



EU policy framework for biomass and biogas

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● Energy Roadmap 2050 (October 2011)

- » Support transition to low-carbon energy system in 2050
- » Focus on energy security, competitiveness as well as decarbonisation, throughout transition
- » Identify potential of a European approach
- » Identify main issues from long term perspective likely to come onto EU's energy policy agenda in coming years
- » Support from scenario analyses – but scenarios cannot be read as policy **options**

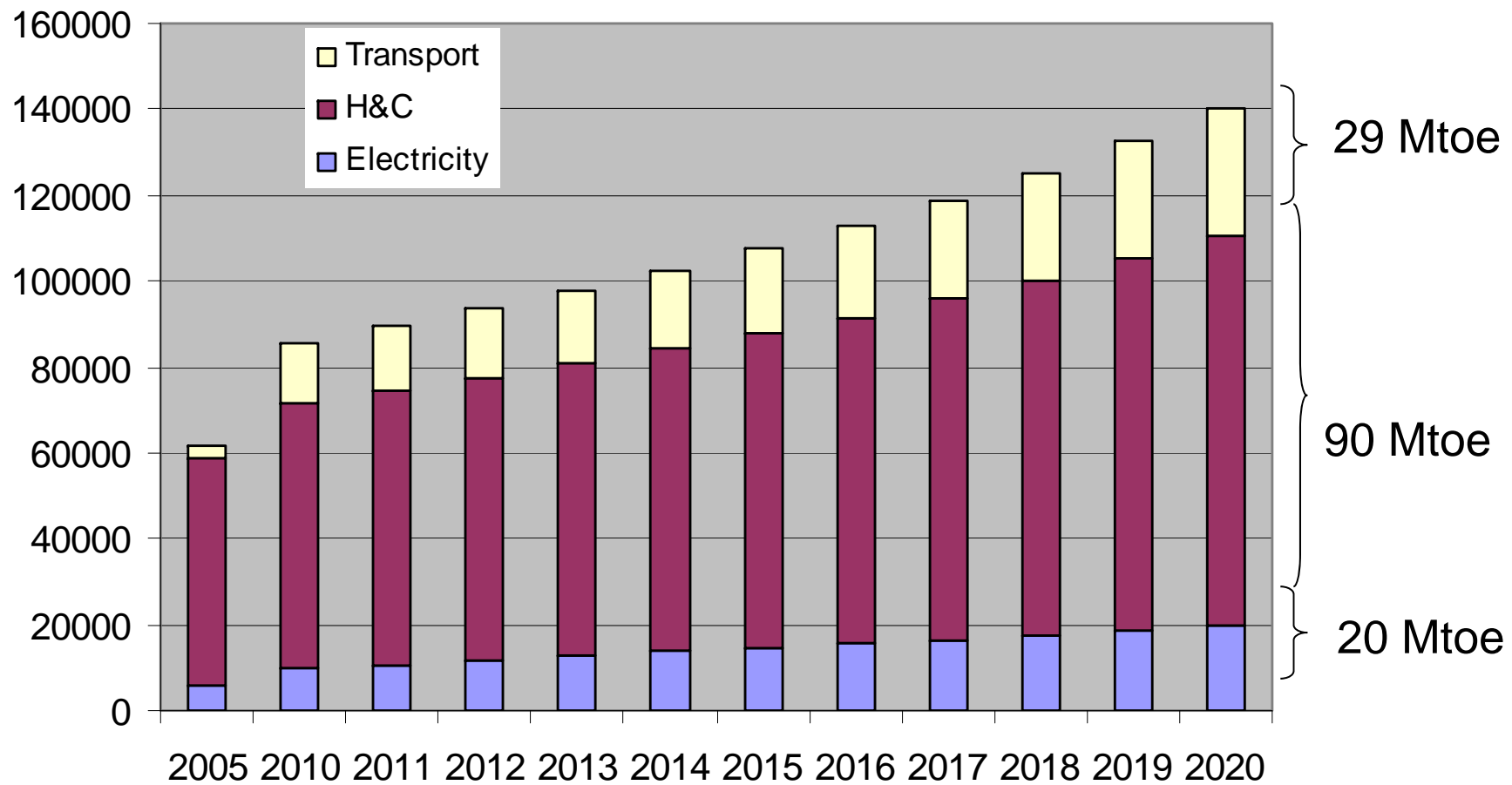
● Renewable Energy Directive (2009/28/EC)

- Part of the EU climate and energy package
- A single, comprehensive Directive to achieve 20% renewable energy in the 2020 EU final energy consumption
 - » Combat climate change
 - » Security of energy supply
 - » Green jobs and innovation
- Mandatory renewable energy target for each Member State
- Specific 10% target for renewable energy in transport
- Biofuel sustainability scheme

National Renewable Energy Action Plans - Estimates

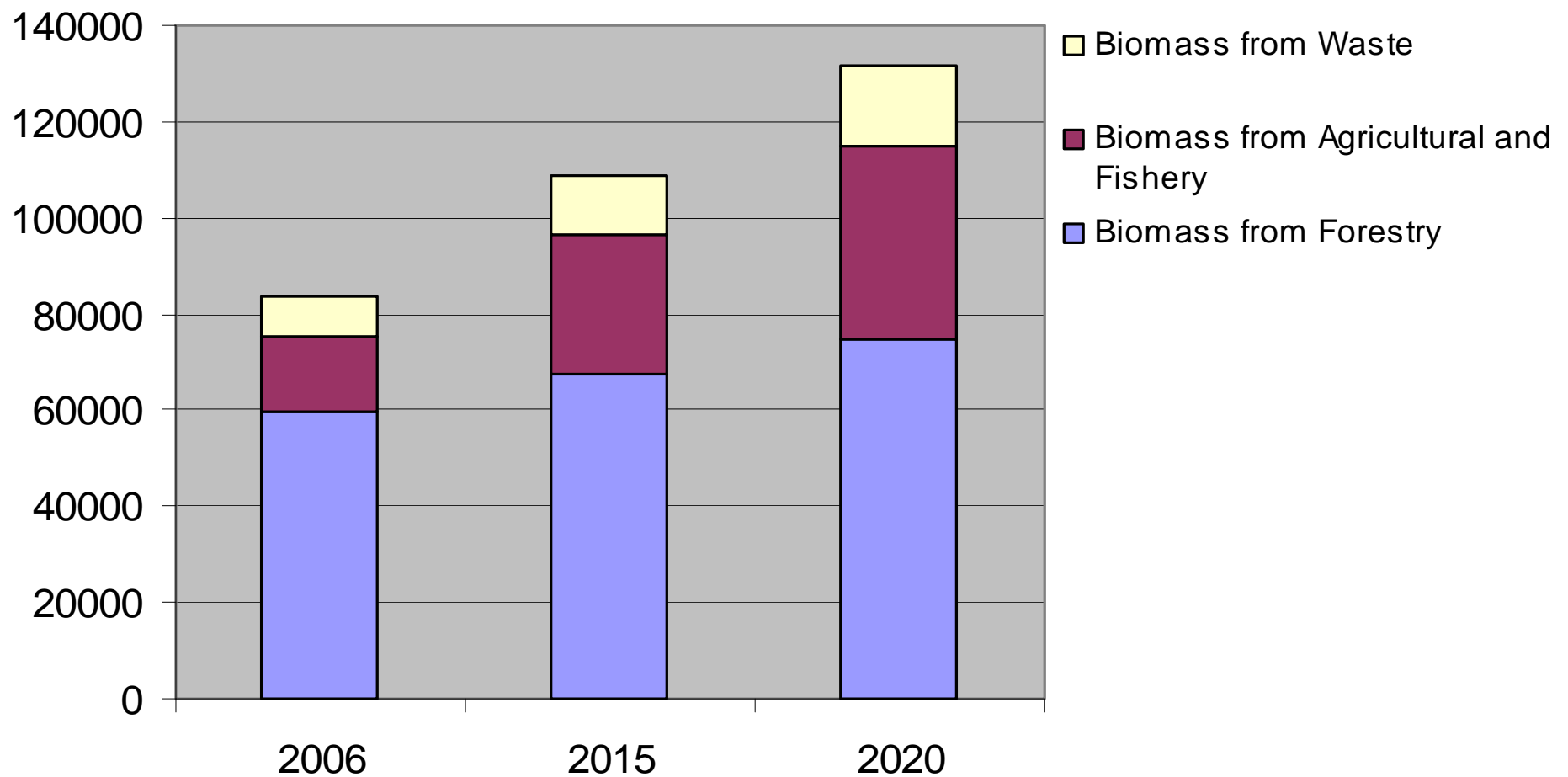
- Planned growth to 2020 leading to 20.6% by 2020
- ½ of Member States to exceed their national targets; 2 MS will partly rely on imports using cooperation mechanisms
- Total renewable energy consumption will double from 99 Mtoe (2005) to 245 Mtoe (2020)
- Combined EU renewable energy shares in the 3 sectors in 2020 (projections):
 - Electricity from renewable sources – 34%
 - Heating & cooling from renewable sources– 21.5%
 - Transport from renewable sources– 11%

Biomass growth in EU final energy consumption (Mtoe)



Source: 27 NREAPs

Sources of EU biomass energy supply (Ktoe)



Source: 25 NREAPs

2006: domestic biomass + imported biomass – exported biomass

2015 and 2020: domestic biomass

● EU biofuels sustainability criteria

- No conversion of land with **high carbon** stock
 - » Continuously forested areas, wetlands, peatlands
- No raw material from land with **high biodiversity** value
 - » Primary forest, nature protection areas, highly biodiverse grasslands
- **GHG saving** of at least 35% (50%-60% from 2017/18) compared to fossil fuel
 - » Calculation methodology and ‘default values’ included
- Have to be met in order to:
 - » **Count** toward the targets (10% and the ‘20%’)
 - » **Count** toward obligations (put on suppliers)
 - » Be **eligible** for financial support (for their consumption)

● Recognition of voluntary certification schemes

- The Commission is in dialogue with about 30 initiatives
- 16 schemes submitted to the Commission
- 7 schemes likely to be recognized by early Autumn
- 9 other schemes under evaluation

● Sustainability of solid and gaseous biomass

- The introduction of sustainability criteria is left at the discretion of Member States
- EU recommendation to use national sustainability criteria similar to those mandated for biofuels and bioliquids
- Waste exempted from GHG saving recommendation
- Energy installations below 1 MW exempted from recommendation
- Review of by the end of 2011

● Ongoing work for the review

- **External study** on benchmarking biomass sustainability criteria for energy purposes, impacts of national vs European approach on biomass costs and availability
- **Public consultation** (ended 29 March): around 160 contributions received
 - » Impacts of biomass imports
 - » Impacts of recent policy developments
 - » Impacts of national / regional sustainability rules
 - » Need for EU additional measures
 - » http://ec.europa.eu/energy/consultations/index_en.htm

● **Public consultation- key messages**

- **Biomass imports** will increase and raise additional sustainability issues
- **National vs EU criteria** – problematic for an increasing number of stakeholders, enough for others
- **Consistency/coherence** needed between biofuels/biomass, call for sustainable forest management requirements
- **Application of criteria** – diverging views:
 - » Criteria for all energy producers regardless of their size (NGOs, biofuel industry)
 - » Criteria for all energy producers exempting small biomass producers <1MW
 - » Binding criteria only for energy producers above 20 MW capacity (Small producers)

● Thanks for your attention

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- http://ec.europa.eu/energy/renewables/index_en.htm