



**Research  
Infrastructure  
Landscape  
FIRI Roadmap Call  
2020**

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# Strategy for Research Infrastructures in Finland 2020–2030



## Main strategic objectives

- Promoting the quality, renewal and competitiveness of research
- Strengthening the broad-based impact of research environments
- Increasing national and international cooperation

# National and international relevance

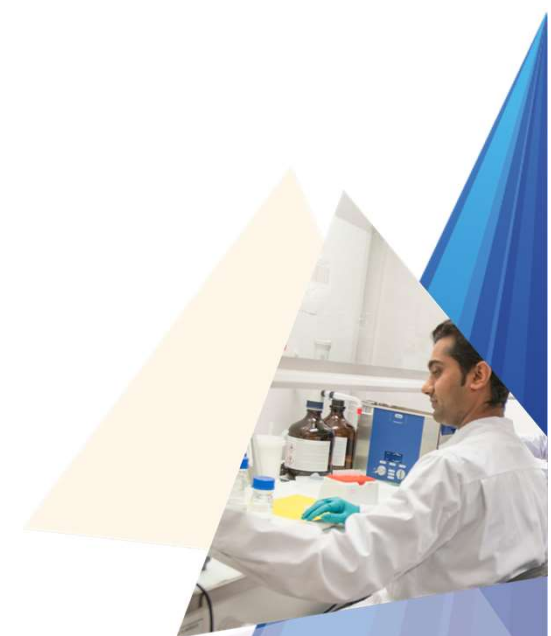
1. Strategic significance of research infrastructure for Finland
2. Added value of research infrastructure:
  - society, at large
  - innovation activities, business and economy
  - through global cooperation (e.g. mutual mobility) of the Finnish research community



# Significance of research infrastructure in promoting the quality, renewal and competitive ability of scientific research

## Landscape-related questions in the guidelines for the action plan

- How does the position and significance of the research infrastructure strengthen the national and international research environment?
- How is the research infrastructure linked to or how will it be linked to the existing national and international research infrastructures and research field?
- How do the networks of the research infrastructure contribute to collaboration in national and international research, education and innovation?



# International memberships

What is the significance of the international research infrastructure membership to:

- Finland
- Finnish research
- Society at large?

*Question only relevant for research infrastructures that function as a national node in an international research infrastructure that Finland is a member of.*

## General comment from the FIRI2019 panel on description of position

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*Adjacent RIs should be advised about how to position themselves with respect to each other.....No RI can be expected to do everything.*

## Position of research infrastructure in the national and international landscape

How the research infrastructure fits into the landscape must be clear from the action plan

- It is important to show that other infrastructures are doing and that there is no significant overlap between them.
- Collaboration with other infrastructures is seen as an advantage, ideas and/or plans of collaboration also good.

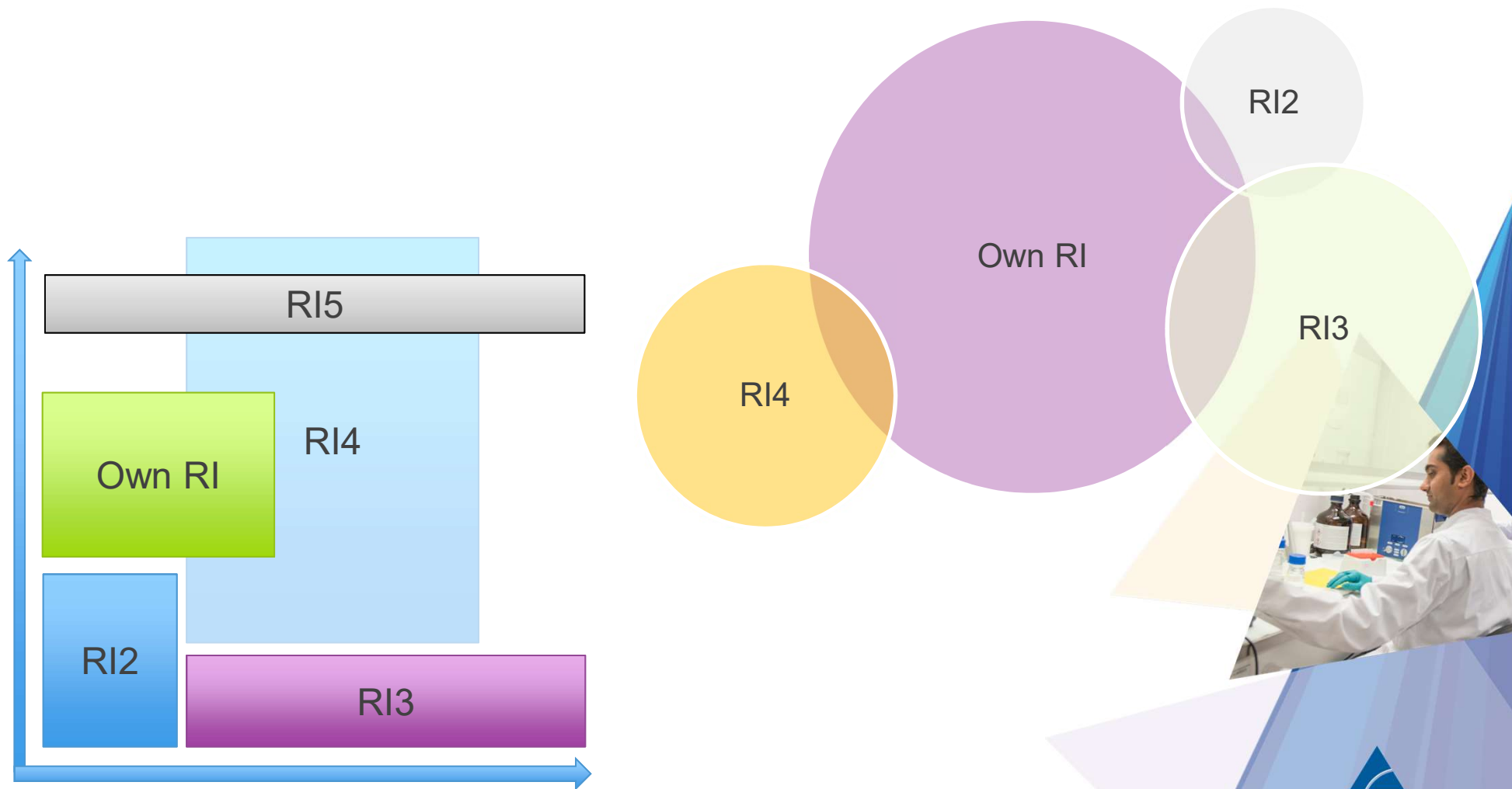
Research infrastructures should be national, *i.e.* it should be clear that the RI is not solely local

- Providing services
- NOTE: open access  $\neq$  free of charge access



# Position of infrastructure in national and international landscape

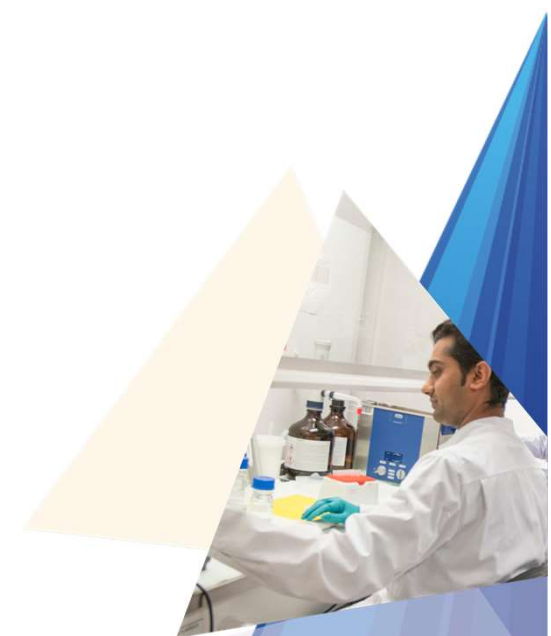
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## Panel feedback on description of position

- Overlaps with XXX
- A lot of collaboration described, but difficult to assess the degree of collaboration in reality
- Who are the national collaborators?
- The RI is totally local, not connected to XXX or YYY
- This RI has the potential and commitment to become a national RI, but is not there yet (still too local)
- The only other country this proposal mentions collaborations, is XXX. It is clear that some other institutions from Finland might be engaged to contribute to the success of the project
- It is not clear how this organization relates to other similar organizations in different parts of the world working with similar issues



## Positive panel comments on positioning

- Unique in the national landscape
- Very clear and of international interest
- Fills a gap indentified by ESFRI
- The RI substantially contributes to the development of Finnish research and enable strong contributions to international networks
- the RI is at the very leading edge nationally and internationally



```
def _operation = "mirror_z")
    mirror_mod.use_x = false
    mirror_mod.use_y = true
    mirror_mod.use_z = false
elif _operation = "mirror_y")
    mirror_mod.use_x = false
    mirror_mod.use_y = false
    mirror_mod.use_z = true

#selection at the end -add back the deselected mirror modifier
mirror_ob.select= 1
modifier_ob.select=1
bpy.context.scene.objects.active = mirror_ob
print("Selected" + str(modifier_ob)) # modifier ob is the active ob
mirror_ob.select = 0

```

# Thank you!

Questions and comments  
welcome

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