

MANMADE

The following is a résumé of the main points discussed during the MANMADE kick-off meeting held at Queen Mary University of London on 19th January 2007, (10am-5pm).

Present at meeting were:

D. Arrowsmith (QMUL) (DA)
W. Just (QMUL) (WJ)
R. Mondragon (QMUL) (RM)
H. Touchette (QMUL) (HT)
J. Smeeth (QMUL) (JS)
E. Gutiérrez (JRC) (EG)
F. Strozzi (LIUC) (FS)
C. Noe (LIUC) (CN)
I. Janosi (COLB) (IJ)
G. Vattay (COLB) (GV)
H. Sivonen (NESA) (HS)

Absent

L.Kocarev (MASA) (LK)

Agenda (to be uploaded to MANMADE website)

The following points are expanded version of notes taken down by EG of the most salient points, comments, and preliminary decisions and actions to be taken.

Résumé of meeting:

- DA welcomed all present to the initial meeting of the MANMADE project informing those present that LK has sent his apologies for absence. The Agenda was offered and approved as appropriate.
- Participants introduced themselves and the organizations they represented: HS from NESA made a more extended presentation of the Finish National Emergency Agency in view of its role as a 'network stakeholder' organisation and having not yet had contact with the other MANMADE contractors during the project negotiations (uploaded web-site)
- DA presented the main ideas he proposed for the coordination and management of the MANMADE project (presentation uploaded to web-site). The presentation underlined to all present that the coordinator expects a close contact with the members of the Management Committee (MC) namely: DA, EG, FS, GV and LK proposed in absentia).
- In addition to the MC the participants proposed nominees for the external advisory Network Stakeholders (NS), and Scientific Committee (SC) groups.
 - As regards the NS this will include NESA and a second agency for which E.G. suggested that he had recently received queries from an EU electricity distributor who might be interested in participating in MANMADE. Other agencies could include companies from the EU construction sector which rely on logistical networks for their core business.

- As regards the SC group, DA proposed Mario di Bernardo (currently at Universities of Bristol and Sannio, Naples) as an active researcher in network dynamical systems theory as one of the candidates. A second candidate would be proposed by the academic partners of the MANMADE consortium (to be proposed by Jan 31st, 2007). A third candidate would be sought by EG for the gender action plan issues. A decision on the financing of the travel of external scientific group has yet to be made. Stakeholders are supposed to finance their own travel.
- DA then reinforced the importance of the management committees' in ensuring that the project met its time line for delivery commitments, underlying the committees' role in ensuring that proper reporting and contingency plans were implemented in a timely manner. In order to effect this, the line of communication between the project coordinator and the other contractors was directly thorough the members of the MC, whilst paying special advice to the suggestions of both the NS and SC groups. It was decided that, whenever possible all three steering committees would meet up on the occasion of the plenary meetings (every six months). EG commented that for all WPs a list of those persons responsible/answerable to the project coordinator be drawn up to which GV added that the list should also include who (organisations and people) would contribute to work done in each package.
- Deliverables: DA then proposed to consider the list of deliverables up to the 1st reporting period (month 18) and compile a provisional list of names responsible for delivery, participation and or feeding into other work packages and deliverables (see provisional list attached). DA proposed a Microsoft Word-based deliverable template (upload on web-site). GV suggested some changes could be made and as an alternative suggested he would send in a Latex-based format for the deliverable template.
 - As regards the deliverables in WP 1 DA requested all partners to provide input regarding D1.1, specifically the implementations each partner intends to carry out within the context of the section 10.1 of the MANMADE Technical Annex. DK proposed that the base line is that each partner send in one proposal to him by end week 4 (26/01/07). D1.1 would also include the description of the compositions of the MANMADE governance committees.
 - For D1.2 work was already underway on the web-page and would include changes resulting from the kick-off meeting.
 - D.1.3 to D1.5 these were discussed within the context of the MANMADE Forum
 - As regards WP2 EG reported on the status of data sets for D2.1, 2.2 and 2.3. As was stated in the MANMADE technical Annex, the deliverable from WP2 conditioned the time-line for some of the other WPs. EG reported that whilst at the outset of the project these were considered as high risk deliverables, he reported some breakthroughs had been made as to their availability and that for the moment there was no need to inform the Coordinator of impending danger. Specifically HS from NESAs had followed up the request from JRC to seek financial time series data from their NORDPOOL connections and suggested that these data would be available shortly. Also GV said that COLB would be in a position to contribute with financial time series from the Italian electricity market. By M6 at latest, any serious problems encountered in obtaining data sets must be reported to coordinator.
 - As regards WP3 RM and HT reported that work on D3.1, 3.2 and 3.3 could proceed as planned. In principle, these two deliverables are meant to analyse methods measurement of correlations with real-world data obtained within the context of other deliverables.

- As regards WP4 there was only one deliverable in the first reporting period D4.1 (which GV and IJ are responsible for) and for which no delays are foreseen at this stage.
- As regards WP5 two deliverables are foreseen within the first reporting period D5.1 and D5.2. FS requested GV and IJ if they could provide some assistance in the definition of the simplified models for the physical part of the electricity-supply-market model. HS confirmed that as far as electricity spot market data and other relevant supply models relevant to D5.1 and 5.2 would be made available. GV stated that COLB could not supply a model of electrical networks but could provide some spot market data concerning Italian market.
- As regards WP6 it was possible to establish an audio link with LK in MASA in order to clarify the situation regarding D6.1. It was decided that JRC would collaborate with MASA on the background required for defining network interoperability matrices. Also, although more pertinent to the second reporting period. GV and LK would confirm the organization of the workshops described in D.6.2 and the related one from WP4, namely D 4.2
- DA began discussions regarding the MANMADE web-site and Forum. As regards the web-site, comments were made to the floor regarding the visual content and inclusion/omission of relevant logos concerning the EU bodies involved and the relevant links that should be introduced immediately before 'going public'. As regards the MANMADE Forum, EG expressed the need to have available a repository of information flow between the partners (e-mails or other electronic transactions) that could quantify the flow of information between them and its relevance to the completion of tasks and deliverables between the WPs. Some concerns were expressed by some of the partners (COLB) as to the feasibility of compiling these data from the web-based Forum page. EG noted that the Forum could serve a simpler level as a means of showing how the project is constructed from a network analysis point of view. EG suggested that data about the MANMADE network and its subsequent analysis could be compiled in a variety of ways that did not rely exclusively on e-mail traffic. EG noted that network analysis of MANMADE project constituted a basis for three of WP1's deliverables and that an effort on behalf of all project partners to assist in the delivery of these items would be much appreciated, noting also that the MANMADE project was awarded to the whole of the proposal and not just individual WP deliverables seen as separate items.
- JS from the QMUL EU projects department reported on the status of pre-financing received so far from the EU. She reminded partners to be timely on reporting both technical and financial aspects in order to ensure that no delays were incurred, and emphasised that delays by one partner automatically had repercussions on all others. JS enquired from EG on status of JRC vis-à-vis financing and credit distribution, to which EG replied that to best of his knowledge JRC was financed directly from DG RTD under a special Administrative Arrangement that covered the MANMADE project (EG to confirm to JS)
- As regards outreach activities a number of proposals were presented. In addition to the expected academic output, conferences and workshops, proposals were made to try to contact more 'popular' scientific journalists and press. The plans laid out at the outset to engage schools (especially pre-University courses as part of gender action plan) were confirmed (QMUL).
- Looking to the future COLB mentioned that even though we had just started on MAMNADE that we should consider the possibility of planning for potential proposals and in EU calls where analysis of complex systems may be of interest. (e.g. DG INFSO programmes).

TO DO list

- Management related
 - List of e-mail addresses on web site (QMUL)
 - Preparation of network analysis structure for MANMADE project analysis and Forum (JRC)
 - Define Deliverable template (QMUL, COLB JRC)

- External contacts
 - Seek candidates scientific advisors to join SC (QMUL, COLB, LIUC MASA)
 - Seek candidates for SC gender action plan (JRC)
 - Seek candidates for NS group (JRC)

Proposed schedule of plenary meetings for 2007

May/June in Skopje, FYROM

December in Varese, Italy (LIUC)

David Arrowsmith/Eugenio Gutiérrez

29th January, 2007

Table 1 Work Packages and initials of WP leaders.

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

Table 2 Overview of deliverables up to first mid-term reporting period.

Deliverable	Deliverable title	BY: Name/ Month	Input From: Name	Specific Request BY: Name
D1.1.	Report describing consortium groups and responsibilities, specifics of gender action plan.	M1/ MUL	ALL	
D1.2	MANMADE web-page.	M1/QMUL	ALL	
D1.3 (1 st of three)	Network analysis of interactions between consortium members and MANMADE Forum.	M12/ JRC, QMUL	ALL	

D2.1.	Data sets of major gas lines and exchange flows between and into Western Europe.	M9/JRC	ALL	QMUL MASA?
D2.2	Data sets of spot price electricity traded in the Italian and Nord Pool electricity markets.	M12/JRC + COLB	NESA COLB?	ALL+NESA
D2.3.	Sets of spatial and topological maps of selected urban/transport networks (Italy, or other).	M12/ JRC		QMW, COLB, MASA+NESA
D2.4	Data sets containing the grid connections for the NORDEL /UCTE synchronously connected high-voltage electricity grid system.	M18/ JRC		QMUL
D3.1	Report on use of Hurst coefficient and correlation with power law functions.	M6/QMUL, JRC		ALL+NESA
D3.2	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.).	M12/ QMUL		JRC, MASA +NESA
D3.3	Scientific paper on the vulnerability of heterogeneous interconnected networks.	M18/ JRC QMUL?		

D.4.1.	Wind field construction assessment report and maps of potential wind energy production over Europe (M18).	M18/ COLB		
D5.1.	Report on supply-chain logical model by means of the Petri nets formalism	M12/ LIUC	NESA, JRC, QMUL	NESA, JRC
D5.2	Report on market dynamics model.	M12	NESA, JRC, QMUL	NESA
D6.1	A method to calculate interoperability matrices (M18)	M18	MASA/ JRC	QMUL,NESA,LIUC
D6.2	Workshop on the deregulated European energy market (M24)	M21	MASA	