



WP11 NA – Innovation and networking activities

D11.3

**First Annual report on NFFA-EUROPE
dissemination activities**

Expected date

M12



PROJECT DETAILS

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Publishable Summary

The dissemination and awareness activities of NFFA-Europe are crucial in the early stages of the project as they have the important task to make the academic community aware of the novel technology platforms and to explain the NFFA-Europe access offer. This communication activity consists of several different actions and, with the exception of one specific activity, has been very successful. The NFFA-Europe project has been presented at 13 conferences; the NFFA-Europe Newsletter has been designed with the first edition launched in December 2016. The connection to other international similar organisations in other continents has been initiated with contacts to the US Molecular Foundry and to the Chairperson of an Australian nanotech network, who was also invited to the NFFA-Europe kick-off meeting. The organisation of full NFFA-Europe sessions at scientific events is not yielding the hoped results and measures are under discussion to improve this action. Nonetheless, the overall impact is seen in the Trans-National Access programme of NFFA-Europe which has benefitted with information requests and proposal submissions.

1. Premise

Task 11.3 consists of four subtasks: 11.3.1 – Building up scientific awareness, 11.3.2 – Advertisement campaign, 11.3.3 - Dissemination programme, 11.3.4 – Outreach programme.

The activity within each subtasks are described in the sections below.

In order to allow a smooth and transparent running of the dissemination and awareness tasks, a set of terms of references (ToR) have been drafted and approved for the dissemination programme and for the building up scientific awareness. These ToR define the rules for accessing the NFFA-Europe financial contribution for organising special sessions in conferences and also to those NFFA-Europe members who help in building up scientific awareness as well as for the dissemination campaign. To this respect, two bodies have been established: the Dissemination Review Panel (DRP) with the task to manage the NFFA-Europe dissemination activity, and the Editorial Board (EB) with the task to manage the advertisement campaign and newsletters.

DRP Members	EB Members
Nuria Bariol (PRUAB)	Riccardo Brancaleon (Promoscience)
Flavio Carsughi (Juelich, Chair - Task 11.3 coordinator)	Flavio Carsughi (Juelich, Chair - Task 11.3 coordinator)
Narciso Gambacorti (CEA)	Regine Ciancio (CNR-IOM)
Ed Mitchell (ESRF)	Ed Mitchell (ESRF)

2. Building up scientific awareness

This subtask has the strategic role to spread awareness of the NFFA-Europe opportunity to the European scientific community, with the goal to increase the number of submitted proposals.

Eleven key events (A-K in the table below) have been selected where NFFA-Europe has or aims to be represented with a maximum impact in the earlier phase of the project. However, the list is active in the sense that further events are added where resources and opportunity allows – thus two further events (L-M) have been added to the list for consideration. AEM 2016 was considered after the successful participation to the ANM 2016, and ANNIC 2016 was considered because it was concomitantly with the NFFA-Europe TLNet meeting, held in Barcelona, Spain, on November 10-11, 2016.

The DRP selected the applications of NFFA-Europe members to present the project at conferences.

Approaching the scientific community present at European conferences is very efficient and in many events it was clear that very few participants were aware of the NFFA-Europe project. In total we approached a large number of scientists from European countries as well as from all over the world. Several thousands of scientists have been reached by this activity, with a significant fraction of industrialists.

The success of the proposal rounds for the TransNational Access is also related to the efficient awareness campaign; in order to have a more precise link between the campaign and the number of submitted proposals, a question will be included in the proposal form to know how the user has learnt about the NFFA-Europe TransNational Access offer.

This activity is progressing according to plan.

	Conference	Title	Dates	City, country
A		ESRF User Meeting 2016	08-10.02	Grenoble, F
B	SPIE 2016	Photonics Europe	04-07.04	Brussels, B
C	NanaX7 2016	Prospects of Nanoscience with Nanocrystals	04-08.04	Marburg, D
D	EMRS Spring mtg 2016	European Materials Research Society	02-06.05	Lille, F
E		Industrial Technology Conference - EU Presidency	22-24.06	Amsterdam, NL
F	nanoFIS 2016	Functional Integrated nanoSystem	27-29.06	Graz, A
G	ICEM 17	Internal conference on Experimental Mechanics	03-07.07	Rodos, G
H	NN16	NanoTexnology	05-08.07	Thessaloniki, G
I	ANM 2016	International Conference on Advanced Nanomaterials	20-22.07	Aveiro, P
J	MNE 2016	Micro and Nano Engineering	19-23.09	Vienna, A
K	ICRI 2016	International Conference on Research Infrastructures	03-05.10	Cape Town, SA

	Conference	Title	Dates	City, country
L	AEM 2016	Internal Conference on Advanced Nanomaterials	12-14.09	Guilford, UK
M	ANNIC 2016	Applied Nanotechnology and Nanoscience International Conference	09-11.11	Barcelona, S

The dissemination activity carried out at the conferences is listed below together with the person charged with the activity:

A - Plenary talk, E.Mitchell (ESRF)

B – Plenary talk and a small booth, E.Capria (ESRF) and D.Martin (ESRF)

C – Plenary talk planned; despite timely communications about our agenda constraints, the date and time were decided by the conference Chair without taking into account the constraints. Moreover, the planned date and time were communicated only one day before and it was impossible to organise the trip to Marburg. Unfortunately, the dissemination action at this conference had to be cancelled.

D – Plenary talk, L.Fonseca (UAB)

E – Booth, G.Rossi (CNR)

F – Plenary talk and a poster, F.Carsughi (FZJ)

G – Poster, A. Pagkozidis (FORTH)

H – Plenary talk and a poster, A. Pagkozidis (FORTH)

I – Plenary talk and a poster, F.Carsughi (FZJ)

J – Plenary talk and a poster, D.Kazazis (PSI)

K – Talk, M.Stankovski (ULUND)

L – Talks at each session, E.Capria (ESRF)

M – Plenary talk and a poster, F.Carsughi (FZJ)

The poster used at the conference is available in the Appendix A.

3. Advertisement campaign

The NFFA-Europe electronic Newsletter has been implemented. The Editorial Board prepared the following general contents that will be followed for each edition:

1. Editorial
2. Focus on methodologies and/or scientific achievements highlighting the core characteristics of NFFA-Europe (i.e. emphasis on the integrated and multidisciplinary character of the project)
3. Highlights of significant results (e.g. relevant papers or installations of new instrumentation at NFFE-Europe sites)
4. General news of relevance for the project
5. Forthcoming events
6. Job positions
7. Reminder on how to apply for access and relevant contact points

Exceptionally, the first issue of the NFFA-Europe Newsletter was based upon a more general description of the project and was distributed in December 2016. This was later than scheduled and is due to the following reasons:

- the implementation of the NFFA-Europe web portal had to be accomplished first
- the development of the concept took longer than originally planned
- the ToR of the dissemination programme needed to be approved

The first NFFA-Europe electronic Newsletter is accessible at the page <http://www.nffa.eu/news/newsletters/issue-1/> and a screenshot is visible in the Appendix B.

4. Dissemination programme

The NFFA-Europe project foresees the possibility to provide a financial contribution to organise a NFFA-Europe session in a scientific event. This financial contribution is intended to cover all of the costs associated to the NFFA-Europe session.

Unfortunately, no applications have been received for this task yet. A renewed promotion will be made rapidly for this subtask, with the strategy to be discussed among the DRP members.

5. Outreach programme


Contacts have been established with other similar international projects, such as the US DoE Nanoscale Science Centers and the Australian National Fabrication Facility (ANFF). As a result, Professor Rosie Hicks, as the Chair of the ANFF, was invited to the NFFA-Europe kick-off meeting held in Milan, Italy, on 11-12 April 2016.

Contact with Stefano Cabrini of the US Molecular Foundry has been established and the responsible person at the DoE, George Maracas, has been contacted.

This programme aims to create a worldwide network during the lifetime of the NFFA-project that survives also after the end of the EU grant. The actions of this task will be increased as the initial results of the NFFA-Europe access programme are seen and exchanges of best practice can be exchanged.

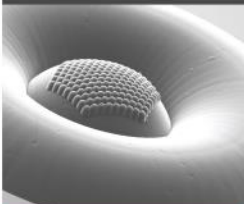
Appendix A. Poster

the widest range of tools for research at the nanoscale



**FREE TRANSNATIONAL ACCESS
FOR ACADEMIA & INDUSTRY**

LITHOGRAPHY & PATTERNING




Nanoengineered devices
High-resolution lithography for pattern generation; physical and chemical processes for pattern transfer and development; Ancillary processes for device making.

APPLICATIONS
Integrated circuits and microdevices; MEMS/NEMS (micro/nano electro-mechanical systems); Lab-on-chips, sensors, molecular detectors, bio-electronics, microfluidics


GROWTH & SYNTHESIS

Nanostructured materials and surface functionalisation
Layer-by-layer growth of thin films, multilayers and nanowires; synthesis of self-assembled monolayers, hybrid materials and nanoparticles; design of soft matter composites.

APPLICATIONS
Semiconductors, polymers and biomaterials; Electronics, optoelectronics, magnetic systems and spintronics; Catalysis; Energy conversion & storage




LABORATORIES



THEORY & SIMULATION

Atomistic computer modelling of materials
Scientific software, technical competences, and high-performance parallel computing for modelling the ground- and excited-state properties of nanostructured systems.

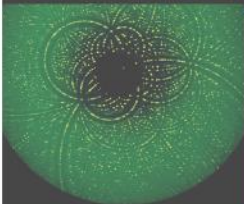
APPLICATIONS
Prediction and characterisation of structural, electronic, optical, magnetic and functional properties; Simulation and interpretation of spectroscopy and microscopy data; Insight and guidelines for the design, growth and synthesis of novel functional materials



CHARACTERISATION

Fine analysis down to molecular and atomic level
Structural and morphological properties; electronic and chemical features; magnetic and electric transport.

APPLICATIONS
Materials, surfaces and devices engineering; In-operando analysis; Interface behaviour analysis and design; Failure analysis and quality control



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You can also access our comprehensive research information on the **EU FP7 DATA REPOSITORY PLATFORM FOR NANOSCIENCE**



This research project has received funding from the EU's H2020 framework programme for research and innovation under grant agreement n. 654930

Appendix B. Newsletter

<http://www.nffa.eu/news/newsletters/issue-1/>



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First issue

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By *Giorgio Rossi* - Project coordinator

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