

**EARTO-EIRMA
Joint Conference 2015**

**Infrastructures and Resources
Sharing between Industry & RTOs
in Europe**



Session 3

Lessons Learned: “You Are What You Share”

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Lessons learned – Ecosystems

- ◆ Trieste Elettra Sincrotrone – facilitating access
- ◆ P&G's BiRD environment – knowledge & infrastructure ecosystem
- ◆ IMEC - Europractice Framework Brokered sharing for design tools and multi-project wafers
- ◆ IMEC - Lab to Fab – Clean Room global community of long-term strategic partnerships (600 concurrently); businesses & universities

- ◆ Challenges
 - ◆ Practical 'physical' things – IT systems, physical & IP security etc.
 - ◆ Use constraints – quality of science, capacity, ROI, awareness
 - ◆ Experience gaps for SMEs
 - ◆ Physical size of a collaboration environment – 1 day drive?
 - ◆ Lack of EU instruments for large-scale innovation enablers – 2 Bil. Euros but NO CONSTRUCTION!!
 - ◆ Size of investment for technology infrastructure
 - ◆ Need to 'go shopping' with partners for public & private investment

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Lessons learned - Scope

- ◆ Key role of infrastructure sharing in innovation – new approaches
 - ◆ Across the value chain – temp & permanent co-locations
 - ◆ Supply chain
 - ◆ Pre-competitive innovation
- ◆ Collaboration considerations
 - ◆ Develop or in-source – driving platform capability
 - ◆ Innovation productivity of different locations
 - ◆ Co-located technologies depend on company scope
 - ◆ Manage the collaborative network to drive success
 - ◆ Preserving/enabling skills development

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Lessons learned – Speed & Reach

- ◆ The power of Master Collaborative Agreements
 - ◆ Rapid ‘informal’ process to share people & infrastructure
 - ◆ Long-term agreements are more productive on both sides
- ◆ Preserving agility – products & business environment
 - ◆ E.g. Uber – no assets or infrastructure
 - ◆ “Give to Get” collaborative approach – first customer model
- ◆ Benefits of EU
 - ◆ The close proximity of large talent pool
 - ◆ EU consensus = stability v. US short-termism of business & Gov.
 - ◆ EC facilitates sharing through H2020 – preserving the long-term view
 - ◆ Charter of Access – a clear approach to infrastructure sharing
 - ◆ Non-binding priority setting for research infrastructure needs – national, EU & global
 - ◆ ERIC process

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Lessons learned – Key Benefits

- 💧 The need for human connection
- 💧 Developing infrastructure to enable fast, win-win collaboration & synergistic innovation, improving platform technologies
- 💧 Multiplier effect of accelerators – benefits of smart specialisation within regions
- 💧 Need to add value to drive uptake e.g. Optimal use of expensive equipment/facilities for range of stakeholders – access/speed/repeatability (DON'T TOUCH!!)
- 💧 Need to rebalance financial incentives towards industry