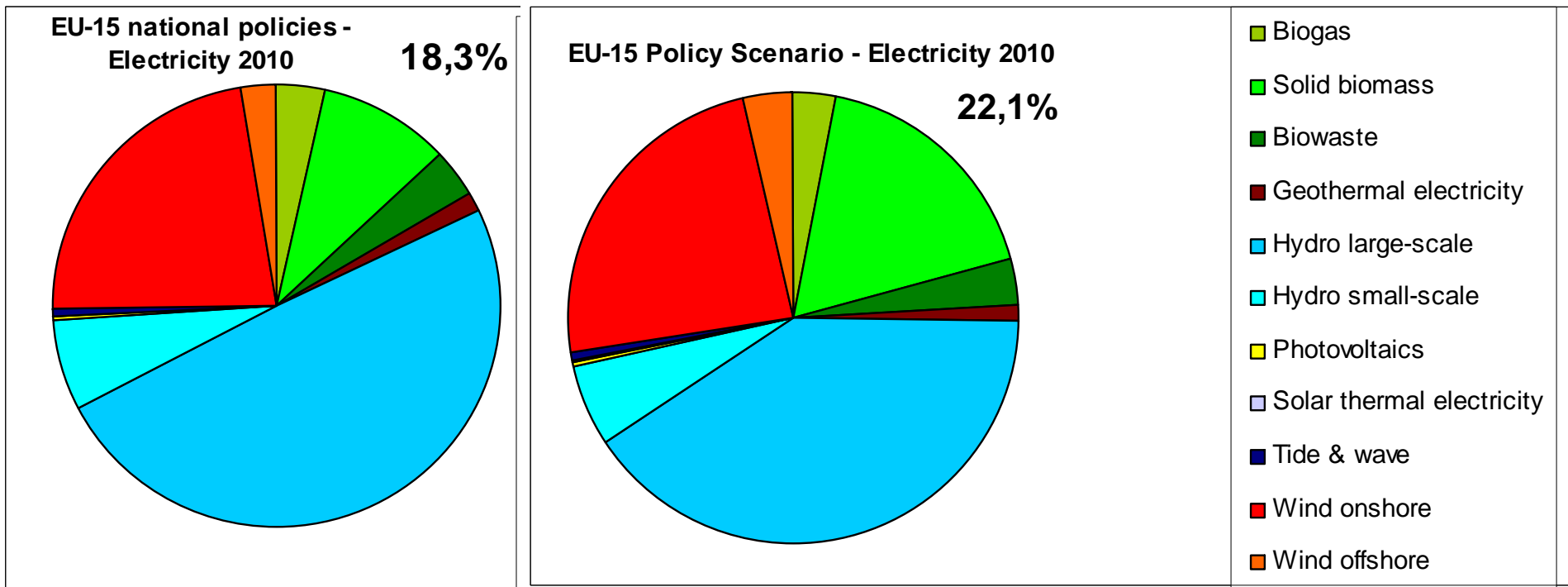
- ✓ **Extrapolation scenarios set out in the Commission Staff Working Document show that Europe is in its half way related to the 2010 target under current policies and measures.**
- ✓ **This is even true if reductions in total electricity demand as a result of new energy efficiency measures is taken into account.**





# Will the EU achieve its 2010 RES-E target?

## RES-E share in 2010 – current national policies vs. practicable scenario





# Explanations

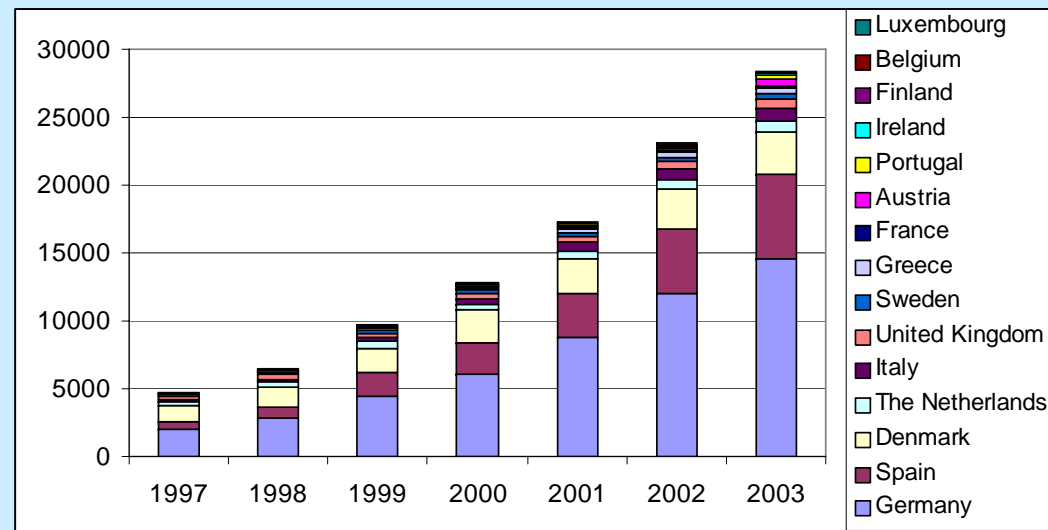
- ✓ **Progress in achieving the national targets differ strongly between the Member States.**
- ✓ **Not all Member States have adopted complementary proactive measures geared to national conditions.**
- ✓ **Success of wind energy is not outweighing the slow growth of biomass electricity.**
- ✓ **Biomass is lagging behind.**





# Wind – the success story

- **Installed wind energy capacity in EU15 grew by around 600% from 1997 to 2003 - in 2003 alone by 23%**
- **In an average wind year this capacity can produce 60 TWh (= around 2.4% of EU electricity consumption)**
- **Germany, Spain and Denmark contribute 84% of total EU15 wind power capacity:**





# Principles of the Biofuels-Directive 2003/30/EC

## Promotion of the use of biofuels for transport through:



- The **Directive** sets a minimum percentage of biofuels to replace diesel or gasoline for transport purposes in each Member State.
- Member States shall ensure by end of 2005 a **2%** minimum proportion of biofuels of all gasoline and diesel fuels sold on their market – by end of 2010 a **5.75%** minimum proportion.
- Biofuels can be made available as:  
pure  
blended in mineral oil derivatives  
liquids derived from biofuels such as ETBE





# The Biofuels-Directive

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This is year, Member States have to implement the Directive. Current level of penetration is 0.6%.

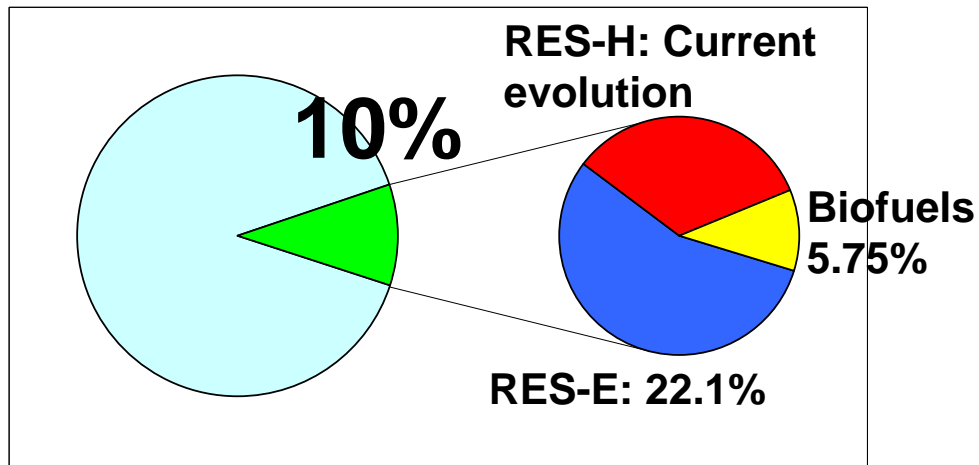
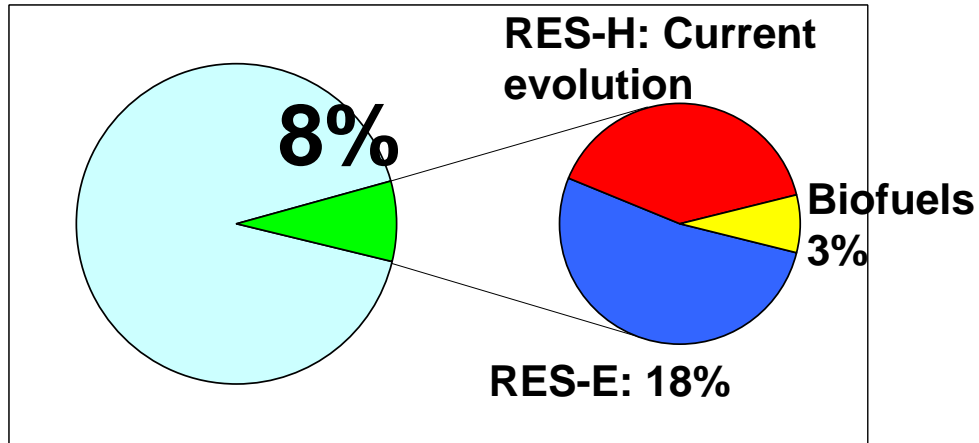
**In 2006 the Commission will:**

- report** to the European Parliament and Council on progress
- **if appropriate** propose to **review the**
- **schedule** for minimum shares of biofuels





# The 12% RES-share in 2010



- If the targets of Directives 2001/77/EC and 2003/30/EC are met, EU will achieve a RES-share of 10% by 2010
- To achieve the 2010 target of 12%, progress in heating & cooling must provide further 2% points.





# Next steps-New Actions

COM(2004) 366 final

- **A Community action plan for biomass**
- **Developing renewable energy actions in heating & cooling**
- **Offshore wind policy**
- **Electricity from solar energy**
- **Research and technological development**
- **Future Financial Perspectives**
- **Using major Community financing instruments  
Structural and cohesion funds, second pillar of the CAP**
- **Placing biofuels on the market**





## Community plan for biomass

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To reinforce the effective use of biomass for energy purposes, by the end of 2005, the Commission will bring forward a coordinated biomass plan with clear approach to securing adequate supplies of biomass through European, national and regional/local action.





# Next steps-2020 target

COM(2004) 366 final

- **The Commission acknowledges the importance of providing a longer term perspective.**
- **Before setting new targets, the Commission considers it necessary to more thoroughly assess the impacts of RES.**
- **The Commission will carry out regular reviews of progress in the development of renewable energy sources.**
- **Review will be carried out not later than the end of October 2005.**
- **In 2007, setting of a target for the period after 2010.**





# Where to find info

**EUROPA:**

**[http://europa.eu.int/comm/energy/res/legislation/electricity\\_en.htm](http://europa.eu.int/comm/energy/res/legislation/electricity_en.htm)**

