

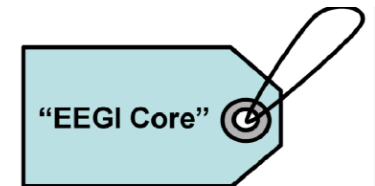
EcoGrid EU

A Prototype for European Smart Grids



Presentation at:
Innogrid2020+, Brussels 21 February 13

Presentation by:
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(Coordinator)



EcoGrid EU in Brief

- A large scale demonstration of a real-time marketplace for distributed energy resources (DER)
- The demo site is the island of Bornholm - a *real* power system with more than 50 % renewable energy – connected to the Nordic synchronous system
- ICT systems and innovative market solutions enable small consumers to offer TSOs additional and more efficient balancing services
- ***The EcoGrid EU concept meets the increasing need for balancing services***
- ❖ Project period: 1 March 2011 – 28 February 2015
- ❖ Total budget: 21 million Euro (EU: 12,7 million Euro)
- ❖ Project initiated by Energinet.dk and coordinated by SINTEF ER
- ❖ 15 partners

EcoGrid EU Partners

DENMARK

ENERGINET/DK

ØSTKRAFT
energi til gode oplevelser

DTU **IBM**

SIEMENS
Landis
Gyr+
manage energy better

NETHERLANDS

ECN

TNO innovation
for life

BELGIEN

elia
eandis

SPAIN

tecnalia Inspiring
Business

PORTUGAL

edp



NORWAY

SINTEF

ESTONIA

TALLINN UNIVERSITY OF
TECHNOLOGY

GERMANY

SIEMENS AG*

AUSTRIA

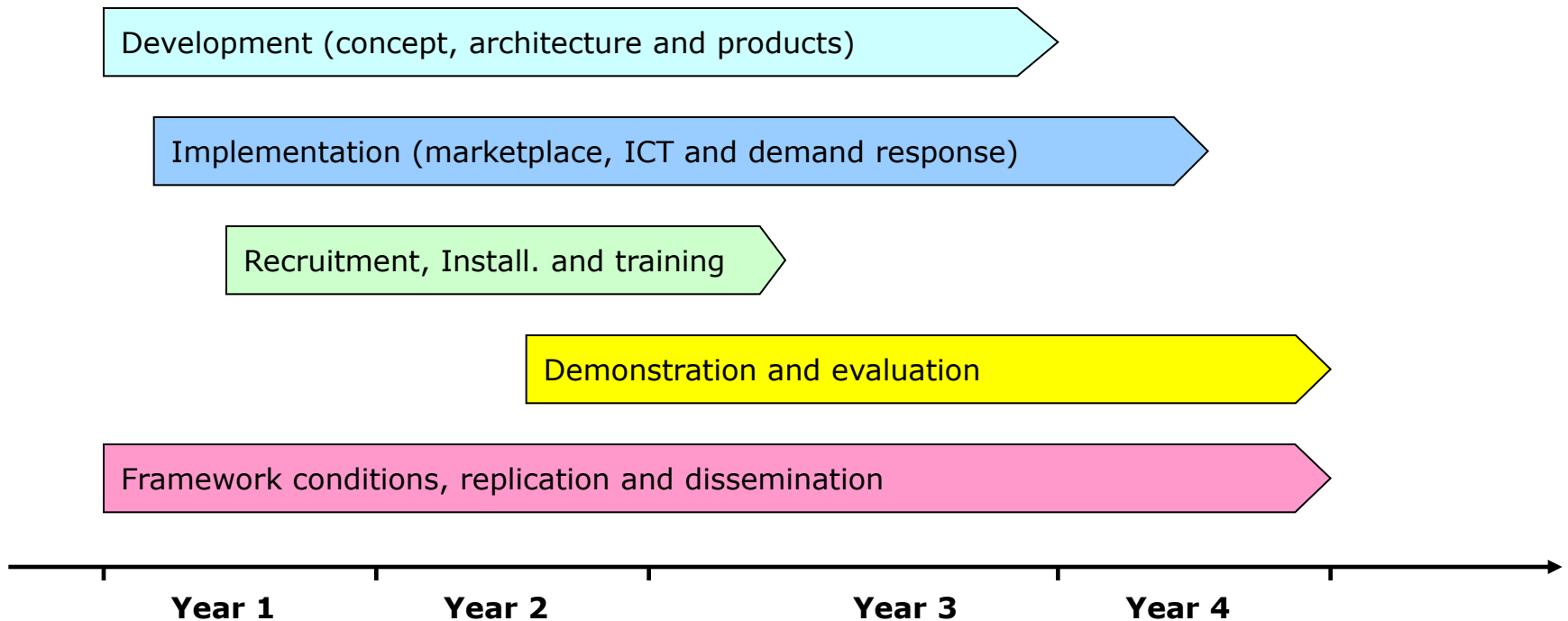
AIT AUSTRIAN INSTITUTE
OF TECHNOLOGY

SWITZERLAND

IBM Zrl*
SIEMENS CH*

* Third party

Overall project plan



Customer Involvement and Education



Communication & information

- ✓ Facebook & web forum
- ✓ EcoGrid magazines & folders
- ✓ Media announcements
- ✓ Peoples EcoGrid Event

Villa Smart

- ✓ Demonstration house
- ✓ Education of participants
- ✓ Training of electricians
- ✓ Press conferences



Guidance of participants

- ✓ 2 hours per household with automation equipment
- ✓ ½ hour per manual control household



<http://ecogridbornholm.dk/>

Thank you for your Attention

