Call to Action for better integration of e-Infrastructure and RI development

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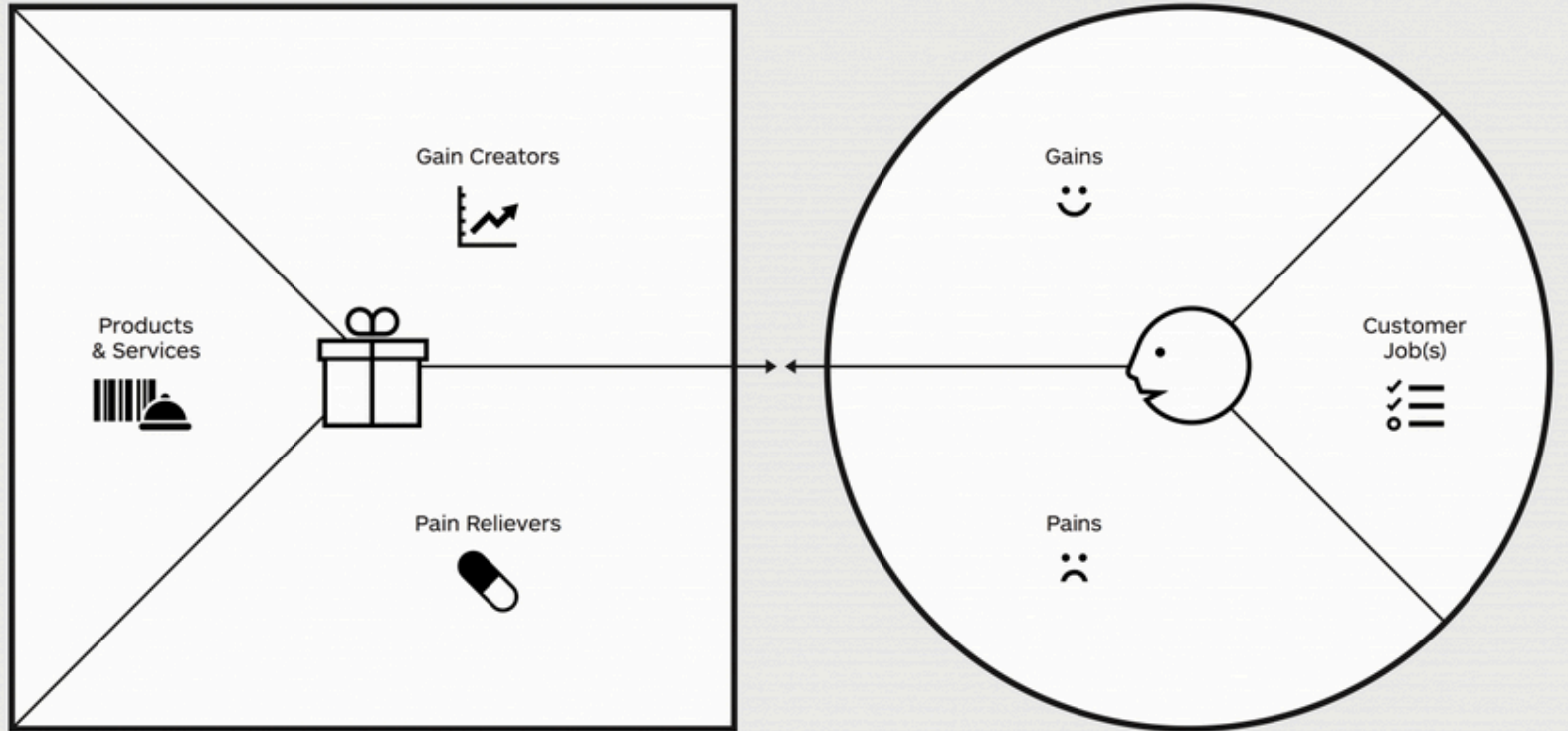**Tiziana.Ferrari@egi.eu**

Value Proposition and Sustainability

- RIs and e-Infrastructures = value delivery systems

Value = benefits - costs

- Developing a value proposition is based on a review and analysis of the benefits, costs and value that an organization can deliver to its customers, prospective customers, and other constituent groups within/outside the organization.

- "Satisfying customers is the source of sustainable value creation" [Norton, Kaplan]

- Customers vs users
  - Researchers have limited/no buying power because of national procurement regulations

Value Proposition Canvas

RI/e-Infrastructure Integration: Benefits

- Decrease costs by aggregating demand for common services and achieving economies of scale
  - Reduce duplication
  - Shift RI focus on specialization and unique value proposition
- Increase value by supporting the whole research lifecycle through e-Infrastructure/RI partnerships
  - From data generation to knowledge extraction
  - Develop a culture of sharing, use and reuse
  - Support multidisciplinary science
- Success stories in EGI experience
  - 200 research projects, 15 ESFRI landmarks/projects relying on EGI federation services

RI/e-Infrastructure Integration: Obstacles

Various funding and procurement models

Central (co)funding, national funding agencies, in-kind contributions from RI partners

RI centrally managed procurement vs national procurement

National research funding under pressure

Increasing demand not matched by adequate funding

Different business models

Recovery of costs by charging end-users (self-service provisioning on the market)

National/Central funding with free-at-point-of-use access (RI coordinated procurement)
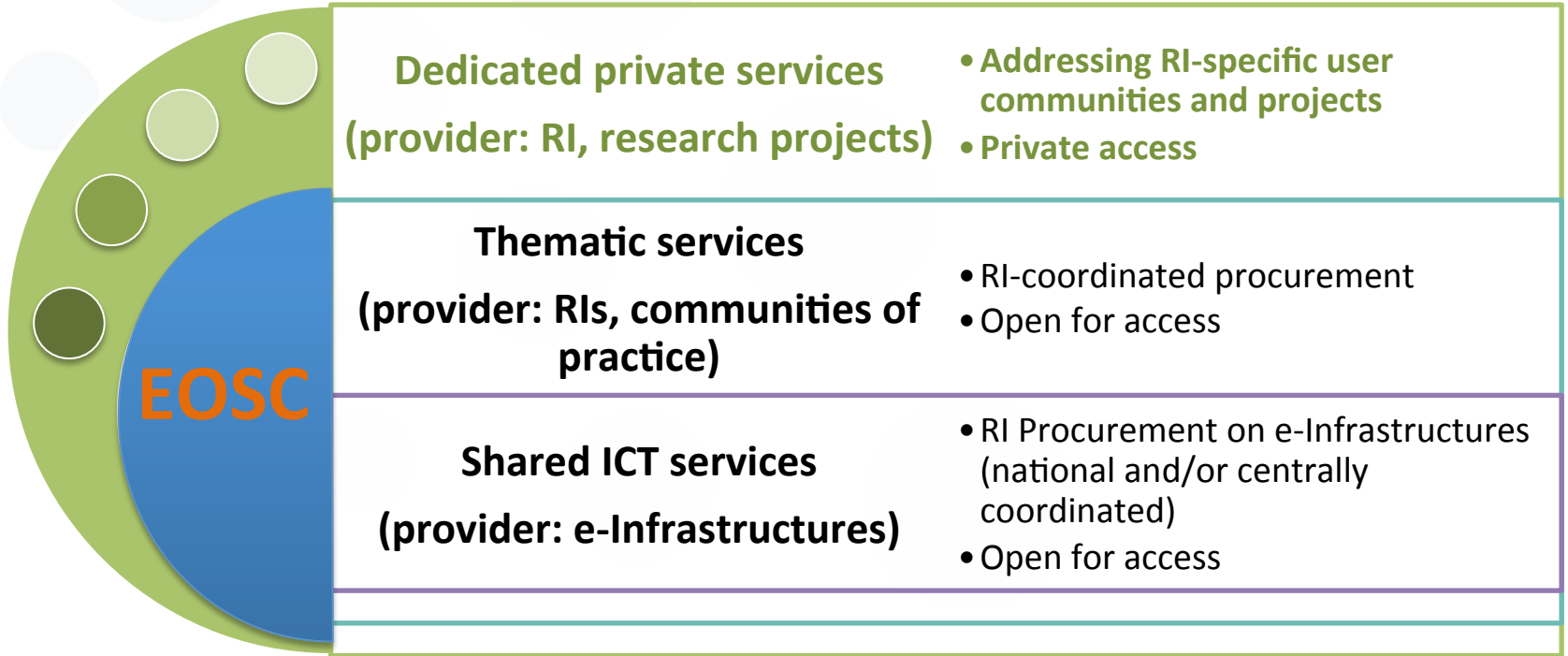
Virtual/Transnational Access

Restricting access policies

Nationally funded and procured infrastructures limiting access to national user communities or to international user communities with national presence

Limited collaboration in design and coordinated provisioning

RI/e-Infrastructure collaboration necessary for co-design and innovation

RI and e-Infrastructure collaboration in EOSC

EOSC

Dedicated private services (provider: RI, research projects)	• Addressing RI-specific user communities and projects • Private access
Thematic services (provider: RIs, communities of practice)	• RI-coordinated procurement • Open for access
Shared ICT services (provider: e-Infrastructures)	• RI Procurement on e-Infrastructures (national and/or centrally coordinated) • Open for access

Study of RI business and procurement models for ICT service provisioning, provide recommendations to funding agencies

Objective: define opportunities, barriers, compare business models

– An essential building block to design business models for the EOSC

– EGI-Engage study on cross-border procurement of e-Infrastructures services 4 RIs involved: DARIAH, EPOS, BBMRI and LifeWatch (due: Feb 2017)

→ Proposal to ESFRI: extend EGI study with additional RIs in implementation stage to provide recommendations to funding agencies. ESFRI to disseminate the report to and solicit feedback:

– e-IRG delegates: to understand MS funding strategies to support e-Needs

– ESFRI projects: to understand e-Needs in relationship to business models

Define a RI/e-Infrastructure common service catalogue, extending CNET initiative involving e-Infrastructures

Objectives
- For customers & users
  - Simplify discoverability of services
  - Better understand their relevance
  - Identify similar offerings or gaps
- For service providers
  - Provide shared language for service descriptions
  - Increase visibility of service offerings
- For funding agencies
  - Improve communication of what they support
  - Supports evaluation of policy impact

→ Proposal for ESFRI: facilitate, monitor, update

Call to action 3/3

> Improve e-Infrastructure/RI from design to implementation
> to support e-Needs: from requirements
> to service technical specification

– RI cluster projects are useful instruments to jointly define strategies towards common needs

→ Proposal for EC

– Provide instruments for e-Infrastructure/RI collaboration from design to implementation stage