



## Welcome to workshop on the EMPOWER Local Market Design

Thank you for your interest in EMPOWER and our effort to define a new form of trade in energy and energy related services. We welcome you to Oslo on September 15<sup>th</sup> where we will introduce the market concepts that we have defined for the project. We wish to trigger a discussion based on this to harvest feedback and adjust our course onwards before implementation.

The principal aim of EMPOWER is described as follows:

***“Develop and verify a local market place and innovative business models including operational methods to encourage micro-generation and active participation of prosumers to exploit the flexibility that this creates for the benefit of all connected to the local grid.”***

The concepts to be presented have been developed in Work Package 6 Market Design with the principal objective of “to explore the theories on the micro-market and capitalize on former research related to market design and trading in a smart grid setting”.

The idea has been to synthesize this into a whole and specify a concise market arena that can support trading at the user end of the supply chain in a full scale, real-time environment of prosumers and surrounding supply system.

For more information on EMPOWER see also <http://empowerh2020.eu/>.

The agenda is as follows:

### ***Introducing the concepts***

9:00 Welcome and introduction of participants.

9:15 The EMPOWER concept from a business perspective (Bernt A. Bremdal, SmartIO)

- Business models
- Community thinking
- The hybrid market place: Energy, Flexibility, Services

9:35 The local market in a nutshell (Pol Olivella, SmartIO)

- The local market and the disconnected community
- The local market and cross-market operations for a connected community

9:55 Break

10:05 The Smart Energy Mission. Being practical and picking up the ideas from EMPOWER (Morten Hagen, Smart Energy)

- Building the Norderhaug community



- Looking beyond Norderhaug

10:25 Discussion (we will have a break half way)

11:30 Lunch

***Implementing the concepts***

12:30 Local market architecture (Jayaprakash Rajasekharan, SmartIO)

12:50 Implementing the local market platform (Bernt A. Bremdal, SmartIO)

13:10 Discussion (with new break at about 13:45)

14:20 Summing up

14:45 Closure

If you have not signed up yet, please contact [pol.olivella@ncesmart.com](mailto:pol.olivella@ncesmart.com) or [victoria.jensen@ncesmart.com](mailto:victoria.jensen@ncesmart.com).

Our venue will be Thon Opera Hotel in Oslo, right next to the central station (2 minutes). It takes 20 minutes from the airport to the central station by train (airport shuttle).

See you there.

The WP6 team.