



REALISEGRID – General Meeting

Rome, 1 April 2011

Introduction by the Coordinator

Presentation outline

- How much time is left?
- Deliverables to be completed
- Dissemination event of the last year
- Remaining project events
- Setting the dates for final meeting in Brussels
- Program of the final meeting in Brussels

REALISEGRID: the clock is tickin'...

31 March 2011

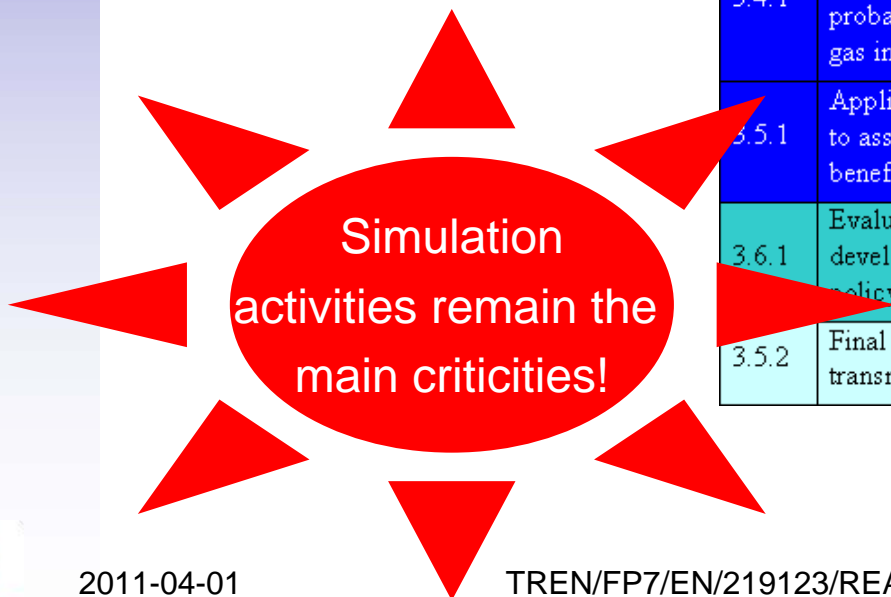
31 May 2011

	Year 1 Semester I			Year 1 Semester II			Year 2 Semester III			Year 2 Semester IV			Year 3 Semester V		
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15
WP 1	Performances and costs of innovative grid technologies														
WP 1							1W1					2W1			
WP 2	Long term scenarios for European power systems														
WP 2		M2							W2						
WP 3	Electricity transmission investments: a pan-European framework to assess transmission expansion benefits														
WP3.1												M3		W3	
WP3.2												M3		W3	
WP3.3												M3		W3	
WP3.4												M3		W3	
WP3.5												M3		W3	
WP3.6												M3		W3	
WP3.7												M3		W3	
WP 4	Coordination, exploitation and dissemination														
WP 4	K			M			M	MT							FC
WP 5	Administrative management														
WP 5															

Extension period

- After 31 May, 60 days for delivering everything (included the Second Periodic Report (contributions from WP leaders!))

REALISEGRID: working in progress



1.4.2	Final WP1 report on cost/benefit analysis of innovative technologies and grid technologies roadmap report validated by the external partners	TECHNOFI
3.3.2	Review of costs of transmission infrastructures, including cross border connections	RSE
3.3.3	Tool for the assessment of benefits given by the expansion of transmission infrastructures	RSE
3.2.3	Case Study: model-based transmission investment signals in Central Western and Central Eastern Europe	VERBUND-APG
3.4.1	Report on identification of weaknesses in electricity and gas infrastructures by a probabilistic coupled model for electricity and gas infrastructures	UNIMAN
3.5.1	Application of the REALISEGRID framework to assess technical-economic and strategic benefits of specific transmission projects	TERNA
3.6.1	Evaluation of electricity infrastructure development, investment needs, regulation and policy recommendations	OME
3.5.2	Final report of REALISEGRID WP3 on transmission investments	RSE

Simulation activities remain the main criticities!

REALISEGRID: dissemination events in 2010



G. Migliavacca	Outline of the project REALISEGRID: a FP7 project for assessing the benefits provided by infrastructure development in a pan-European power system	Electricity Grid Workshop (organized by the European Commission DG-ENERGY)	Brussels, 2 April 2010
G. Migliavacca	Getting public consent to new transmission infrastructures: drivers and issues	REALISEGRID Workshop 'Focus on streamlining planning and approval procedures of electricity transmission infrastructures' (organized by the European Commission DG-ENERGY)	Brussels, 1 June 2010
G. Migliavacca	REALISEGRID: a FP7 project for assessing the benefits provided by infrastructure development in a pan-European power system	ENTSO-E R&D Workshop	Brussels, 16 June 2010
G. Migliavacca	Organization of theme session on wind integration with presentation of contribution "Integration of wind generation: the contribution of REALISEGRID to optimal network design and authorization procedures speed-up"	7th International Conference on the European Electricity Markets	Madrid, 23-25 June 2010
G. Migliavacca	REALISEGRID: a FP7 project for assessing the benefits provided by infrastructure development in a pan-European power system	Tri-lateral meeting with DG-Energy	Brussels, 7 July 2010
A. L'Abbate, G. Migliavacca	Prospects for the transmission planning in Europe towards a sustainable energy future: the REALISEGRID project	CIGRE Session 2010	Paris, 26 August 2010
A. L'Abbate, G. Migliavacca, U. Häger, C. Rehtanz, S. Rüberg, H. Ferreira, G. Fulli, A. Purvins	The Role of FACTS and HVDC in the future Pan-European Transmission System Development	The 9th International Conference on AC and DC Power Transmission	London, 19 – 22 October 2010
G. Migliavacca	REALISEGRID: towards a pan-European transmission network	Smart Energy Networks Europe, organizzata da Marketforce and the Adam Smith Institute	Brussels, 30 November and 1 December 2010
G. Migliavacca	General overview of the project REALISEGRID. Focus to cost-benefit analysis and its application test bed	Meeting ad hoc di disseminazione di REALISEGRID presso Florence School of Regulation	Florence, 24 February 2011
G. Migliavacca	REALISEGRID: towards a pan-European transmission network	Presentazione all' Electricity Committee dell'Observatoire Méditerranéen de l'Energie	Paris, 14 March 2011



OPEN TO NEW SUGGESTIONS

- 24 February 2011 – Florence School of Regulation
 - 14 March 2011 – Electricity Committee of OME
- } past events
- 31 March/1 April 2011 – Final WP3 workshop during project meeting in Rome
- 12 April 2011 – R&D Committee ENTSO-E (Brussels)
 - two hours with focus on cost-benefits (program approved on 22 February)
 - 14 April 2011 – 2050/Supergrids working group ENTSO-E (Warsaw)
 - two hours with focus on transmission technologies roadmap
 - 18-19 May – Final project (dissemination) meeting in Brussels - Only dissemination, by themes. Presence encouraged of EC and European Stakeholders
 - 25-27 May 2011 - European Electricity Markets 11 Conference (Zagreb)
 - dedicated session chaired by me: program still to be finalized (3 hours)
 - 19-23 June 2011 - PowerTech 2011 (Trondheim)
 - special session dedicated to REALISEGRID, SUSPLAN and IRENE40. Two papers per project (technologies+cost-benefit)
 - 29 August, 2 September 2011 - IFAC World Congress 2011 (Milan): Invited paper “Smart transmission networks in Europe: the view of the REALISEGRID project”
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- Dissemination at CEER (Brussels, date still to be defined)
 - CIGRE Session 2012 (Paris) – The synopsis was sent on 23rd March



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Call for Papers
15 Sep 2010

Abstract Submission
15 Nov 2010

Abstract Notification
01 Dec 2010

Full Paper Submission
01 Feb 2011

Final Notification
15 Mar 2011

Early Regist. Deadline
11 Apr 2011

Conference
25-27 May 2011

Conference

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Faculty of Electrical
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University of Zagreb

The Dissemination Session of the European FP7 Project REALISEGRID

Chair: Gianluigi Migliavacca, RSE S.p.A., Italy

Abstract

The session presents the final results of the European research project REALISEGRID. This project, encompassing the period September 2008 till May 2011, was co-financed by the European Commission (DG-ENERGY) and aimed at pursuing a threefold target:

- analyze the most promising technologies able to improve the reliability, capacity and flexibility of the transmission network, together with the possibility of more effectively integrating them into the transmission planning procedures;
- study the impact of different regulatory and socio-economic scenarios on the energy exchanges in Europe in a long term perspective (up to 2030);
- Implement a set of methodologies and tools to assess the benefits deriving from the expansion of the transmission grid towards the extension of current planning criteria.

Outline

- Overview of the project (Gianluigi Migliavacca, RSE)
- MARKAL-TIMES modelling of long term scenarios for generation and load up to 2030 (Maurizio Gargiulo, E4SMA)
- Current approaches to the planning of the transmission infrastructures in Europe: issues and criticalities (Gianluca Fulli, EC JRC)
- A new approach to analyze transmission investments based on investment signals (Klemens Reich, APG)
- A new cost-benefit analysis approach to prioritize pan-European grid investments (Gianluigi Migliavacca, RSE)
- TSO remuneration policies as a driver for a more efficient investment policies (Matteo Urbani, OME)
- Approval procedures and consensus for building transmission lines: obstacles and solutions (Ana Ciupuliga, TUDelft)
- General debate: what is the best investment policy to achieve the goals of RES integration, IEM creation and security of supply? How could the typical lag between generation and transmission evolution be reduced? (All presenters)



EEM11 Conftool >>

Details on fees and accomodation >>

Past conferences

EEM 10 Conference

EEM 09 Conference

EEM 08 Conference

Results of the polling for the final meeting in May (Brussels)

<http://doodle.com/2igvsqkw5rp6gvpb>

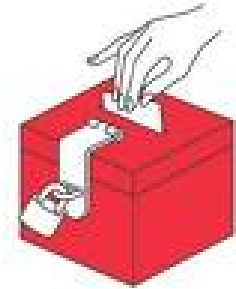
- 18 answers (10 partners, 7 stakeholders, 1 DG-ENERGY)

- 16-17 May 2011: 11 votes

- 17-18 May 2011: 12 votes

- 18-19 May 2011: 9 votes

Deadline:
March 25th



- Final decision **18-19 May** (shift forward by 1 day to allow a wide presence by the European Commission)

- Program: ~1.5 days; presentations based on themes and not WPs + space for the debate.

- Target: european stakeholders and institutions.
- Better to clarify now who will present!

18 May 2011

- **Introduction by the Project Coordinator**
- **Session 1: Transmission planning**
 - Present approaches and challenges
 - A new approach for investment analysis and candidates selection
 - A new pan-European cost-benefit analysis
 - A joint analysis of electricity and gas commodities
 - General debate
- **Session 2: Regulatory issues**
 - TSO remuneration
 - Authorization procedures and public consensus
 - General Debate
- **Session 3: New technologies for the transmission**
 - Scanning criteria and overview of the selected technologies
 - Passive technologies
 - Active technologies (HVDC, FACTS, WAMS)
 - Storage and other technologies

19 May 2011

- **Session 3 (continued)**
 - Roadmap to 2030
 - General debate
- **Session 4: Long term scenarios**
 - Modeling methodology
 - Data and storylines
 - Scenario results
 - General debate

Program still to be finalized

Thank you for your attention...

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