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2nd Meeting
28th-29th June 2007
LIUC University, Castellanza (VA), Italy

Agenda

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Thursday afternoon 28th June

13:30- 14:00. Welcome/Short introduction [F. Strozzi, D. Arrowsmith]

14:00-15:00. Management and Administrative review: [D. Arrowsmith] -Review of previous meeting actions -Project plans, forum, and website -Status of Science Committee - Gender action plan -JRC Amendment completed -General discussion

15:00-15:15. Coffee Break

15:15- 17:30. (Science) presentations on WP progress to date: WP Leaders:->

15:15-16.00 Application of non-linear time series analysis techniques to the nordic spot electricity market data [F. Strozzi]

16.00-16.30. Update on D4.1 (Wind field construction assessment report and maps of potential wind energy production over Europe) [I. Janosi]

16:30-17.00. Update on D3.1 (Report on the use of the Hurst coefficient and correlation with power law decay for the project data) [W. Just]

17.00-17:30. Update on WP6 (Vulnerability of interconnected networks [L. Kocarev]

17:30:17:45. Day 1 wrap up. [All]

20:30 Dinner

Friday morning 29th June
9:00-9.30. JRC Presentations (IT topics, etc.) [F. Bono]

9.30-10.00 NESA Presentation: Network Interdependency. [H. Sivonen] .

10:00-10:15. Coffee Break

10.15-11:30. WP planning and status [WP leaders] (see attached WP documentation)

11:30-12:00. Conferences (hosting and participation) [D. Arrowsmith]

12:00-12:30. Planning and next steps [D. Arrowsmith]

12:30-14:00. Lunch

Work-package No[1]	Work package title	Lead contractor No[2]	Person-months[3]	Start month[4]	End month[5]	Deliverable No[6]
WP1	Project Management	QMUL	26	1	36	D1.1-D1.6
WP2	Network Collation	JRC	29	1	36	D2.1-D2.4
WP3	Mathematical Methods	QMUL	97	1	36	D3.1-D3.4
WP4	Electricity Networks	COLB	49	1	36	D4.1-D4.3
WP5	Dynamics of supply-chain and market volatility of networks	LIUC	55	1	36	D5.1-D5.5
WP6	Vulnerability of interconnected networks	MASA	59	1	36	D6.1-D6.4
	TOTAL		315			

Deliverable No[1]	Deliverable title	Delivery date[2]	Nature[3]	Dissemination level[4]
D1.1.	Report describing consortium groups and responsibilities, specifics of gender action plan.	M1	R	PU
D1.2	MANMADE web-page.	M1	O	PU/RE
D1.3, 1.4,1.5	Network analysis of interactions between consortium members and MANMADE Forum.	M12, M24, M35	R	RE
D 1.6	Workshop targeting careers in science for women, incorporating key themes of MANMADE Project. To be organized with local school authorities (Inner London area)	M35	O	PU
D2.1.	Data sets of major gas lines and exchange flows between and into Western Europe.	M9	O	RE
D2.2	Data sets of spot price electricity traded in the Italian and Nord Pool electricity markets.	M12	O	RE
D2.3.	Sets of spatial and topological maps of selected urban/transport networks (Italy, or other).	M12	O	RE
D2.4.	Data sets containing the grid connections for the NORDEL /UCTE synchronously connected high-voltage electricity grid system.	M18	O	RE

D3.1 D3.2 D3.3 D3.4 D3.5	Report on use of Hurst coefficient and correlation with power law functions. Report on the applicability of growth mechanisms of evolving networks and growth strategies to guarantee desired topological features (e.g. scale free structure, degree correlation etc.). Scientific paper on the vulnerability and heterogeneous interconnected networks . Emergence simulator (neural network) in generic graphs to mimic long-range coupling in networks. Feedback simulator for interconnected systems.	M12 M18 M24 M36 M30	R R R/O O O	PU PU PU PP PP
D.4.1. **D.4.2 D 4.3**	Wind field construction assessment report Maps of potential wind energy production over Europe. Workshop on natural and man-made vulnerabilities of EU grid. Topological analysis of selected EU synchronous grid systems (UCTE/NORDEL).	M18 M35 M36	R O R	PU PU RE
D5.1. D5.2 D5.3. D5.4. D5.5.	Report on supply-chain logical model by means of the Petri nets formalism Report on market dynamics model. Report (paper) on Cross Recurrence Quantification Analysis between markets volatility and the dynamics of power systems dynamic. Report (paper) on coupled market dynamics and power systems chains Report on early warning detection algorithm and suggestions on how implement it in real systems.	M12 M12 M24 M30 M36	R R R R O	PU PU PU PU RE
D6.1 D6.2 D6.3. **D6.4**	A method to calculate interoperability matrices . Workshop on the deregulated European energy market A report on GIS-based method to assess fragility curves for interconnected systems. A report on simulation of the dynamics (resilience and fragmentation) resulting from graph erosion of a realistic interconnected system	M18 M24 M30 M36	O O O R	PU PU C RE