EASME – Energy Efficiency Call 2014

Gianluca Tondi, Unit B1 – Horizon 2020 Energy Sector "Industry, Products and Consumers"

Executive Agency for Small and Medium-sized Enterprises (EASME)

H2020 Info Day on EE8 and EE11 -
DG CONNECT - Brussels, 28th March 2014

Content

1. **About EASME**
2. Energy Efficiency call 2014
3. Previous experience: IEE and project examples

About EASME

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

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

- Part of the EU programme for the **Environment and Climate action (LIFE)**

- Part of the EU programme for the **Competitiveness of Enterprises and Small and Medium-sized Enterprises (COSME)**

- Part of the **European Maritime and Fisheries Fund (EMFF)**

- The **legacy of the Intelligent Energy – Europe programme** and the ECO-INNOVATION initiative

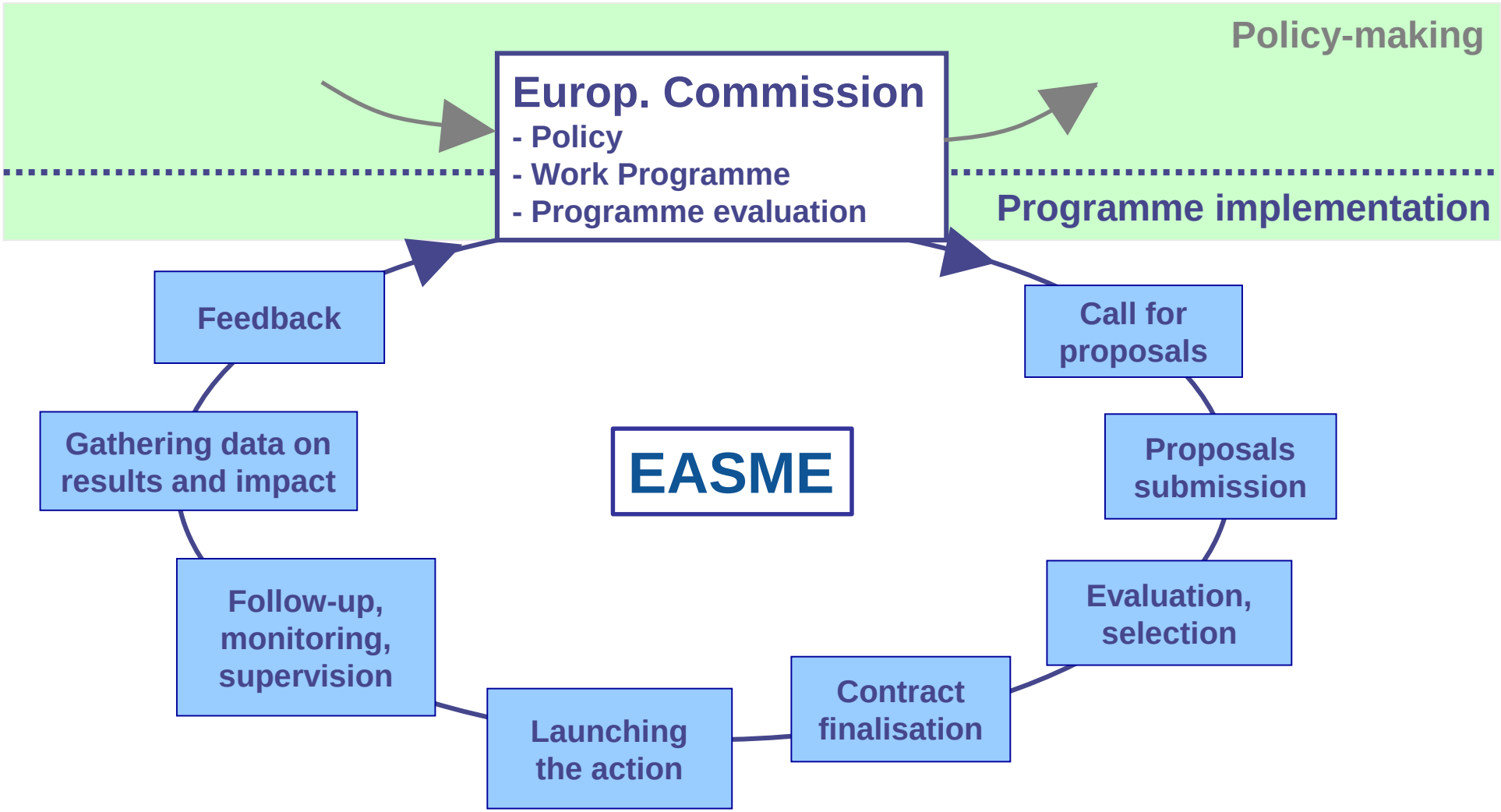
Energy programmes and EASME

- **Unit B1 – Horizon 2020 Energy in charge of**
  - ✓ Management of the **Energy Efficiency part of the challenge 'Secure, Clean and Efficient Energy"**
  - ✓ The legacy of the **Intelligent Energy – Europe** programme

- **Three operational sectors:**
  - ✓ Buildings and Heating & Cooling
  - ✓ Industry, Products and Consumers
  - ✓ Public Authorities, Energy Services and Financing

- **Technical staff previously involved in the IEE programme (Energy, efficiency, Renewable energy, sustainable transport)**

Programme implementation: the different steps



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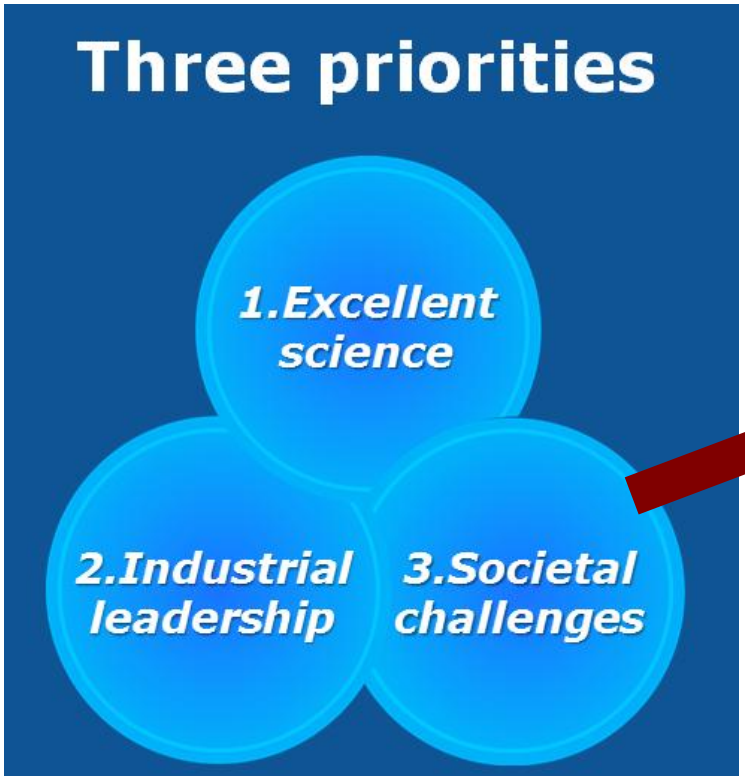
Horizon 2020



1. Health, Demographic Change and Wellbeing
2. Food security, Sustainable agriculture and forestry, Marine, Maritime and Inland water, Research and the Bio-economy
3. **Secure, clean and Efficient Energy**
4. Smart Green and Integrated Transport
5. Climate Action, Environment, Resource efficiency and Raw materials
6. Europe in a changing world – Inclusive, innovative and reflective societies
7. Secure societies – Protecting freedom and security of Europe and its citizens

Energy challenge

SOCIETAL CHALLENGE - ENERGY

Call for proposals 2014-2015*

Energy Efficiency

-

21 topics

Smart Cities & Communities

-

6 topics

Low Carbon Energy

-

22 topics

**documents for Call 2015 are only indicative and may be subject to changes*

Energy Efficiency Call

Energy Efficiency
H2020-EE-2014 / 2015

21 Topics in 4 main areas:

1. Buildings and consumers: EE1 - EE12
2. Heating and cooling: EE13 - EE14
3. Industry and products: EE15 - EE18
4. Finance for sustainable energy: EE19 - EE21

Energy Efficiency Call: actions covered

Research & Innovation

- Historic buildings (EeB PPP)
- Heat Recovery (SPIRE PPP)
- ICT
- Socio Economic
- District H&C

Innovation

- Materials (EeB PPP)
- Building Design (EeB PPP)
- Demand response in buidings

Coordination & Support

- 13 topics in Buildings, H/C Consumers, Industry, Products, Finance

Energy Efficiency Call: deadlines

Topic	Type of instrument	Deadline Call 2014
EE1: Building materials (EeB)	Innovation Action	20-Mar
EE2: Build design (EeB)	Innovation Action	closed in 2014
EE3: EE in historic buildings (EeB)	Research & Innovation Action	20-Mar
EE4: Construction skills	**CSA**	**05-Jun**
EE5: EE in existing buildings - deep renovation	**CSA**	**05-Jun**
EE6: Demand response in blocks of buildings	Innovation Action	closed in 2014
EE7: Capacity building of PA - SEAPs	**CSA**	**05-Jun**
EE8: Public procurement of innovative solutions	**CSA**	**05-Jun**
EE9: Empowering stakeholders to assist Pas	**CSA**	**05-Jun**
EE10: Consumer engagement	**CSA**	**05-Jun**
EE11: New ICT based solutions for EE	**Research & Innovation Action**	**05-Jun**
EE12: Socioeconomic research on EE	**Research & Innovation Action**	**05-Jun**
EE13: Technology for district heating & cooling	**Research & Innovation Action**	**05-Jun**
EE14: Market barriers to the uptake of H&C	**CSA**	**05-Jun**
EE15: EU Product EE legislation	**CSA**	**05-Jun**
EE16: Organisational innovation in industry	**CSA**	**05-Jun**
EE17: Innovation via large buyer groups	CSA	closed in 2014
EE18: New technologies for heat recovery (SPIRE)	Research & Innovation Action	20-Mar
EE19: Financeability of sustainable energy investments	**CSA**	**05-Jun**
EE20: Project development assistance (PDAs)	**CSA**	**05-Jun**
EE21: EE services and financial schemes for sust. Energy	**CSA**	**05-Jun**

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Intelligent Energy Europe in a nutshell

- To reduce energy use and increase the share of renewable energies
- Encourages the uptake of proven intelligent energy solutions / practices
- Not a technology development programme
- €730 million from 2007 to 2013
- Projects with high EU added value
- Funding projects through annual calls for proposals
- Call 2013 deadlines: 08/05/2013 and 28/11/2013
- Call 2013: 600 proposals received, around 75 recommended for funding, 60 projects just started

Intelligent Energy Europe: delivers on …

EU policy on energy efficiency and renewables

> Creating favourable market conditions

> Shaping policy development and implementation

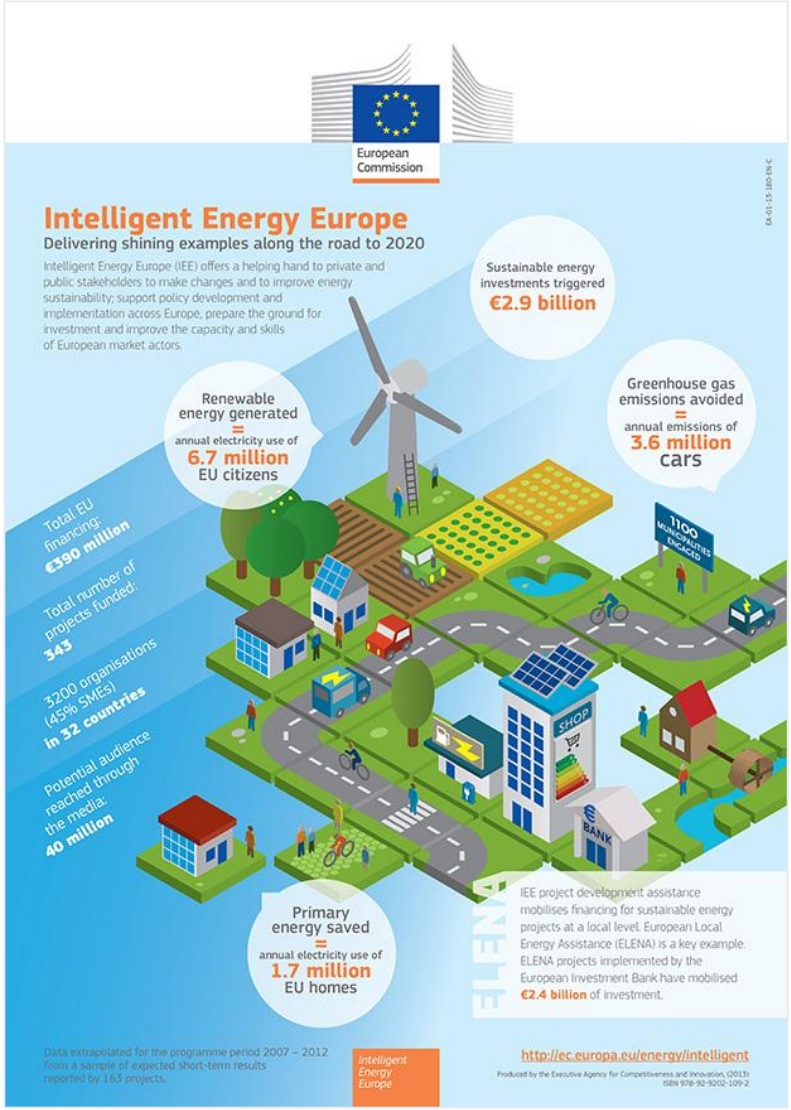
> Preparing the ground for investments

> Building capacity and skills

> Informing stakeholders, changing energy behaviour

Real changes on the ground

Intelligent Energy Europe: results & impacts



- **Almost 700 projects across Europe have been co-funded by the IEE programme since 2003**
- **Around 250 projects ongoing, active until summer 2017**
- **Three concerted actions supporting the implementation of key EU energy legislation (EPBD, RES and EED dir.)**
- **Web-portals (e.g. BUILD UP, ELTIS)**
- **EUSEW**
- **ELENA facility**

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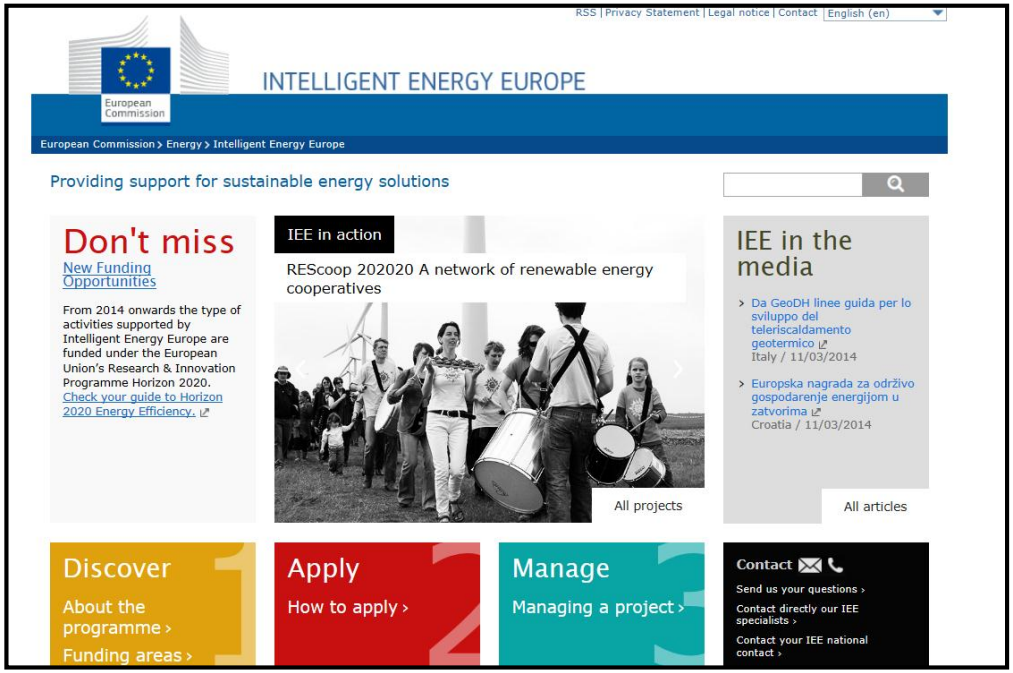
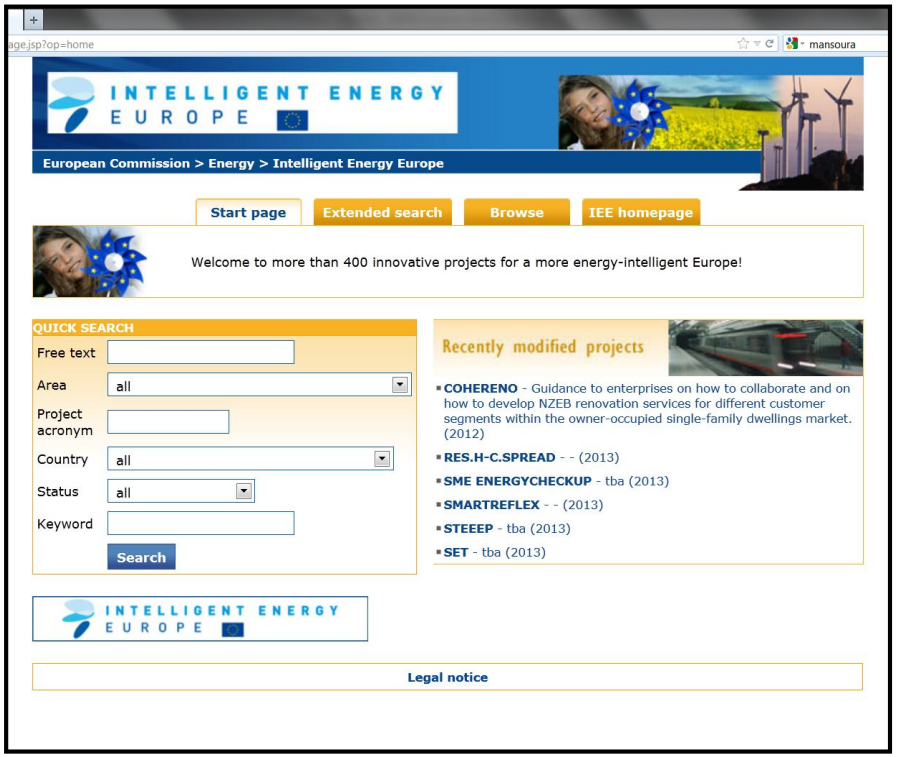
IEE website & project database



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

http://easme-projects.eu/iee/



BUY SMART+

- **Support Mainstream green procurement in 7 member states and transfer the know-how to 8 member states where green procurement is still at an early stage.**

- **Coordinator: Berlin Energy Agency (DE)**

- **Duration: 06/2012 – 06/2015**

- **Web-site: http://www.buy-smart.info/**

- **Set up Green procurement helpdesks in 15 countries Green procurement**
- **Focus on: IT, building components, vehicles, lighting, household appliances, green power**
- **Support to at least 700+ professional procurers – Coaching to 300 organisations**
- **Launch of 72 pilot projects of energy efficient green procurement; at least 12 concerning innovative technologies, joint procurement or involving advanced monitoring**

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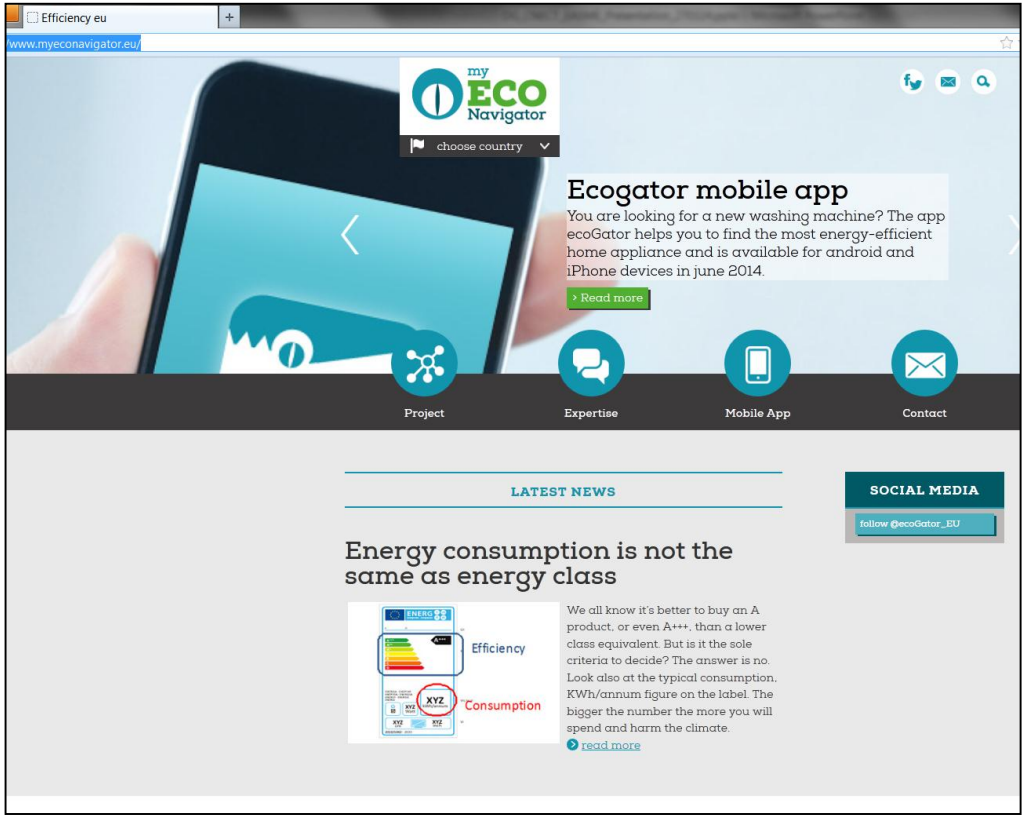
EFFICIENCY_2.1



- **Coordinator: Austrian Energy Agency (AT)**
- **Duration: 01/04/2013 - 01/10/2015**
- **Web-site: www.myeconavigator.eu**

- **Support consumers in their purchase decisions by providing up-to-date information about the most energy efficient products on the market**
  - **Development and roll-out of an "Efficiency Adviser" smartphone application easy to use and access through mobile devices as smartphones and tablets**
  - **Establishment of web portals and social media channels (Twitter, Facebook) dedicated to sustainable and EE products and their use**
  - **Four million households reached by means of key actors promotion channels (energy utilities, online shopping portals, online media, NGOs)**

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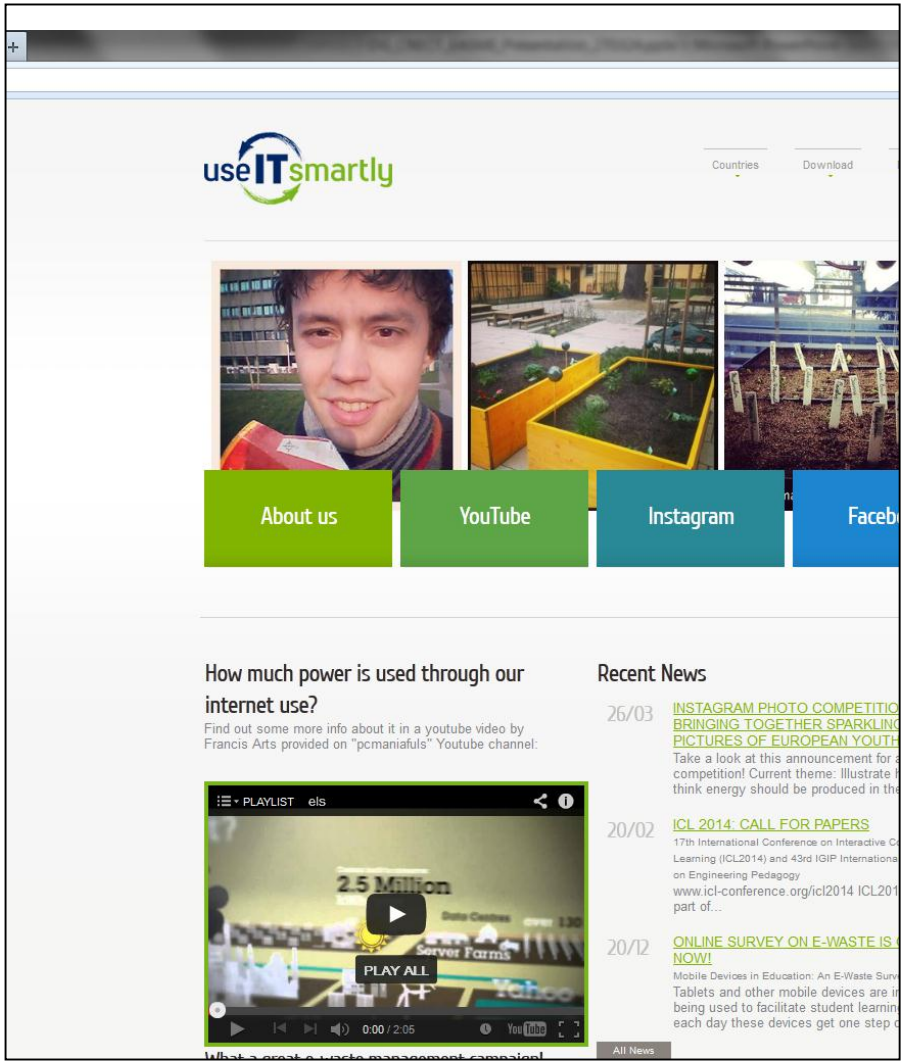
useITsmartly



- **Environmental peer-to-peer education for youths with focus on smart use of Information and Communication Technologies, aiming to energy behavioural changes**
- **Coordinator: University of Wuppertal (DE)**
- **Duration: 03/04/2013 - 03/04/2016**
- **Web-site: www.useitsmartly.com**
  - **Toolbox for development and implementation of innovative IT-focused DSM programmes**
  - **Didactical concepts for training IT peers in each country (can be adapted by further countries)**
  - **25.000 adolescents reached within the project duration through IT peers**
  - **support to the Eco-Design Directive**

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Thank you very much for your attention!

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