



# Good practices on increased accessibility of research/innovation infrastructure to industry for testing, demonstration and co-creation

30 November - 1 December 2017,  
Quality Hotel 11, room K34,  
Gothenburg

## *Agenda*





## Content/Objectives

Today's rapid technological development will bring many opportunities to European industry, create new jobs and find solutions on societal needs. However, it is important that technological and scientific developments can quickly be turned into solutions serving society and strengthening the competitiveness of our companies.

Access to testbeds, both in "closed" environments<sup>1</sup> as well as in-real-life (IRL), is often crucial in the innovation process to faster bring high value solutions to the market. Testbeds, or rather test environments, do not only speed up the process but they also reduce risk and contribute to the acceptance of new products or concepts.

This is particularly important for SMEs and start-ups that often lack resources themselves to test their ideas and innovations. As shown by a recent EARTO study<sup>2</sup>, the European landscape of start-ups is deeply rooted in technological development rather than mainly based on software applications as in the USA. The EU-type deep-tech start-ups have great life expectancy and low rate of failure, but need more support to reach the market place, even if this is generally compensated at a later stage.

Europe's Research and Technology Organisations (RTOs) provide a backbone of testbeds and often also operate testbeds for other actors, e.g. regional or public organisations. RTOs provide not only the physical facility and test environment, but also technical and scientific expertise, and often act as hubs in networks together with other actors such as universities and companies within the research and innovation eco system and innovation support. Such testbeds, or innovation infrastructures provide clients with independent, confidential services and with experience to work with a broad range of stakeholders, from academic institutions to small companies.

However, the knowledge about testbeds is generally quite limited among companies. In addition, services provided to facilitate the use of testbeds are in many cases not so well developed, in particular towards SMEs. In a recent national programme in Sweden, RISE Research Institutes of Sweden operating around 100 testbeds, developed methods to increase the access to test- and demonstration facilities. One focus of the project was to facilitate access for SMEs. Similar developments are now being looked into in other Nordic countries.

The Joint Research Centre of the European Commission (JRC) has started a programme to open up its research infrastructures to collaboration with external partners/users both from industry, academia and RTOs. The JRC hosts world class research infrastructures but has until recently mainly been used by the JRC or in projects where the JRC is partner. The decision to open up the facilities is an important step forward towards increasing the opportunities to meet challenges and increase companies' competitiveness.

RISE, Research Institutes of Sweden, and Teknikföretagen, the Association of Swedish Engineering Industries, organised on 26 June 2017 in Brussels a lunch debate to discuss the need for a comprehensive strategy for test and demonstration environments at European level. One of the conclusions of the lunch debate was to organise a following up discussion in Gothenburg.

As a follow up from the lunch debate in June in Brussels, RISE and Teknikföretagen, together with the Joint Research Centre (JRC), warmly invite you to a two-half days workshop to discuss next steps towards a concrete proposal on how to maximise the use of test and demonstration environments in Europe. The workshop is organised in the frame of the TTO-CIRCLE network<sup>3</sup>. The JRC and, in particular, its Unit "Intellectual Property and Technology Transfer", is in possession of operational and technical expertise in the domains of Technology and Knowledge Transfer.

The aim of the workshop is to:

- Bring forward the discussion on how to develop a strategy for test and demo infrastructures at EU level and how to integrate different sorts of infrastructures into attractive and globally leading innovation environments.
- Review different approaches for e.g. business models, quality controls, IPR conditions, funding opportunities, etc., with a view to their possible harmonisation.
- Explore synergies with the [ESFRI network](#).
- Look into possibilities for In-Real-Life test and demo sites such as cities.

1 A test environment would include a number of different tests and demonstration facilities, ranging from university facilities to IRL tests and demonstrations.

2 EARTO - How to Exploit the Untapped Potential of RTOs Deep-Tech Start-Ups in Europe.

3 The TTO CIRCLE is a network of the technology transfer offices of the large European RTOs with a view to identify possible harmonised approaches, simplification and cross-border collaborations.

- Explore ways of open innovation partnerships, e.g collaboration SME - larger corporates.
- Identify possible pilot activities to implement in the frame of the Support to the TTO Circle network.
- Give guidelines to the JRC how to further make their infrastructures available for external use.

The conclusions of this meeting will feed into broader political developments, on how to maximise the use of test and demonstration facilities in Europe. RISE and Teknikföretagen would like to see a comprehensive European strategy to implement “Testbed Europe” in the frame of EU, national and regional programmes to implement the strategy.

## **Participants**

The workshop aims at bringing together company representatives, RTOs and academia, participants of the TTO-CIRCLE and policy makers at regional, national and EU level.

## **Practical info:**

### **Dinner, 30 November**

Hotel Villan

Sjöportsgatan 2, 417 64 Göteborg, Sweden

Thursday 30 November

# Good practices on increased accessibility of research/innovation infrastructure to industry for testing, demonstration and co-creation

Co-chairs: **Giancarlo Caratti**, Head of Unit IP and Technology Transfer, Joint Research Centre, European Commission  
**Olof Sandberg**, Strategic Public Affairs, RISE AB

**12:00 - 13:00**

*Registration & buffet lunch*

**13:00 - 13:45**

*Welcome addresses*

**Ann-Sofie Hermansson**

Mayor, Gothenburg Municipality

**Klas Wählberg**

CEO Teknikföretagen

**Giancarlo Caratti**

Head of Unit IP and Technology Transfer,  
Directorate-General Joint Research Centre,  
European Commission

**13:45 - 14:30**

*Keynote speeches*

*Synerleap, an innovation accelerator*

**Helena Malmqvist**

Head of External Research Collaboration, ABB  
Sweden

*The Role of RTOs in Innovation Hubs*

**Sophie Viscido**

Policy Officer, EARTO

*The ESFRI Research Infrastructures in the  
innovation chain: diversity of their industrial  
interactions*

**Jean Moulin**

BELPSO Honorary General Advisor

**14:30 - 15:45**

*How RTOs support innovation through test and  
demonstration facilities*

**Moderator: Olof Sandberg, Strategic Public  
Affairs, RISE**

**Carlo Rizzuto**

Director General of ELI Delivery Consortium  
International Association Digital Innovation hub  
survey

**Maurits Butter**

Senior researcher and R&I Advisor, TNO

**Sébastien Sylvestre**

Technology Transfer Officer, CEA

**Thomas Bergs**

Managing Director, Fraunhofer IPT

**Leena Sarvaranta**

Vice President EU Affairs, VTT

**Martins Rutkis**

Director, ISSP UL, University of Latvia

**15:45 - 16:00**

**Coffee Break**

### **16:00 – 17:15**

*Test and demonstration environments, key to sustainable growth and jobs*

**Moderator: Magnus Olsson, Head of Test and Demostration Office, RISE**

#### **Round table:**

**Lars-Henrik Jörnving**

Vice President, Global Industrial Development, Scania

**Hans Bergström**

Director Technology, Ericsson

**Staffan Nordlinder**

CEO, DP Patterning

**Jan-Eric Sundgren**

Senior Advisor

### **17.15 – 18.00**

*Why testbeds are important for attraction*

**Johanna Carnö**

Deputy Director, Ministry of enterprise and innovation, Sweden

### **18.00 – 18.30**

*Before In-Real-Life – presentation of AstaZero*

**Monica Ringvik**

CTO, AstaZero

### **20.00 – 22.00**

*Reception and dinner*

Friday 1 December

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Olof Sandberg, Strategic Public Affairs, RISE AB

**08.30 – 09.00**

*Registration & welcome coffee*

**09.00 – 10.30**

*Parallel sessions. From research infrastructures to in-real-life testing. A workshop on elements of a strategy.*

Knowledge management in inter-organisational collaborative environments (the case of research infrastructures and testbeds)

**Moderator:** Ulf Petrusson, Director of the Centre for Intellectual Property and Professor of Law, University of Gothenburg

What should test-beds offer to attract industry, particularly SMEs? ?

**Moderator:** Leena Sarvaranta, Vice President EU Affairs, VTT

**10.30 – 10.45**

*Coffee Break*

**10.45 – 11.00**

*Wrap up parallel sessions*

**11.00 – 12.15**

*Prospects for EU policy support*

**Moderator:** Björn Stigson

**Round table:**

**Laure Baillargeon**

Policy Officer, DG Internal Market, Industry, Entrepreneurship and SMEs, European Commission

**Fabio Taucer**

Policy Officer, Directorate-General Joint Research Centre, European Commission

**Laura Esposito**

Policy Officer, Research Infrastructure, Directorate-General Research and Innovation, European Commission

**Soren Bowadt**

Deputy Head of Unit, Advanced Materials and Nanotechnologies, Directorate-General Research and Innovation, European Commission

**Tapio Virkkunen**

Policy Officer, DG Communications Networks, Content and Technology, European Commission

**12.15 – 12.45**

*Closing Addresses and next steps*

**Pia Sandvik**

CEO RISE

**Vladimir Šucha**

Director-General, Directorate-General Joint Research Centre, European Commission

**12.45 – 14.00 Closing lunch**

