"The RISCAPE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 730974."

European Research Infrastructures in the International Landscape

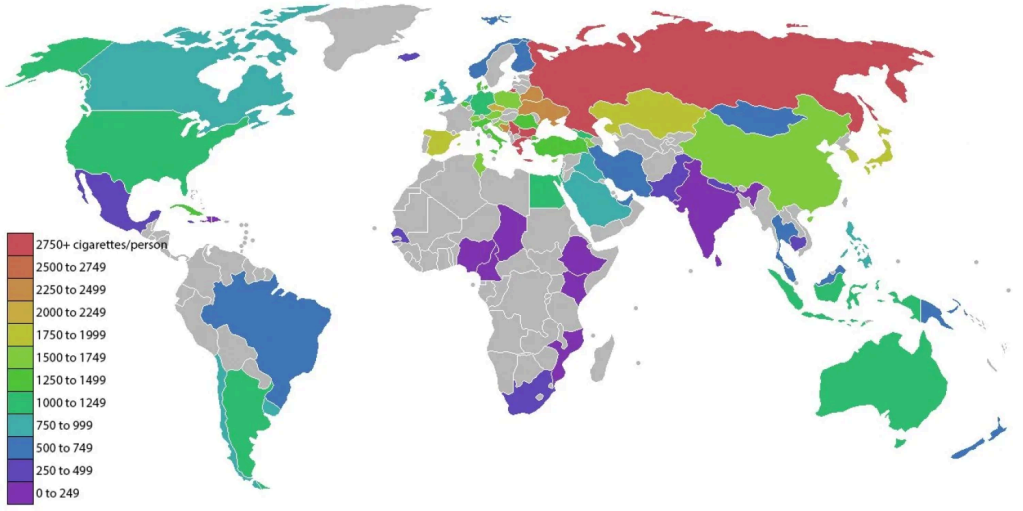
RISCAPE: initial results on digital infrastructures

Dr. Roberta Piscitelli
Strategy and Policy Officer, EGI Foundation

What is a landscape analysis?

Landscape analysis

A Landscape analysis is a type of organizational analysis, where information of the main actors of some specific field are systematically collected.



Many similarities to the geographical map making:

One needs to **select viewpoints** and **parameters** to map

It is important to be **consistent** throughout the analysis

Never perfect representation of reality

What are Research Infrastructures?

According to ESFRI

Methodology

Defined processes for transparent analysis

- Define goals and stakeholders
- Select scope
- Identify targets
- Define tasks and responsibilities
- Define methods

Project Timeline

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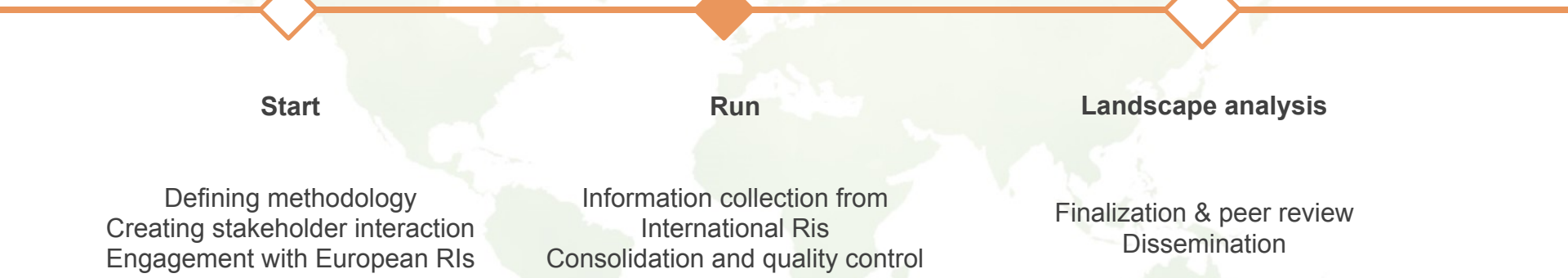


Partners and scientific fields

The RISCAPE consortium

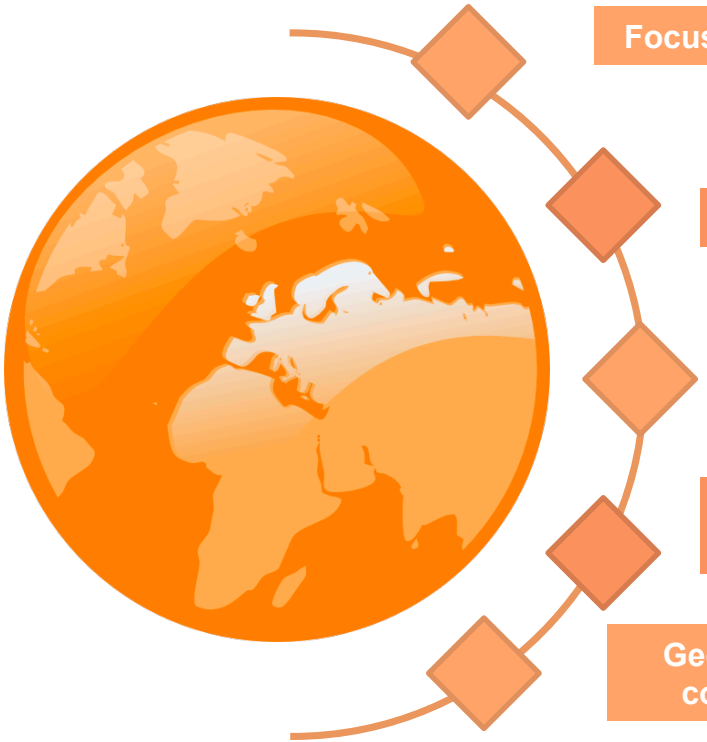
Common methodology, but domain aware

Experience of leading European RI expert from domain fields

Built on existing landscape analyses (GSO,ESFRI, ..)

Mapping Digital Infrastructures

Interviews topics



Focus and mission — Supporting science, specific societal/environmental challenges

Long term vision — Existence of business plans & statutes, sustainability

Services & facilities — Technical facilities, key services(data, compute, storage, network) and related access, open data policies

Impact & access — How is impact followed? Can European researchers access their services? How do you compare with EU infrastructures?

Geographic coverage

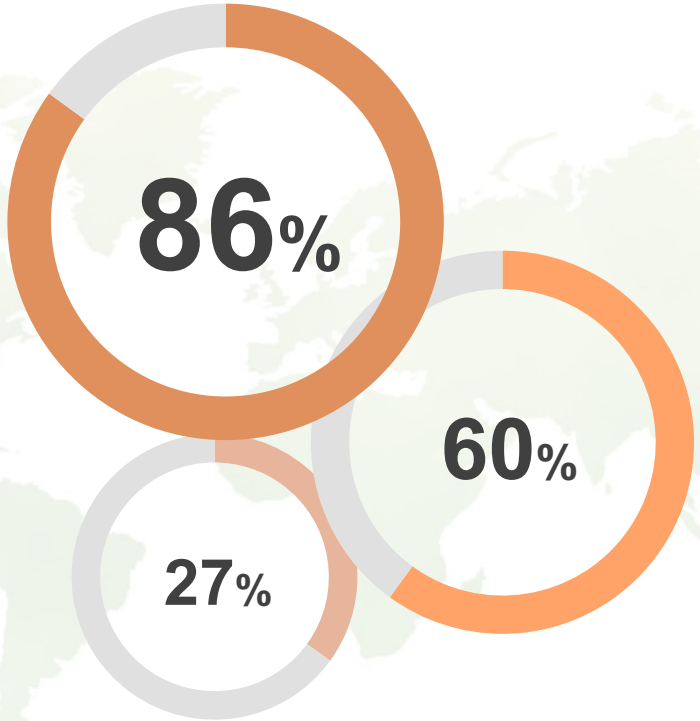
Preliminary Results

70% open for external user access with no specific quotas,

60% follows scientific impact, either with publications or use cases

40% Data policy available

Geographical areas covered: Africa (Central/North/South), Australia, Canada, New Zealand, Latin America, United States, Asia, New Zealand



Sustainability:

86% Government funding or Project funding

The remaining percentage uses Members fees

5% offers services by users

60% Defined business plan or statute

All the interviewed infrastructures have a long term plan

27% Focused on specific scientific domains

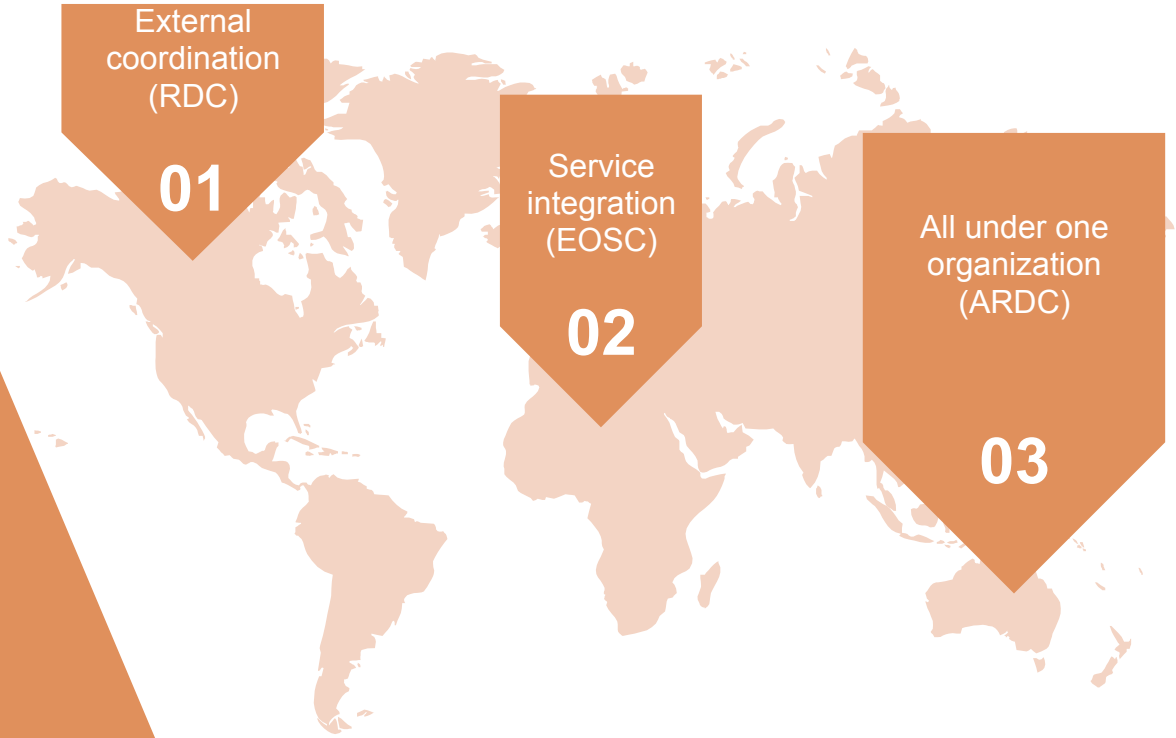
All the infrastructures have the goal of supporting open science, trying to increase productivity of researchers.

Comparing with EU infrastructures

36% has a broader offer

Less than 1% has a broader scope

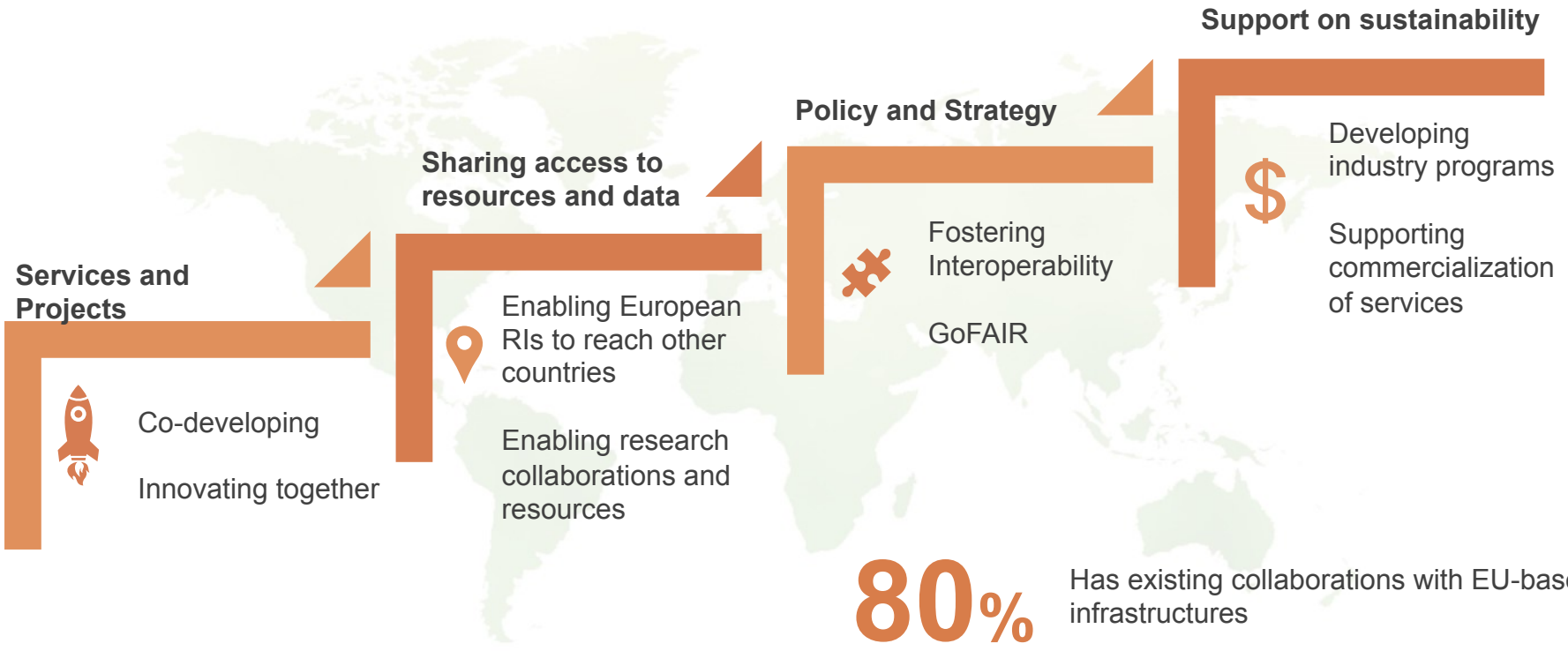
Service area



Governance

Collaborating with EU infrastructures

Areas of possible collaborations



80% Has existing collaborations with EU-based infrastructures

Comments

"Science is a team sport and more and more often it is an international team sport. Cyber-infrastructures need to adjust to the social arrangements that drive the science which is also of international nature.
In many scientific endeavors, humans are the most important and the most costly asset. Humans are distributed, and cannot be easily relocated;
cyber-infrastructures need to be able to work with this distributed nature of humans in order to be the most effective."

Frank Wuerthwein, Open Science Grid

Open Questions

What kind of further collaboration with European RIs could possible on your opinion?

Which topics would you like to see in a landscape analysis?

Thank you!

Questions or Comments?