



# **Characterization Cluster meeting In EuroNanoForum**

**7<sup>th</sup> International Conference on Nanotechnologies and  
Advanced Materials,  
RIGA, LATVIA 12.6.2015**

**12/06/2015, TAU conference room**



## **Meeting Minutes**

**Editor:**  
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### **Discussion with partners:**

- The need for open innovation environment and validation was highlighted. European Characterisation Tools Cluster-ECTC has to show that is a valuable cluster that industry needs; a market pool from industry could be also considered. With organized support from modelling and characterization community, ECTC will bridge the targets towards end-users and suppliers, using common tools e.g. validation.
- Cluster Website: It was asked from partners to send comments for the ECTC website. The website is a powerful dissemination tool and it needs to be constantly updated. In this sense contribution from all partners will be appreciated.
- The need for a budget portion reservation was stressed for cluster activities in the next characterization calls (as already happened in calls related to nanosafety).
- A more active participation of industry within the Cluster is targeted. For that purpose the preparation of three different surveys was proposed that will be circulated to possible industrial partners, SMEs and Academic/Research centers respectively. The scope of these surveys is to give their perspective and expectations for their participation in such cluster.
- Link of Characterization Cluster with NanoSafety Cluster: The fact that a central component of nanosafety over the last 5-10 years has been the issue of nanoparticle dose-metrics and characterisation of nanomaterials in, gives the common ground for a direct link between ECTS and NanoSafety Cluster. This linking could use as a means to begin to extract and consolidate all the NMs tested in the different media compositions and to try to draw out some commonalities and some areas of divergence that could then be the basis for some joint activities to understand the source of this divergence. Additionally, ECTC could build on Round robin and validation activities undertaken within NSC projects such as QualityNano and NanoVALID, again ensuring hand-over of experience, information, lessons learned and to prevent the same mistakes being made over and over again.

### **Highlights from WG presentations:**

#### **WG1:**

- This group will work very closely with the WG2 (Standardization) and WG3 (SME & Industry) internally. The group will also act intimately with the Modelling/Simulation and Sensors sub clusters.

#### **WG3:**

- There is a need for product targeting calls in order for researchers to be able to do novel innovation.



#### WG4:

- There are already ongoing discussions with one of the biggest on the nano-characterization market, Bruker.
- **Combination** between advanced Modeling and Characterization tools can help models to give better/faster answers to new industry requirements. The key point is to develop a structured/robust **interface** to promote **communication** between the two worlds.

#### WG5:

- The ECTC website has been established. It constitutes a web-based dissemination tool that provides general information about the cluster itself (mission, goals and structure) and the people involved. It serves as a source of information for the general public interested in cluster's activities and events.

- Future improvements:

- **Partners area** (in which cluster internal information, such as the slide presentations of the meetings and the confidential documents, are be available to cluster partners)
- **Commenting system** (initially on partners' articles only)
- **Social media** (including Twitter, LinkedIn and blogs)

#### Decisions taken:

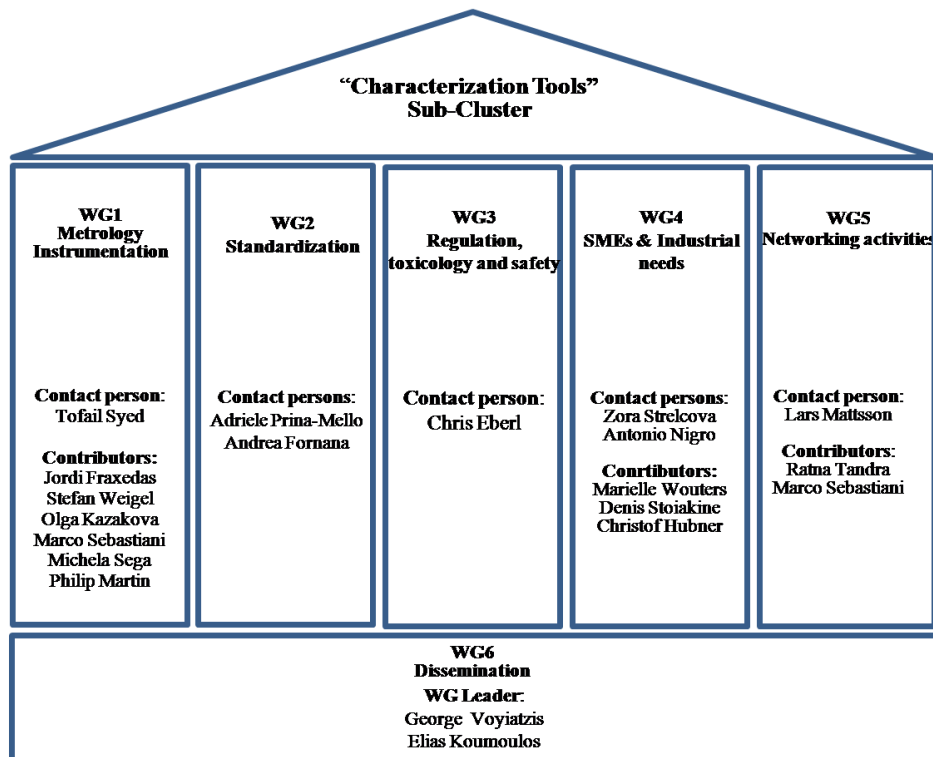
- Characterization Tools Cluster Coordination Team: Dr. Marco Sebastiani and Dr. Chris Eberl will take over the coordination of the Cluster with the assistance of PTA Costas Charitidis.

- Dr. Andrea Fornara will take over (along with Dr. Adriele Prina-Mello) the leadership of WG2 in place of Dr. Ratna Tandra who has already informed that to due special conditions will not be able to fully commit to the Tasks of the Cluster (the cluster hopes to welcome back soon Ratna). More contributors will be seeked for this WG.

- A new Working Group has been decided, by the leadership of Dr. Chris Eberl. This WG is entitled "Regulation, toxicology and safety".

After this addition, the Cluster structure is formed as following:





- Next Steering Committee meeting: 21 October in parallel with NanoNet Conference in Department of Physics & Energy, Materials and Surface Science Institute, University of Limerick, Ireland.

#### **Future actions:**

- An official excel form with a word project template will be developed, so as for projects to join ECTC. Projects, tools, outcome and measurable results will be identified.

- A business model for researcher is proposed, since DOI of published work does not lose validity. Databases and people that will benefit from databases should be identified. Quality Control System, Standard Operating Procedures, data digitization, automization process, level of data compression, together with formation of Research and Stakeholders Steering Committees and contact with Standardization bodies, ECTC will focus its activities and will establish its role through publication of position and discussion papers (Strategic documents).

- Possible participation in Euroscience Open Forum has been discussed.



## 2<sup>nd</sup> Characterization Cluster meeting Agenda

**Riga, Latvia  
Room: TAU**

**Friday 12<sup>th</sup> June 2015  
Start Time 10:30**

Time	Item	Name of presenter
10:30 - 10:45	Welcome and opening of the meeting	Hans-Hartmann Pedersen, EC Costas Charitidis, PTA
<b>WG Presentations/ Discussion</b>		
10:45 – 11:00	<b>WG1 Metrology/Instrumentation</b>	<b>Tofail Syed, LANIR</b> <b>Jordi Fraxedas, AIM4NP</b> Stefan Weigel, NANODEFINE Marco Sebastiani, I-STRESS Philip Martin, PLIANT
11:00 – 11:15	<b>WG2 Standardization</b>	<b>Andrea Fornara, NANOMAG</b>
11:15 – 11:30	<b>WG3 SMEs &amp; Industrial needs</b>	<b>Zora Strelkova, UNIVSEM</b> Antonio Nigro, LANIR Christoph Hübner, NANOONSPECT
11:30 – 11:45	<b>WG4 Networking activities</b>	<b>Lars Mattsson, NEMI</b> <b>Marco Sebastiani, I-STRESS</b>
11:45 – 12:00	<b>WG5 Dissemination/Presentation of website</b>	<b>Elias Koumoulos, FIBRALSPEC</b> Christos Tsakiroglou, NANOBARRIER
<b>12:00-12:30 Lunch break</b>		
12:30 – 14:00	<b>Discussion</b> <b>Selection of steering committee and coordinator</b> <b>Possible Funding</b> <b>Future planning</b>	All partners



## Attendance List:

NAME	FIRSTNAME	ORGANISATION
Charitidis	Costas	PTA
Fornara	Andrea	SP SVERIGES TEKNISKA FORSKNINGSINSTITUT AB
Fraxedas	Jordi	CSIC AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS
Gomes	S��verine	CNRS CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
H��bner	Christof	Fraunhofer-Institut f��r Chemische Technologie ICT
Martin	Philip	School of Chemical Engineering and Analytical Science
Mattsson	Lars	KTH - KUNGLIGA TEKNISKA HOEGSKOLAN
Nigro	Antonio	G.N.R.
Sebastiani	Marco	UNIVERSITA DEGLI STUDI ROMA TRE
Strelcova	Zora	TESCAN A.S.
Tofail	Syed	UNIVERSITY OF LIMERICK
Weigel	Stefan	RIKILT - Wageningen UR
Koumoulos	Elias	National Technical University of Athens
Hartmann-Pedersen	Hans	EC
Bondavali	Paolo	THALES Group
Bersani	Massimo	FBK-CMM-BRUNO KESSLER FOUNDATION
Purans	Juris	University of Latvia
D'Alberto	Sergio	LFOUNDRY
Eberl	Chris	FRAUNHOFER
Laskarakis	Argyris	LTFN
Zschech	Ehrenfried	



