

Other opportunities for third country involvement (2014)

PACE-NET PLUS



PACIFIC-EUROPE NETWORK FOR SCIENCE, TECHNOLOGY AND INNOVATION

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Overview of topics

- Information and Communication Technologies (ICT)
- Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing
- Space
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Europe in a changing world – inclusive, innovative and reflective societies
- Secure societies – Protecting freedom and security of Europe and its citizens
- Science with and for society
- Euratom

Information and Communication Technologies (ICT)

Looking ahead to the 2015 calls...

International partnership building and support to dialogues with high income countries

- Provide for discussions with third countries on areas of common interest and to provide support to collaboration within the ICT research and innovation domains
- Australia, Japan, Korea, New Zealand, Singapore, Taiwan

Trans-national co-operation among National Contact Points

- May involve official ICT contacts from third countries

Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Exploiting the cross-sector potential of Nanotechnologies and Advanced materials to drive competitiveness and sustainability

- Materials solutions for use in the creative industry sector
- Widening materials models
- Materials-based solutions for the protection or preservation of European cultural heritage

Safety of nanotechnology-based applications and support for the development of regulation

- *(US, Canada, Australia, Korea, Japan, China, Brazil)*
- Coordination of EU and international efforts in safety of nanotechnology
- Assessment of environmental fate of nanomaterials

Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Addressing generic needs in support of governance, standards, models and structuring in nanotechnology, advanced materials and advanced manufacturing and processing

- Novel visualisation tools for enhanced nanotechnology awareness
- Networking and sharing of best practices in management of new advanced materials through the eco-design of products, eco-innovation, and product life cycle management
- Business models with new supply chains for sustainable customer- driven small series production
- Facilitating knowledge management, networking and coordination in NMP
- Practical experience and facilitating combined funding for large-scale RDI initiatives

Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

Cutting-edge biotechnologies as future innovation drivers

- Synthetic biology – construction of organisms for new products and processes

Factories of the Future

- Global energy and other resources efficiency in manufacturing enterprises
- Developing smart factories that are attractive to workers

Space

- **Releasing the potential of EGNSS applications through international cooperation**
 - European Global Navigation Satellite System
 - Transform research results into innovation in third countries
- **EGNSS awareness raising, capacity building and/or promotion activities, inside or outside of the European Union**
- **Transnational and international cooperation among NCPs**
 - Only NCPs from EU Member States, Associated Countries and other space faring nations and ACP (African, Caribbean and Pacific) countries which have been officially appointed by the relevant national authorities are eligible to participate in and receive funding for this action

Secure, clean and efficient energy

Enabling the decarbonisation of the use of fossil fuels during the transition to a low-carbon economy

- Enabling decarbonisation of the fossil fuel-based power sector and energy intensive industry through CCS

Fostering the network of National Contact Points

Smart, green and integrated transport

- **Traffic safety analysis and integrated approach towards the safety of Vulnerable Road Users**
- **Cooperative ITS for safe, congestion-free and sustainable mobility**
- **Safer and more efficient waterborne operations through new technologies and smarter traffic management**
- **Reducing impacts and costs of freight and service trips in urban areas**
- **Connectivity and information sharing for intelligent mobility**
- **Smarter design, construction and maintenance**
- **Next generation transport infrastructure: resource efficient, smarter and safer**
- **Next generation of competitive lithium ion batteries to meet customer expectations**

Europe in a changing world – inclusive, innovative and reflective societies

Looking ahead to the 2015 calls...

Europe as a Global Actor

- Enhancing and focusing research and innovation cooperation with the Union's key international partner countries
 - *(target Australia)*
 - New form of BILAT project (i.e. FEAST/CAESIE)

Secure societies – Protecting freedom and security of Europe and its citizens

Disaster Resilience & Climate Change

- Science and innovation for adaptation to climate change: from assessing costs, risks and opportunities to demonstration of options and practices

Science with and for society

- **Responsible Research and Innovation in Higher Education Curricula**
- **Supporting structural change in research organisations to promote Responsible Research and Innovation**
 - *(Australia)*
- **Reducing the risk of exporting non ethical practices to third countries**

Remember: become an evaluator

- Don't need to be a tenured professor... many postdocs have been evaluators
- It's all about the relevance of the topics
- Costs fully covered (€450 per day plus all travel and subsistence costs)
- About two working weeks of your time (some remote, some in Brussels)
- Network with similar researchers
- Learn the insider information
- Easy online registration (simply complete your profile):
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/>

Thank you

