



Promotion of solid biomass for energy in the Intelligent Energy - Europe Programme

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About EASME

- **Executive Agency for Small and Medium-sized Enterprises**
- From 01 January 2014, **EASME** replaces EACI (Executive Agency for Competitiveness and Innovation)
- The Executive Agency has been set-up by the European Commission to manage EU programmes under Commission control and responsibility
- <http://ec.europa.eu/easme/>

EASME

Executive Agency for Small and Medium-sized Enterprises

The EASME manages programmes on behalf of the European Commission, turning EU policies into action.

European Commission

Enterprise Europe Network
@EEN_EU

COSME the EU programme for the Competitiveness of SMEs € 0.8 BN*

Horizon 2020 SME Instrument
@H2020SME € 3.1 BN*

Horizon 2020 Energy Efficiency
@H2020EE € 0.8 bn*

EU Sustainable Energy Week (EUSEW)
@euenergyweek

Intelligent Energy Europe (IEE)

LIFE the EU Programme for the Environment and Climate Action
@LIFE_Programme € 3.1 BN*

The European Maritime and Fisheries Fund (EMFF) € 0.34 BN*

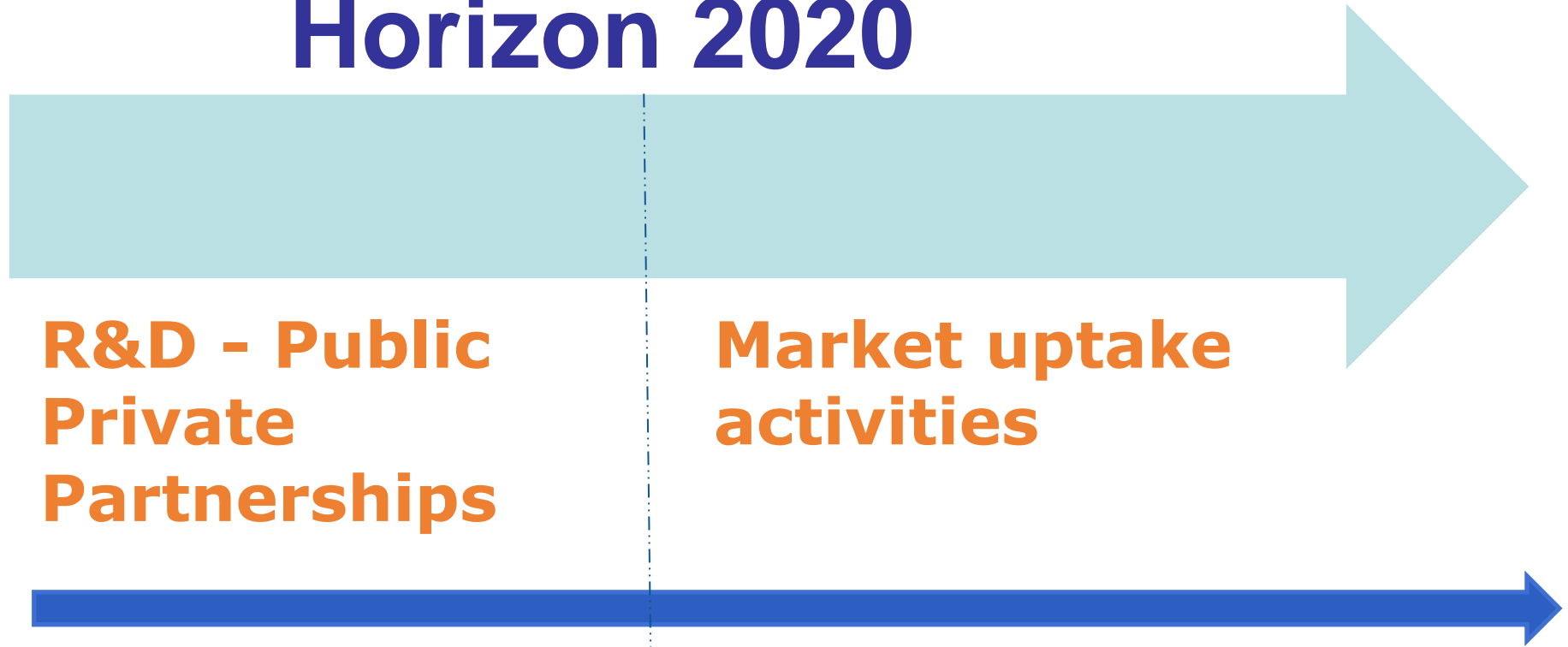
Horizon 2020 Climate action, environment, resource efficiency and raw materials
@EU_ecoinno € 2.7 BN*

Sustainable Industry Low Carbon II (SILC II)

Programmes managed by EASME

- Part of **Horizon 2020**, in particular:
 - **Parts of the 'Societal Challenges' pillar:**
 - ✓ The Energy Efficiency part of 'Secure, Clean and Efficient Energy';
 - ✓ The fields on waste, water innovation and sustainable supply of raw material under the challenge 'Climate action, Environment, Resource Efficiency and Raw Materials'
 - ✓ The SME instrument
 - **Some areas of the 'Industrial leadership' pillar:**
 - Part of 'Leadership in Enabling and Industrial Technologies' (LEIT)
 - The Sustainable Industry Low Carbon Scheme (SILC II)
 - Innovation in SMEs
- The EU programme for the **Environment and Climate action (LIFE)**
- Most of the EU programme for the **Competitiveness of Enterprises and Small and Medium-sized Enterprises (COSME)**
- The **European Maritime and Fisheries Fund (EMFF)**
- **The legacy of the Intelligent Energy – Europe programme and the Eco-innovation initiative**

Horizon 2020



**R&D - Public
Private
Partnerships**

**Market uptake
activities**

FP 7

***First
application***

***Intelligent Energy
Europe***

The IEE II in a nutshell



INTELLIGENT
ENERGY
EUROPE
FOR A SUSTAINABLE FUTURE



- €730 million from 2007-13
- Encourages the uptake of proven intelligent energy solutions
- not 'hardware' investments or R&D
- 3 fields of action – energy efficiency, renewables and energy in transport

http://ec.europa.eu/energy/intelligent/index_en.htm

Intelligent Energy - Europe: Delivers on ...



- > Creating favourable market conditions
- > Shaping policy development and implementation
- > Preparing the ground for investments
- > Building capacity and skills
- > Informing stakeholders and fostering commitment



Structure of the IEE Bioenergy key action

> Strategic initiatives



> Solid biomass supply chains



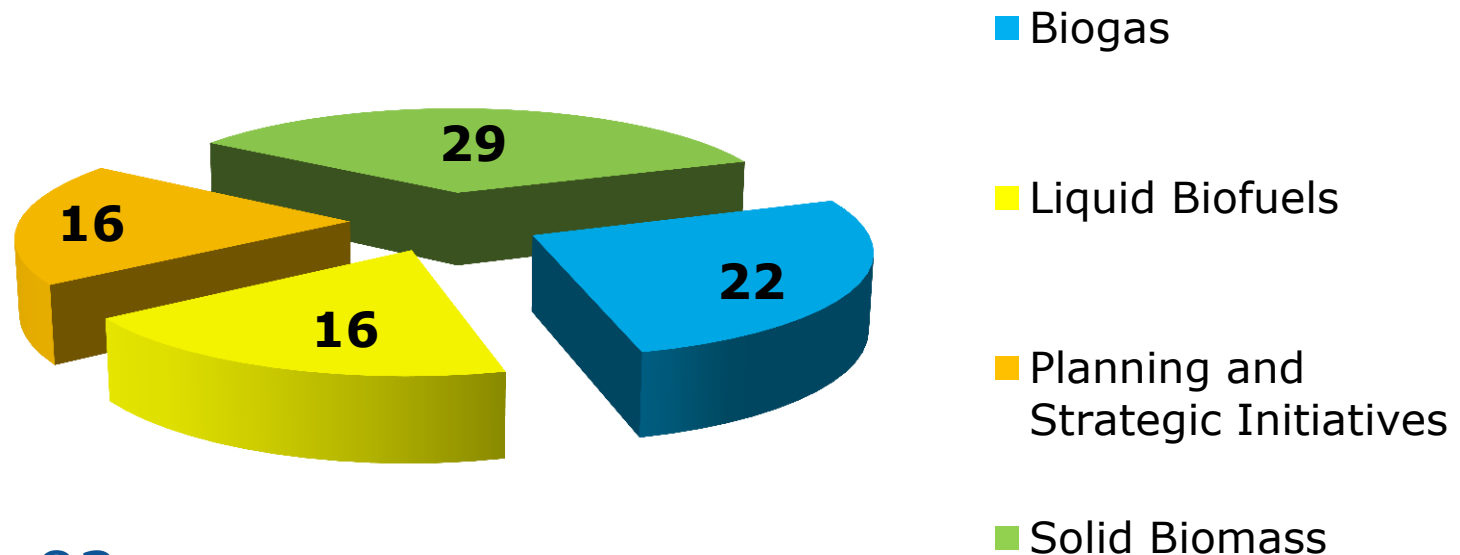
> Liquid biofuels supply chains



> Biogas supply chains



IEE Bioenergy projects (Calls 2003-2013)



Total: 83

More information in the projects database:

<http://ec.europa.eu/energy/intelligent/in-action/projects-stories/>

Solid Biomass

Supply chains development



Support biomass trade & markets



Integrated supply chains



Symbiotic bio-Energie Port Integration with Cities by 2020

Planning and Strategic Initiatives

Regional Planning



Policy support



Review of IEE-II bioenergy projects (1/7)

Service contract to assess impacts and achievements of 47 bioenergy projects supported under IEE II (2007-2013)

Service provider: Ricardo Energy & Environment

47 bioenergy projects (Funding: € 48.3 m)

18 solid biomass projects (Funding: € 17.5 m)

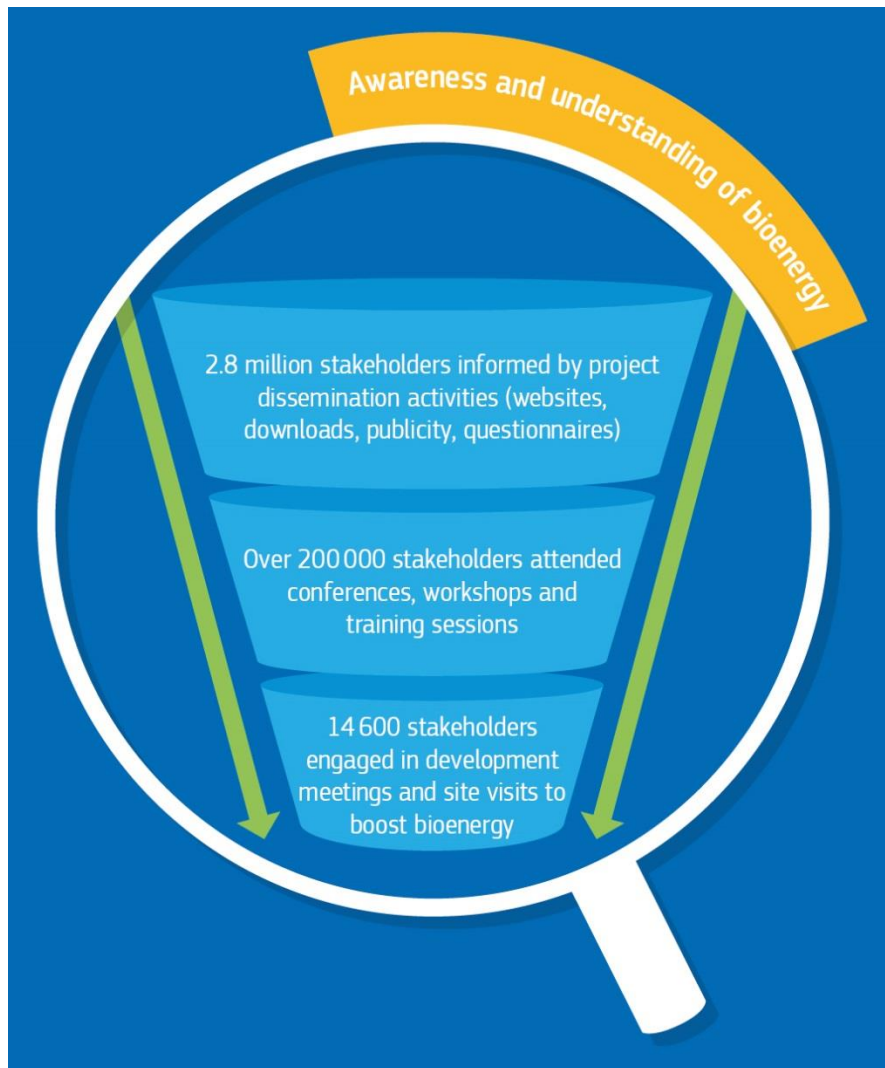
14 biogas projects (Funding: € 16 m)

6 liquid biofuels projects (Funding: € 5.2 m)

9 strategic projects (Funding: € 9.6 m)

Review of IEE-II bioenergy projects (2/7)

Barrier: Lack of information and experience



Review of IEE-II bioenergy projects (3/7)

Barrier: Lack of information and experience

IMPACTS

Progress towards implementation



443
Business
plans

1 536
Feasibility
studies

236
Supply chains
across Europe

Investment triggered by 2016

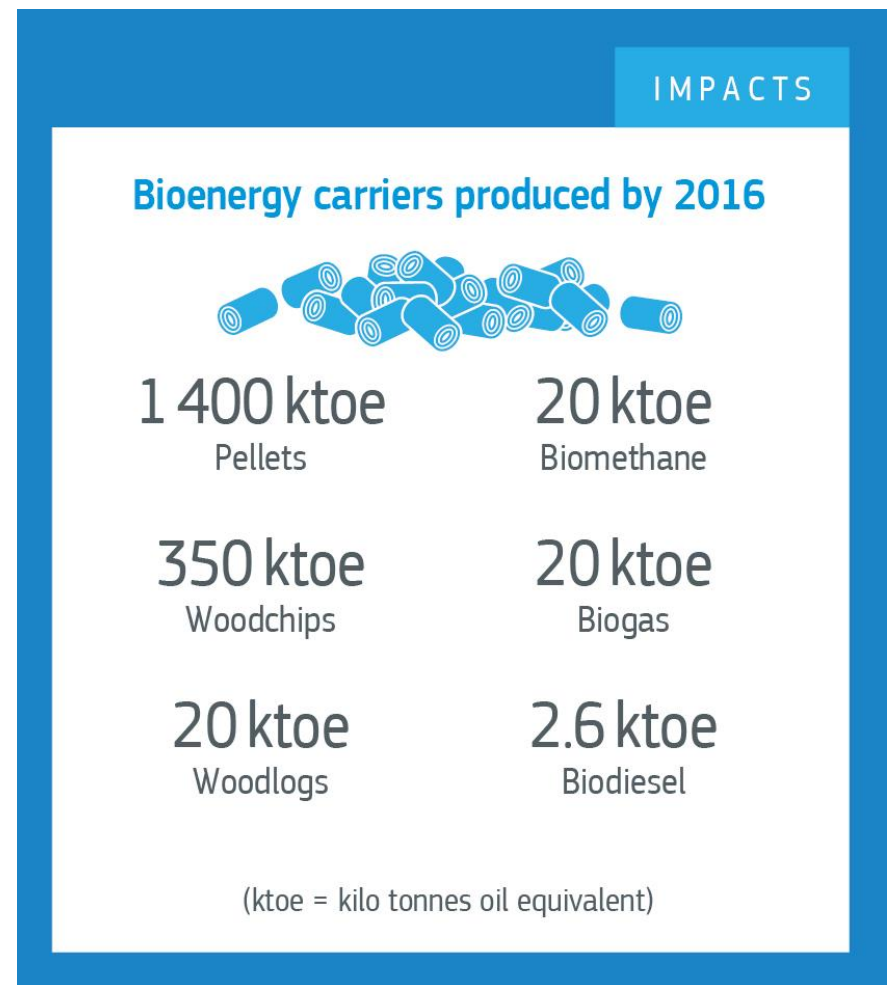
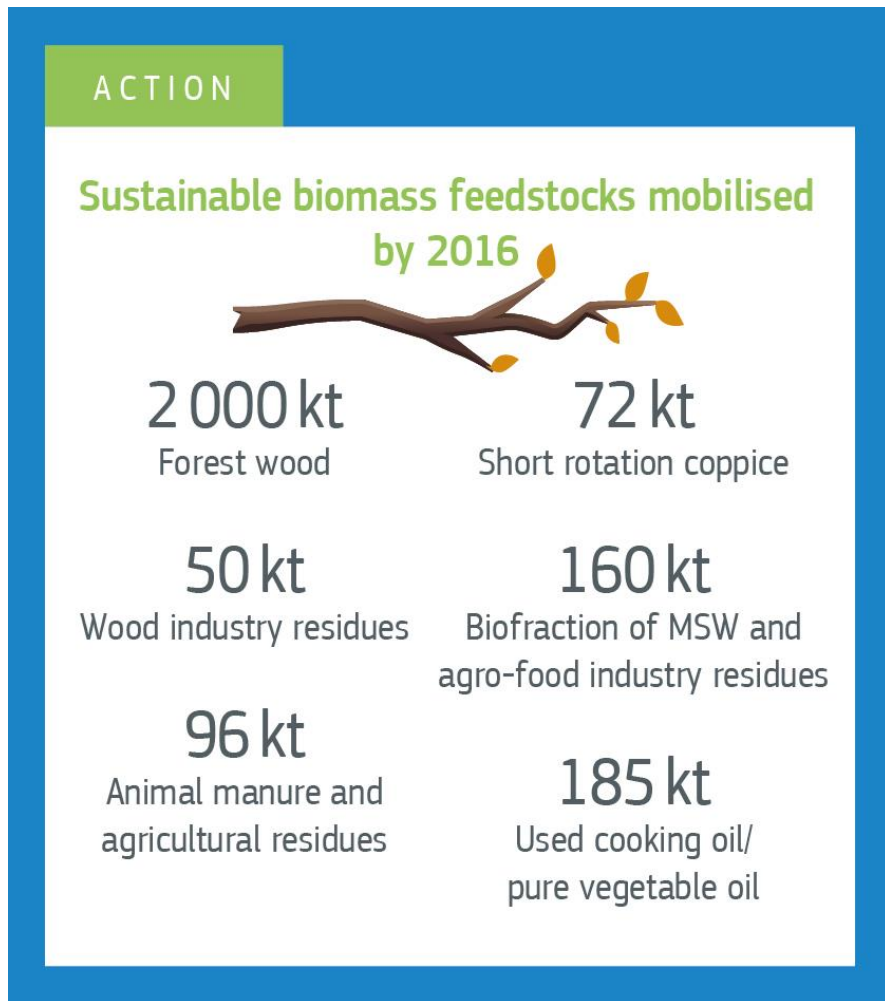
€ 913 m

Leveraging € 18.9 m for every
€ 1 m EU funding

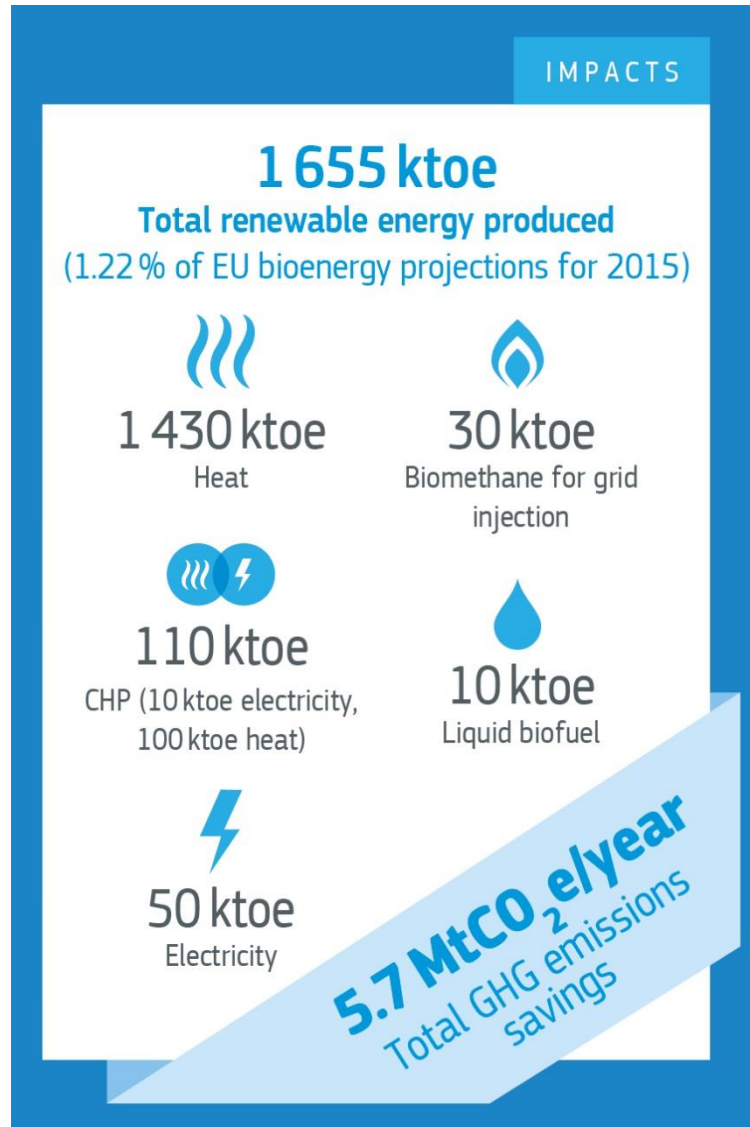
**Leveraging
investment**

Review of IEE-II bioenergy projects (4/7)

Barrier: Underdeveloped biomass supply



Review of IEE-II bioenergy projects (5/7)



Review of IEE-II bioenergy projects (6/7)

Barrier: Unfavourable policy framework

ACTION



Strategy papers and policy advice



Policy tools
(e.g. assessments of bioenergy potentials, decision-making tools)



Policy monitoring

IMPACTS



Recognise biomass and bioenergy potential



Change in legislative and support frameworks



Regional action plans and roadmaps

Review of IEE-II bioenergy projects (7/7)

Reports downloadable at:

<https://ec.europa.eu/easme/en/IEE-publications>





European
Commission

Thank you!

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European
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