

SEVENTH FRAMEWORK PROGRAMME

THEME [ENERGY.2011.7.2-1]

[Innovative tools for the future coordinated and stable operation of the pan-European electricity transmission system]

Project Deliverable

Deliverable D 7.1 Website, Basic communication plan and dissemination strategy

Project acronym: UMBRELLA

Project full title: **Toolbox for Common Forecasting, Risk assessment, and Operational Optimisation in Grid Security Cooperations of Transmission System Operators (TSOs)**

Grant agreement no.: 282775-2

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1 Objective

The main aim of this work package is to ensure that this project and its results are brought to the attention of those parties for which this project and its results are of interest. This group contains those that are directly involved in the project, the stakeholders and external parties. The group consists of TSO's, electricity producers, local regulators, research institutions etc. Special attention has to be given to the non-project partners. If appropriate, a specific action will be attuned with any other on-going projects that are related to the one under consideration.

2 Actions and Plans

The communication plan has been designed to fill in the gaps between the project and other relevant parties. This includes several major implementations listed as follows,

- Website
- Project logo
- Newsletter
- Workshops
- Final conference
- Attendance of international conferences

Website

A project website named 'www.e-umbrella.eu' has been under construction by subcontracting to a local Dutch web design company (Inforaction BV, www.inforaction.nl). The selection of the subcontracting procedure followed exactly as described in Description of Work Annex I section 2.3.5.

The project website contains two main functions: it will be a platform for internal communication (accessible for project partners only) and it will be a source for relevant information on this project for the outside world. That information comprises the scope and the goal of the project and the partners in the consortium that is doing the project. Further, any announcement, publication and any other info that is relevant to the project or is related to it will be given.

To achieve this, the Content Management System (CMS) will be installed that partitions the website into Intranet and Internet areas. The partition covers both internal (exchange among consortium members) and external (to outside world) usage. Each consortium member will obtain a password that is privileged with upload, download, etc rights to facilitate the information exchange, meanwhile the outside visitors who are interested in obtaining deep knowledge can contact WP7 leader from the website for further communication inquiries.

The draft website functionalities and layout will be available to consortium members for comment at the end of March 2012. Upon comments and requests, the website will be online as scheduled.

Project logo

The project logo is currently being designed by the subcontractor Inforaction BV. A major logo with two variants will be available to consortium members for comments at the end of March 2012.

Newsletter

The newsletter has some of the same information as the website and that points to the website. Its scope has to inform the wider group of stakeholders, in and out the consortium.

This newsletter will be distributed to those that are on an e-mail list. This list has as its members all those that are involved in the project and those people of the consortium members that must be aware of the activities. Next to that, the e-mail list will contain the names of other interested people of the relevant organisations for who awareness is a must. The action of related to newsletter will take place after the March 2012 as agreed in the PMT meeting.

Workshops

During the course of the project a number of workshops are organised. They have a function in exchange of knowledge between the consortium members and other interested parties. If appropriate, key-note speakers are invited to set the topic in a broader perspective. The workshops will have an open character. The first one is basically a kick-off meeting. The main issue is the making of an inventory of the challenges as they are seen by the operators. These needs are confronted with the work in the work packages, esp. 2, 3, and 4.

The inventory list has been drafted by WP7 and distributed to consortium members for further comments. The final draft will be available at the end of March 2012.

Three of these open workshops will be organized together with iTESLA:

- Workshop on innovative tools needed for the future and stable system operation (T0+6) to exchange information about respective project objectives, dissemination, key drivers, results of previous studies (knowledge sharing and information exchange)
- Workshop on intermediate results (T0+25) (exchange and present information about intermediate results and deliverables)
- Workshop on final results n°3 (T0+46) (exchange and present information about final results).

Workshop 1 with iTESLA is in the preparation stage. Actions include negotiation/communication (mainly done by W. WINTER), drafting the exchange questions (involving all PMT members) and organizational tasks (mainly done by WP7). The proposed dates to iTESLA 1st workshop are June 18, 19 or 21, based on the availability of UMBRELLA consortium members. Preferred location is ENTSO-E premises in Brussels, this would fit to both projects (about 120 participants).

A panel with external stakeholders is also of importance to the success of the common workshop. The theme of the first workshop is the challenges seen by TSOs and existing studies. The results and ideas discussed in the workshop serve a good basis for us to understand better challenges seen by TSOs and mitigation measures provided by the toolbox.

Going through the R&D plan of ENTSO-E some studies are interesting for UMBRELLA:

- EWIS (operational challenges, WP4, Mr. D. Klaar)
- PEGASE (unknown)
- TRADEWIND (Mr. Franz Van Hulle, Coordinator)

- TWENTIES (unknown)

For the panel we would suggest

- ENTSO-E Mr. Hubert Lemmens (R&D chair)
- EC Mr. Patrick Van Hove K2. Research Programme Officer -
Smart Grids, EUROPEAN COMMISSION. Research & Innovation DG
- Umbrella Dr. Wilhelm Winter
- iTESLA

The rest four workshops including two common workshops (UMBRELLA + iTESLA) and two other UMBRELLA workshops will be planed according to the milestones and deliverables stated in the description of work.

Final conference

At the end of the project there will be a concluding conference with the title "Derived Conclusions – Operational Requirements in TSO Cooperation Rules". It will assess what results have been obtained both from a point of view of the (daily) operation and as seen from a scientific point of view. It also will assess what new questions are brought up during the project, what activity is most suited to answer these questions and how these actually can be answered.

Attendance of international conferences

Each of the workshops and the final conference will produce a report that will contain the contributions to the workshop, the key-note speakers contribution and any relevant discussion that emerged there on. As far as possible, the IEEE, the Cigré, the Cired conferences and other are used to bring the results of the project that are obtained so far to a broad public. The dissemination tasks of the project will be achieved in close cooperation with the coordinator and the PMT. Beyond the resources for the deliverables 1 MM are foreseen to participate in conferences, 1.5 MM for workshop organisation and participation and 6 MM for Website management and Website update. WP7 has catalogued some of the interesting events including conferences, workshops and other suitable events for the UMBRELLA dissemination.

2012:

Name of the event	Date	Location	Website	General scope of the event
Wind integration symposium	8 – 9 May 2012	Frankfurt, Germany	http://www.windintegrationsymposium.org/program_committee.html	Managing renewable generation
Wind integration workshop	13-15 Nov 2012	Lisboa, Portugal	www.windintegrationworkshop.org	
10th Symposium on Power System Management	11/11/2012 - 14/11/2012	Opatija - Croatia	http://www.cigre.org/Events/Other-CIGRE-Events/10th-Symposium-on-Power-System-Management	
CPS, Control of Power Systems	May 15 – 17,	Tatranské Matliare, Slovakia	http://www.power-engineering.sk/	Scientific conference
CIRED Workshop	29-30 May	Lisbon	www.cired2012-workshop.org/	Integration of Renewables into the Distribution Grid
12th International Conference on Probabilistic Methods Applied to Power Systems, PMAPS 2012	10 –14 June	İstanbul – TURKEY	www.pmaps2012.itu.edu.tr	uncertain aspects of electric power and energy systems. but are not limited to probabilistic methods

EU Sustainable Energy Week	20th June 2012	?		networking and communication between projects
CEE Dispatcher-Workshop	?	?		
DACH-Workshop	?	?		

2013:

Name of the event	Date	Location	Website	General scope of the event
PowerTech 2013	June 16- 20, 2013	Grenoble France		
12 th International Workshop on ELECTRIC POWER CONTROL CENTERS	?	USA		Experiences and Trends in Generation, Transmission, and Distribution Control Centres: Architectures and Functions

2014:

Name of the event	Date	Location	Website	General scope of the event
CIGRE Session	August	Paris	www.cigre.org	Transmission Systems
PMAPS 2014	June	?	?	Probabilistic methods
Power System Computation Conference	?	?		Power System Analysis

2015:

Name of the event	Date	Location	Website	General scope of the event

ETHZ presents a website that collects all relevant conferences.

http://www.eeh.ee.ethz.ch/en/no_cache/eeh/news-events/conferences.html

The conference list on the website under constant maintenance and covers most aspects of power engineering. Some of them might be relevant to UMBRELLA.

Swissgrid would like to attend conferences organised by IEEE, CIGRE and IET. No specific event is given.

Milestones and deliverables

Milestone number ⁵⁹	Milestone name	Lead beneficiary number	Delivery date from Annex I ⁶⁰	Comments
MS71	Basic communication plan & dissemination strategy and website for dissemination of the project plan	10	3	First draft communication plan established - Website established
MS72	Workshop on Innovative tools needed for future and stable system operation	10	6	Workshop established, information exchanged
MS73	Workshop on optimization challenges seen by operators	10	15	Workshop established, information exchanged
MS74	Workshop on optimised solutions for maximising power transits	10	21	Workshop established, information exchanged
MS75	Workshop on system state modelling and toolbox design	10	33	Workshop established, information exchanged
MS76	Final Conference "Derived conclusions – operational requirements in TSO cooperation rules"	10	45	Conference established, information exchanged

- D7.1) Website, Basic communication plan and dissemination strategy: First communication plan [month 3]
- D7.2) Workshop results on innovative operational tools: Workshop results on Innovative tools for the future secure system operation. Information exchange about objectives, dissemination, key drivers and results of previous studies, common workshop [month 8]
- D7.3) Workshop on intermediate results: Intermediate results, optimization challenges and risk based assessment methods, common workshop [month 25]
- D7.4) Workshop results on solutions for maximising power transits: Workshop results on optimised solutions for maximising power transits, system state modelling and toolbox functionalities [month 39]