



# WP2 Past & Planned activities

Tim Tsarfati



- Knowledge transfer (KT) activities help form links for exchanges between research institutes and industry
- Existing KT networks are used to disseminate relevant results and information during events with industry
- CERN is involved in several international KT networks:
  - EEN - Enterprise Europe Network, helping small business
  - ENET - CERN's network of KTOs in the Member States
  - HEPTech - KT of High Energy Physics technologies
- National KT activities, such as STFC Innovations Club workshops, also inform the participants about funding opportunities for innovation, KT and commercialisation
  - Aim is to collaborate with these networks rather than duplicate efforts in dissemination of the results

- Task 1: Coordination and Communication
  - Advertising and collaborating where appropriate with other WPs on networking events with industry
- Task 2: Transferring Innovation to Society (in particular Industry), grouped in two categories:
  - Technology scouting: interviews performed with the WPs to identify key technological areas within EuCARD-2 that may become future objects of dissemination activities and 'EuCARD² meets the industry' events
  - Technology promotion: actively marketing the technologies from EuCARD² with higher maturity rate to industry and to other research organisations outside the consortium

- **Organised/attended events with EuCARD<sup>2</sup> content**

Title of event	Date	Venue	Link to event or report
<b>Workshop on Advanced Materials and Surfaces</b>	<b>19-20.11.2013</b>	<b>CERN, Geneva, CH</b>	<b><a href="http://indico.cern.ch/event/229108">indico.cern.ch/event/229108</a></b>
Workshop on Accelerators for ADS	20-21.3.2014	CERN, Geneva, CH	<a href="http://indico.cern.ch/event/300409/">indico.cern.ch/event/300409/</a>
Hannover Messe	7-11.4.2014	Hannover, DE	<a href="http://cds.cern.ch/record/1709754">cds.cern.ch/record/1709754</a>
EnEfficient RF Source Workshop	3-4.6.2014	STFC, Daresbury, UK	<a href="http://indico.cern.ch/event/297025/">indico.cern.ch/event/297025/</a>
SEMI-THERM	15-19.3.2015	San Jose, US	<a href="http://semi-therm.org">semi-therm.org</a>
<b>Compact Accelerators for Isotope Production</b>	<b>26-27.3.2015</b>	<b>STFC, Daresbury, UK</b>	<b><a href="http://indico.cern.ch/event/366464">indico.cern.ch/event/366464</a></b>

## **Accelerators for ADS (WP4 event)**

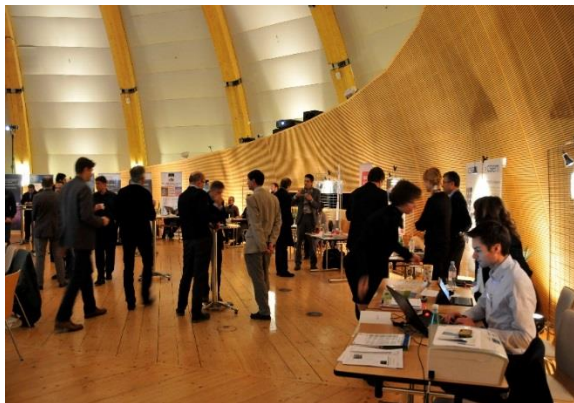
- Time ready to consider the diagnostics within the ADS accelerator R&D program; broader interest and profit from possible synergies with other programs
- For industrial applications, there are a number of well-defined accelerator requirements
  - Cost important; solution chosen among LINAC, Cyclotron or FFAG will be the one best fulfilling all these requirements

## **Energy Efficiency of Particle Accelerators (WP3 event)**

- Potential area of interest to industry, attending companies interested in participating to combined workshop with WP2

# Organised/participated events

- The EIROforum Science-Business workshop on Advanced Materials and Surfaces (WAMAS); valuable pilot with numerous follow-up inquiries via EEN
- Presentations at the Hannover Messe and SEMI-THERM reached a large base of relevant industry
- These events reveal strong interest in industrial applications of Thermal Management Materials (WP11)



WAMAS 2013



Hannover Messe 2014



SEMI-THERM 2015

- A combined (WP2 and WP4) industry workshop on Compact Accelerators for Isotope Production was organised last month
- Given the KT potential, a next combined (WP2 and WP11) industry workshop will be organized on advanced applications of materials for thermal management
- Development of identified materials towards industrial applications is also being supported by the CERN KT group in the framework of the KT funding scheme

- More events jointly organised with other WPs are planned around months 30 and 42 of EuCARD²
  - This deliverable gives an excellent overview of technologies being worked on and highlights particularly those ones which are closer to the market
- Planned workshop **organisation/attendance**:

Title of event	Date	Venue	Link
Applications of Particle Accelerators in Europe	18-19.6.2015	London, UK	<a href="http://indico.cern.ch/event/377384/">indico.cern.ch/event/377384/</a>
<b>Thermal Management Materials for Industry</b>	<b>4, 5 or 6.11.2015</b>	<b>CERN, Geneva, CH</b>	<b>To be prepared</b>