



ICT FOR SMART DISTRIBUTED GENERATION

A THEMATIC NETWORK CO-FINANCED BY THE EUROPEAN COMMISSION (CIP PSP PROGRAMME)
AND LEAD BY THE EUROPEAN UTILITIES TELECOM COUNCIL

✓ Objectives

The objective of this Thematic Network (TN) is to **foster and promote the development of ICT solutions** which could encourage **large-scale integration of domestic and distributed micro generation** and therefore **improve energy efficiency** through the implementation of smart technology into local power grids.

The TN will bring together **key relevant players in the telecommunications and energy sector**. They will overview and provide insight of existing and new innovative ICT technologies available for smart distributed generation at domestic level, forecast steps forward that can promote large-scale implementation, identify best technical solutions available, non-technical barriers, as well as promote all TN results and conclusions to as wide an audience as possible as key elements to boost deployment.

✓ Consortium

The TN is originally composed by a comprehensive mix of partners embracing all the fields within the smart distributed power generation and telecommunication sectors;

ORGANIZATION	Country	Profile
European Utilities Telecom Council	BELGIUM	Association
Iberdrola S.A.	SPAIN	Distribution operator
Telefónica S. A.	SPAIN	Telecom Operator
Samares S.r.L.	ITALY	Dg-Equipment Manufacturer
Alcatel Lucent España SA	SPAIN	Telecom-Equipment Manufacturers
Ericsson España S.A.	SPAIN	Telecom-Equipment Manufacturers
Nokia Siemens Networks Oy	FINLAND	Telecom-Equipment Manufacturers
T-Systems ITC Iberia S.A	SPAIN	Telecom Operator
Electricité de France S.A.	FRANCE	Distribution operator
Disenco Energy plc	UK	Dg-Equipment Manufacturer
SAP AG	GERMANY	Software Developer
Eutelsat S.A.	FRANCE	Telecom Operator
Acciona Infraestructuras S.A	SPAIN	Construction company (also energy operator)
European Renewable Energies Council	BELGIUM	Association
European Association for the Promotion of Cogeneration	BELGIUM	Association
British Telecommunications PLC	UK	Telecom Operator

✓ **Work organization**

THE WORK WILL BE CARRIED OUT THROUGH THE FOLLOWING 3 MAIN LINES OF ACTIVITIES OVER A PERIOD OF 3 YEARS (starting January 2009):

1) Exchange of information and experiences: Actions in the form of workshops and seminars to present what members of the network have done and learnt in this field, as well as to take advantage and feedback from other previous initiatives or related projects. To identify future approaches for large-scale deployment (many-users) including business models, and quantification of benefits of those ICT-based solutions for all stakeholders.

2) Awareness actions: Dissemination of actions for the general public (end-users), dissemination of actions addressed to policy makers: European Commission, European Parliament, Committee of Regions, National, Regional and local administrations. A Annual Conference to promote dissemination of the results of the Project, will be organised . The aim of these actions will be to support awareness raising of the benefits that innovative ICT solutions can provide, and motivate policymakers to address non-technical barriers to foster large scale deployment.

3) Deliverables that contribute to supporting large-scale deployment: Achieve consensus in the following issues: Definition of business models with best solutions; Identification of non-technical barriers; Evaluate social acceptance and ethical issues.

The work load envisaged for the TN is divided in 6 work packages (4 technical plus dissemination and management). The timing of the corresponding technical WP and a short description of the issues to be addressed in them is given in the following paragraphs.

WP1 will aim at creating common background knowledge and common understanding of today's requirements for ICT including the problems and issues of all stakeholders in this topic. Previous experiences will be shared, getting a common view on the main priorities, needs and problems related to the application of ICT solutions in the domestic and distributed micro generation fields. The information compiled in this WP will pave the way and constitute the basis for WP 2 and 3. **Finished.**

WP2 intends to seek an agreement on the benefits that ICT solutions can provide to each of the main issues identified in the previous WP. **Documents under final revision; contributions (ICT solutions developed) still welcome.**

WP3 pursues to achieve the understanding of potential non technical blocking factors for the large scale deployment, given that suitable technology (at least at an initial stage) exists and to develop proposals about how to overcome those blocking factors. **Ongoing.**

WP4 Following the work already developed and as a corollary this WP will be focused in involving all the relevant stakeholders in the development of a consensus Action Plan to foster large scale deployment of ICT-based solutions.

✓ **Getting involved**

Apart from technical considerations, the leitmotif of this TN is to have **the widest reach**. Spreading the Network beyond the boundaries of the original consortium is one of the priorities from the very beginning of the TN so as **to get the involvement of as many stakeholders as possible**. In this, the TN constitutes a meeting point to take account of inputs from many stakeholders. Therefore the TN will be completely open to the involvement of any other relevant organisation not included in the original consortium. For example, EUTC as the coordinator has already engaged with related initiatives such as its twin TN SEESGEN-ICT.

To get involved in the TN please contact the TN coordination Team at <http://www.ict4smartdg.eutc.org/>