Registration form Landscape LSRI

You can sign up your research infrastructure to the Landscape LSRI by completing and submitting this online form, accompanied by a cover letter by email to pc-gwi@nwo.nl from the board or the director of the research organisation acting as the official secretary of the (prospective) LSRI.

Landscape for large-scale research infrastructure
The Landscape for large-scale research infrastructure (LSRI) provides an overview of (plans for) research infrastructure (RI) available to researchers in the Netherlands, to which the Netherlands contributes to the construction or establishment. RI on the Landscape promote a policy of open access for research and have a size of at least 10 million euros in terms of capital investments and operating costs over a period of five years. All research infrastructures that satisfy the definition of LSRI are included on the Landscape LSRI. The Landscape LSRI covers the entire spectrum of scientific research.

Through the Landscape LSRI a research infrastructure can gain visibility to potential users. The Landscape LSRI is also valuable for policy makers and ministries as the overview forms the basis and starting point for formulating strategies for funding research infrastructures in the Netherlands.

Relation between the Landscape LSRI and the Roadmap
Every five years and in consultation with the research field, a subset of LSRI and LSRI-plans from the Landscape are selected and published in the *National Roadmap for LSRI* (short: Roadmap). The research infrastructures selected for the Roadmap are considered to be of national importance and of the highest priority for the research community to enable scientific breakthroughs. Every two and a half years NWO publishes a call for proposals for consortia that are associated to LSRI included on the Roadmap to apply for funding for the realisation of their research infrastructure plans.

About the registration form for the Landscape LSRI
This registration form is aimed at research infrastructure (plans) that satisfy the definition of LSRI.

- Please submit details for only one infrastructure per form.
- For distributed LSRI we request that only one form is submitted on behalf of all partners.

Submitting the form
1. Fill out and submit the form via the online tool.
2. Ask the board or director of the knowledge institution that acts/will act as the official secretary of the (envisaged) research infrastructure to mail a cover letter to pc-gwi@nwo.nl.

Registration is open on an ongoing basis.
We are available to respond to questions via pc-gwi@nwo.nl.

Instructions
Questions indicated by an asterisk (*) are compulsory.

Some of the information will be published on the Landscape LSRI website. This is indicated with the symbol 🌐 in the questionnaire.

Please note that when you close the session, your answers will not be saved. Therefore, it is advised to prepare the questionnaire before filling out.

Definitions

Research infrastructure (RI): *Research infrastructure means facilities, resources and services for the research communities with the aim to conduct research and foster cutting-edge research in their fields. RI include: the associated human resources; major equipment or sets of instruments; knowledge-related facilities such as collections, archives or scientific data infrastructures; computing systems, communication networks, and any other infrastructure of a unique nature and open to external users, essential to achieve excellence in research and innovation. RI may, where relevant, be used beyond research, for example for education or public services and they may be single sited, multiple sited, virtual or distributed. (Cfr. ESFRI).*

Single-sited RI: *Single-sited RIs are central facilities geographically localised in a single site or in a few dedicated complementary sites designed for user access.*

Multiple-sited RI: *Multiple-sited RIs are facilities located at several sites that form together one RI. A multiple-sited RI includes a user support structure to optimise access to the relevant site and has in place a long-term planning for the sites throughout its life cycle.*

Distributed RI: *A distributed RI consists of a central hub and interlinked nodes. It contains a common and consistent access policy across all nodes, provides a single point of access for all users and possesses a defined joint investment strategy across the nodes and the common/shared facilities.*

Virtual RI: *A virtual RI is an infrastructure that works as an e-infrastructure, providing remote access to electronic services, networks, archives, databases and databanks.*

Digital Infrastructure: *Digital infrastructure are supercomputers, data services and computing networks that support scientific research.*

Large-scale RI (LSRI):
A large-scale research infrastructure (LSRI) is an RI that:

- *promotes a policy of open access for research. That is to say, the RI has to provide access to researchers from outside the hosting organisation(s) based on scientific excellence;*
- *has a size, in terms of total capital investment and operating costs for 5 years, of at least 10 million euros. These costs do not include accommodation costs for the facility. The operating costs pertain exclusively to the costs needed to make the facility accessible, so they do not include the costs for the research programme;*

(Additional conditions for a distributed RI:)

- *provides one central access point for researchers from external organisations, even though the infrastructure is distributed across multiple locations;*
- *has one management board responsible for the entire infrastructure;*
- *has a legal structure.*

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Contact information (to contact you with questions regarding this form)

Q1. Name of the contact person*:

Q2. Email address of the contact person*:

Q3. Telephone number of the contact person*:

1. General information on the LSRI

The information from Q4 to Q13 will be published on the Landscape LSRI website.

Q4. Please enter the name of the LSRI*:

Q5. If relevant, please enter the acronym of the LSRI:

Q6. Please enter the name of the responsible organisation of the research infrastructure ("penvoerder")(i.e. university, medical center, other knowledge institution, ...)*:

Q7. Please enter the general contact email address of the LSRI. Through the general contact email address interested researchers can get in touch with your research infrastructure*:

Q8. Please enter the name of the project leader (P.I.) of the LSRI*:

Q9. Please provide the URL of the web page or website of the research infrastructure:

Q10. Please indicate which description fits your infrastructure best (if in doubt, select "not sure"). For a definition of the type of research infrastructure, see above.*

- Single-sited research infrastructure
- Multiple-sited research infrastructure
- Distributed research infrastructure
- Virtual research infrastructure
- Digital infrastructure
- Not sure

Q11. Where is/will be your infrastructure located? For distributed, virtual and digital infrastructures, consider the location of the main human resource. You can select more than one.*

- The Netherlands
- Outside the Netherlands
- Other, e.g. mobile or extraterrestrial (e.g. ship, plane, space telescope)

Q12. Please enter the address of the central access point/lead institution of the research infrastructure:

Q13. In case your research infrastructure is a collaboration between several institutions, please state all institutions/sublocations involved, including, when relevant, international collaborators (e.g. universities, public and private partners, NGO's).

Q14. Which of the following terms describe your research infrastructure? You can select more than one. *

- Equipment

- Physical collection
- Digital collection
- Data (i.e. information)
- Database (i.e. hardware)
- Digital infrastructure
- Supercomputing (High Performance Computing, etc)
- Digital models and virtual systems
- Software, workflows
- Living lab
- Test bed or testing facility
- Other

Q15. If you selected the option 'Other' in the previous question, please provide the term you would use:

Q16. What stage is your research infrastructure at? You can select more than one option.*

- Design/planning/scoping
- Implementation/build/development
- Operation (including regular upgrades and maintenance)
- Decommissioning/Termination
- Repurposing
- Major upgrade

2. Description of the LSRI

The information from Q17 to Q24 will be published on the Landscape LSRI website. The audience is potential users of your LSRI. 🌐

Q17. Please summarise your research infrastructure, to reach out to the general public (max 100 words)*.

Q18. Please describe your research infrastructure in terms of equipment/facilities/data/ collections/… (max. 150 words)*.

Q19. Please describe the user services your LSRI (will) provide (max. 150 words)*.

Q20. Please describe the (type of) research that is/will be facilitated by your research infrastructure (max. 250 words)*.

Q21. Please describe how external users can access your infrastructure (max. 150 words)*.

Q22. Please enter a few keywords (max. 10) that characterize your research infrastructure. The keywords are intended to help researchers find your LSRI on the Landscape LSRI website. *

Q23. Please enter the main research fields for which the research infrastructure is relevant (see https://www.nwo.nl/en/nwo-research-fields). *

Q24. Which of the following scientific Domains are relevant for your research infrastructure? In case your LSRI significantly (>20%) facilitates research in more than one Domain, you may select more than one. *

- Social Sciences and Humanities

- Life sciences and Medical sciences
- Technical and Natural sciences

Q25. Is your research infrastructure already connected to one or more of the Roadmap Groups, as defined in the Roadmaps LSRI 2021 and 2026? If yes, please select the relevant Roadmap Group(s). *

Not connected
Social Sciences and Humanities
Green Life Sciences
Health Sciences
Medical Sciences
Life Sciences and Enabling Technologies
Engineering and Technology Sciences
Astronomy and Particle Physics
Materials
Geosciences

3. Organisational structure and accessibility

Definitions

Internal users are part of the knowledge institute or consortium that owns the research infrastructure.

External users are not part of the knowledge institute or consortium that owns the research infrastructure.

Q26. Please describe how the (intended) governance of your infrastructure is organised (max. 150 words). *

Q27. What type of access mechanism does/will your infrastructure offer? Please select all options that are relevant and that contribute to 10% or more of the access mechanisms. *

- Physical access
- Virtual (digital) access
- Remote access

Q28. How is it decided who can use your infrastructure? You can select multiple options. *

- Based on excellence, e.g. peer reviewed proposals
- Based on payment, e.g. buy time or access
- Open access (with or without registration)
- Ringfenced proportion of access, e.g. to own PhD students
- Membership quota e.g. international agreement
- Do not know yet
- Other

Q29. Please summarise bullet wise the differences, if any, in the (intended) access policy for internal and external users.

Q30. Is/will be your infrastructure used by industry? *

- Yes
- No

Q31. How would you define the (intended) scope or reach of your research infrastructure? *

- Local (e.g. within an institution or university)

- Regional
- National
- International

4. Financial aspects

Definitions

Capital investment costs: costs for the establishment (i.e. development and acquisition/construction) of the infrastructure or costs for a modification of an existing infrastructure, excluding the costs for housing the infrastructure. Capital investments also include the Dutch membership contributions to an international research infrastructure or an international research project if these are related to the establishment of the infrastructure.

Operating costs: costs needed for keeping the infrastructure operational and for the facilitation of external users. Operating costs include personnel costs, consumables, IT costs, Dutch membership contributions to an international research infrastructure or an international research project if these are related to the operation of the infrastructure. They do not include costs related to the research programme.

Total costs: capital investment costs, operating costs, and – when relevant - decommissioning costs.

Size of the infrastructure: the total costs over 5 years. These costs should not include:

- *the costs for housing the infrastructure;*
- *insurance costs;*
- *costs related to research programmes that use the infrastructure;*
- *costs for already available IT infrastructure provided by the institutions involved, or those that are already nationally available, such as SURF.*

'Own contribution' versus 'contributions from partners': 'Own contribution' comprises the contributions of the research institution(s) (in cash or in-kind) that (co-)own the infrastructure. Contributions from partners comprise the contributions of industrial partners, user fees, acquired grant/subsidies, etc.

To be eligible for the Landscape LSRI, the size of the infrastructure, in terms of total capital investment and operating costs for 5 years, should amount to at least 10 million euros.

Funding source: A funding source represents a specific stream of money to finance your research infrastructure (capital investment and operations). Examples are, among others, direct funding ('eerste geldstroom'), NWO grants, local/regional public funds, private sector, EU funding/grants, international contributions, charity, philanthropy, Governmental Knowledge institutes, user fees,…

Q32. What are the (expected) capital investment costs of your infrastructure (i.e. number in euros)? *

Q33. Briefly describe the capital investment costs of your research infrastructure (excluding housing costs)*.

Q34. What is – on average – the (expected) annual operating cost of your research infrastructure (excluding housing costs) (i.e. number in euros)?*

Q35. Briefly describe the (expected) operating costs of your infrastructure (excluding housing costs)*.

Q36: Briefly describe your plan of how the (expected) capital and operating cost are/will be funded*.

Other
Q37. If there is any important issue not yet covered by the questions above that you would like to share with us, you can do so here.

Next Steps
Thank you for filling out the form!

Please do not forget to ask the board or director of the knowledge institution that acts/will act as the official secretary of your RI to mail a cover letter to pc-gwi@nwo.nl.

Twice a year the Permanent Committee for LSRI discusses the registrations for the Landscape LSRI. You will then receive confirmation as to whether or not your RI has been accepted into the Landscape.

If your RI has been accepted into the Landscape, information provided in Sections 1 and 2 of this form will be published on www.onderzoeksfaciliteiten.nl .

You can choose to download a copy of your answers using the link provided on the next page after finishing the form and before leaving the site. However, it is only available for a limited period and only until you leave the site, so please don't delay downloading it.

If you have any question related to the Landscape LSRI, please contact us at pc-gwi@nwo.nl.