

Deliverable D7.2: Dissemination Plan

FET Open project NADINE – Grant Agreement Number 288956

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Overall consortium dissemination strategy

This deliverable outlines the Exploitation Plan to be adopted by FET NADINE project, funded by the 7th Framework program under the FET Open program. The objective of this Exploitation Plan is to identify and organise dissemination activities to be performed in order to promote FET NADINE and disseminate the project outcomes. This report is intended to define strategies that will evolve with specific FET NADINE requirements as the project advances.

Dissemination tasks include:

- Introducing and promoting goals, activities, and expected results of LAWA to national and international bodies
- Defining and applying dissemination procedures to effectively communicate project initiatives
- Collaborating and promoting with other related FET NADINE projects
- Defining initial exploitation strategies, which will be refined throughout the project

The publications of the project are planned to be done in leading international scientific journals and conference proceedings. All results are publicly available on preprint server arXiv, the web page of the project www.quantware.ups-tlse.fr/FETNADINE/. The slides of the presentations on project meetings are also publicly available at this web site.

Dissemination implementation plan

The dissemination activities are carried out with the objective of making FET NADINE results public in the scientific community. Thus, the approach to dissemination is designed to fulfil the following expectations, which are considered crucial for further exploitation of the LAWA project results:

- Activities and actions taken to ensure a wide visibility and identification of the project are planned as part of the dissemination;
- A dedicated project website www.quantware.ups-tlse.fr/FETNADINE/ has been set up in order to inform about on-going progress and to make project related materials available for download;
- Organization and/or participation to workshops conferences, specialized international meetings and summer schools;

- Public relations, like presentations in magazines, newsletters, e-journals, mailing lists;
- Elaboration of an effective plan for adopting and exploiting the project results in a long-term vision;
- Design of promotional materials.

Press releases and news coverage

News of the project will be directly available to all partners via the project web site. The data sets obtained by the partners on directed networks will be publicly accessible to all scientific community. Press releases on the results of the project will be communicated to all partners.

At present

- the publication N25 P4.1 is highlighted by New York Times (article J.Markoff, S.Sengupta “Separating you and me? 4.74 Degrees”)
- the publication N10 P1.10 is highlighted by Wikimedia Newsletter “Multilingual ranking analysis: Napoleon and Michael Jackson as Wikipedia’s “global heroes”” July 2013

Project website

A website (cf. www.quantware.ups-tlse.fr/FETNADINE/) was delivered at the beginning of the project to provide a brief presentation of the project since its very beginning. A website has been available for collaboration and interaction since the beginning of the project as well, and now serves as a distribution mechanism between partners as well as a repository for records of all internal events.

The project meetings, external workshops and publications are publicly available via this web site. The partners make significant efforts to increase visibility of the project web page. All partner web pages are linked to the project web page.

Scientific publications

The project achievements will result in documentation and scientific publications that will be submitted to high-level journals, conferences, workshops and publications in the field (see the Target List below).

Target List:

Journals: Phys. Rev. Lett., Phys. Rev. E, Rev. Mod. Phys., Eur. Phys. J. B, J.Phys. A: Math. Teor., Phys. Lett. A, PLoS ONE, Europhys. Lett., Lect. Notes Comp. Sci., Internet Math.

Conferences: ASONAM, WWW, SIGIR, CLEF, ACM Web Science, LA-WEB, ICDMW, ECCS

A special issue on networks at Internet Math. is prepared by N.Litvak and S.Vigna.

L.Ermann, K.M.Frahm, D.L.Shepelyansky are preparing a review "Google matrix analysis of directed networks" at Rev. Mod. Phys.

Dissemination events

The target international conferences are given in the Target List above.

After 18 months we can report that the ECT Workshop Spectral Properties of Complex Networks, Trento, Italy, July 2012 was the international success. The report is available on the workshop web page <http://www.quantware.ups-tlse.fr/complexnetworks2012/> This was also the kick-off for NADINE project. The slides of presentations are available at the project website (see section reports).

The second meeting of NADINE project was organized in June 2013 at U Milano, the program and slides of presentations are available at the project web site (see section reports).

In total after 18 months there are 32 papers published and submitted (see details in the report). The results of NADINE had been presented on 37 international conferences all over the world. The list oral presentations is given below (posters are not counted).

Invited/Contributed Talks of NADINE project at Conferences 1 May 2012 - 31 October 2013

Partner 1 - CNRS,
Toulouse

1. P1.1 D.L.Shepelyansky, "Google matrix of Markov chains", Workshop "Integrable systems and random matrices", Institut Henri Poincare, Paris, 21-23 May 2012
2. P1.2 K.M.Frahm, "Google matrix of directed networks", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012
3. P1.3 B.Georgeot, "The game of go as a complex network", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012
4. P1.4 V.Kandiah, "PageRank model of opinion formation on social networks", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012
5. P1.5 D.L.Shepelyansky, presentation of NADINE project at International Workshop on Search Computing, Brussels 25-26 Sept 2012

6. P1.6 K.M.Frahm, "Spectral analysis of Wikipedia and PhysRev networks" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013
7. P1.7 B.Georgeot, "The network of Go game" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013
8. P1.8 Y.-H.Eom, "Highlighting cultural distinctions from multilingual Wikipedia" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013
9. P1.9 V.Kandiah, D.Shepelyansky, "Google matrix analysis of DNA sequences" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013
10. P1.10 D.Shepelyansky, "Google matrix and fractal Weyl law" "Advances in quantum chaotic scattering: from (non-)linear waves to few-body systems"", 6 - 13 Sept 2013, MPI Complex systems, Dresden
11. P1.11 Y.-H.Eom, "Highlighting cultural diversity via ranking of multilingual Wikipedia articles" European conference on complex system 2013, 16-20 September 2013, Barcelona

Partner 2 - University of Twente

12. P2.1 N. Litvak, "Quick Detection of Nodes with Large Degrees", 9th Workshop on Algorithms and Models for the Web Graph (WAW2012), Halifax, Canada, June 2012
13. P2.2 N. Litvak, "Uncovering disassortativity in large scale-free networks", 9th Workshop on Algorithms and Models for the Web Graph (WAW2012), Halifax, Canada, June 2012
14. P2.3 N. Litvak, "Uncovering disassortativity in large scale-free networks", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012
15. P2.4 N. Litvak, "Quick Detection of Nodes with Large Degrees", Synergic Investigations in Network Science, Bertinoro, Italy, October 2012
16. P2.5 N. Litvak, "Degree-degree dependencies in random graphs with heavy-tailed degrees", STAR Workshop on Random Graphs, Utrecht, The Netherlands, November 2012
17. P2.6 N. Litvak, "Uncovering the network structure in Big Data", Queueing Colloquium, CWI, Amsterdam, 19 april 2013
18. P2.7 N. Litvak, "Efficient detection of top nodes and trends in web and social networks", CTIT symposium, University of Twente, June 4, 2013

19. P2.8 N. Litvak, "Degree-degree dependencies in random graphs with heavy-tailed degrees", INFORMS Applied Probability Society conference, San Jose, Costa Rica, July 15-17, 2013

20. P2.9 N. Litvak, "Algorithms for Web graphs - can we handle big data?", OR2013 - the International Conference on Operations Research, Rotterdam, The Netherlands, September 3-6, 2013

21. P2.10 N. Litvak "Quick detection of nodes with large degrees " Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013

22. P2.11 Pim van der Hoorn "Degree-degree correlations in directed networks with heavy-tailed degrees" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013

Partner 3 - MTA SZTAKI, Budapest

23. P3.1 A.Benczur, "Facts on link analysis that all should know", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012

24. P3.2 R.Palovics, "Modeling network influences over Last.FM users", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012

25. P3.3 A.Garz, B.Darczy, T.Kiss, D.Siklasi, A.Benczur, "Cross-Lingual Web Spam Classification", The 3rd Joint WICOW/AIRWeb Workshop on Web Quality in conj. WWW 2013 Rio de Janeiro, Brasil, May 2013

26. P3.4 A.Benczur "Further plans and available data sets for research in directed networks" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013

27. P3.5 R.Palovics "Exploiting social influence in recommender systems" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013

28. P3.6 J.Gobolos-Szabo "Cross-lingual and temporal Wikipedia analysis" Directed networks days, LAW Computer Science Department, Università degli studi di Milano, Italy 13 - 14 June 2013

Partner 4 - University of Milano

29. P4.1 S.Vigna, "Four degrees of separation", ACM Web Science, Evanston, Illinois, USA, June 2012

30. P4.2 S.Vigna, "A critical, historical and mathematical review of centrality scores", ECT Workshop "Spectral Properties of Complex Networks", Trento, Italy, July 2012

31. P4.3 S.Vigna, "In-Core Mining of Large Networks", Brighton SEO, Brighton, UK, September 2012

32. P4.4 P.Boldi, "Four degrees of separation, really", ASONAM 2012 (The 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining)
33. P4.5 P.Boldi, "Arc-Community Detection via Triangular Random Walks", LA-WEB 2012 (8th edition of the Latin American Web Congress)
34. P4.6 P.Boldi, "Injecting uncertainty in graphs for identity obfuscation", SINS: Synergic Investigations in Network Science, Bertinoro, Italy, October 2012; Data Science in the Big Data Era, Telecom ParisTech, Paris, France, July 2013
35. P4.7 P.Boldi, "The centrality of centrality", Conference "Reseaux and individus, informatique et science sociales", Universite Paris-Diderot, December 2012
36. P4.8 S.Vigna "High-performance crawling: the state of BUbiNG" Directed networks days, LAW Computer Science Department, Universita degli studi di Milano, Italy 13 - 14 June 2013
37. P4.9 P.Boldi "Arc-community detection", "Injecting uncertainty in graphs for identity obfuscation" Directed networks days, LAW Computer Science Department, Universita degli studi di Milano, Italy 13 - 14 June 2013

NADINE partners will also actively look for other opportunities for dissemination at various international conferences and events. It is possible that P1 and P3 will organize a summer school for students on "Network analysis and applications". Presentations on physics workshops, like Conf. N 10 P1.10, will spread the information on spectral properties of directed networks to the physics community.

Outreach to European industry and networks

The NADINE partners will actively advertise the obtained results to European large companies and SMEs. For example, P4 has active contacts with Facebook and Yahoo! Representatives and we hope that EU companies will be also willing to use the expertise obtained in the frame of NADINE project. The public crawler of P4 will be of great interest to large companies and SME. For example, NOMAO.COM already expressed interest to this crawler.

The recommendation systems developed by P3 and P1 are applied to the data sets of votes for spots of Paris and France obtained from NOMAO.COM. This research line will be extended in the second half of the project.

In global the FET NADINE project addresses several classes of technologies: methods for Web crawling, efficient tools for large scale data analytics, spam filtering, efficient information retrieval. NADINE contributes in several ways in these four classes. We exploit existing open source projects, demonstrating their usefulness and making them accessible to an interdisciplinary audience. We will also develop our solutions, some of which are given back as extensions or new open source projects.

