



## Netherlands – Research Infrastructure: Fact sheet

1. Is there a National Roadmap for RI in place?		
Yes	No	In planning
x		

Source: Data derived from InRoad Consultation on RI (2017).

2. Link to the roadmap
<a href="https://www.nwo.nl/en/news-and-events/news/2016/33-research-facilities-and-clusters-top-priority-for-dutch-science.html">https://www.nwo.nl/en/news-and-events/news/2016/33-research-facilities-and-clusters-top-priority-for-dutch-science.html</a> [Last access: 07/2017].

Source: Data derived from InRoad Consultation on RI (2017).

3. RI definition deviates from ESFRI RI definition (If yes, please check RI definition in the Annex).	
Yes	No
x	

Source: Data derived from InRoad Consultation on RI (2017).

4. Players and their responsibilities in the national RM procedure					
	Responsibility for RM	Decision-making	Funding	Scientific evaluation	Economic evaluation
Ministry of Education, Culture and Science	(x)				
Ministry of Economic Affairs					
Netherlands Organisation for Scientific Research (NWO)	x	x	x		
Provinces/regions			x		
Other Institutions			x		
Permanent Committee for Large-Scale Scientific Infrastructure	(x)			x	x

Source: Data derived from InRoad Consultation and additional documents provided through the Consultation on RI (2017).

5. Steps and Actions in the national RM Procedure		
Step	Action	Responsible actor
1	Planning/ Preparation of Guidelines	NWO in cooperation with the Ministry of Education, Culture and Science / NWO
2	Call*	NWO
3	Landscape analysis	Permanent Committee Large scale RI / NWO
4	Mapping	Permanent Committee Large scale RI / NWO
5	Eligibility Check	Permanent Committee Large scale RI / NWO
6	Science-driven Evaluation	Permanent Committee for Large-Scale Scientific Infrastructure for establishing the roadmap; An



		independent international selection committee for the call on funding of RI
7	Economic evaluation	Permanent Committee for Large-Scale Scientific Infrastructure for establishing the roadmap; An independent international selection committee for the call on funding of RI
8	Evaluation of societal relevance	Permanent Committee for Large-Scale Scientific Infrastructure for establishing the roadmap; An independent international selection committee for the call on funding of RI
9	Decision	On the Roadmap: Executive Board of NWO after consulting the Ministry of Education, Culture and Science and the Ministry of Economic Affairs On the funding of RI: NOW based on the advice of the independent selection committee
10	Validation	NWO

Source: Data derived from InRoad Consultation on RI (2017).

<b>6. Criteria of the decision-making process in the RM procedure – Criteria to earn a spot on the National Roadmap</b>		
<b>Eligibility criteria</b>	<b>Evaluation criteria</b>	<b>Feasibility criteria</b>
<ul style="list-style-type: none"> <li>• Threshold of EUR 10 Mio total capital investment and operating costs for 5 years</li> <li>• policy of open access for research</li> </ul>	<ul style="list-style-type: none"> <li>• Unicity of the facility</li> <li>• Strategic importance (at national/ministry and institutional level)</li> <li>• Level of participation of national researchers</li> <li>• Access policy</li> <li>• Scientific and societal importance</li> <li>• Current status and maturity of the facility (detailed information in 2.3 Annex Part 1)</li> </ul>	For distributed facilities: <ul style="list-style-type: none"> <li>• Central access point</li> <li>• One management board</li> <li>• Legal structure</li> </ul>

Source: Data derived from InRoad Consultation and additional documents provided through the Consultation on RI (2017).



7. Criteria of the decision-making process in the RM procedure – Criteria for facilities to obtain a Roadmap subsidy		
Eligibility criteria	Evaluation criteria	Feasibility criteria
<ul style="list-style-type: none"> <li>Inclusion of the facility in the current National Roadmap</li> <li>Co-funding commitment from all parties involved</li> <li>likely to lead to a scientific breakthrough</li> <li>For international organisations with Dutch memberships: funds can only be requested for parts that cannot be funded via the standard funding of the council of the international organisation concerned or via the national contributions.</li> <li>Funding to applicants within the context of a Public-Private-Partnership or to companies can only be granted if the conditions for the community guidelines on state aid for research, development and innovation have been satisfied.</li> </ul>	<ul style="list-style-type: none"> <li><b>Science and excellence</b> The importance for science and the potential to attract researchers; Embedding of the investment; Urgency of the investment for Dutch science</li> <li><b>Innovation and strategy</b> The importance for society and industry and the connection with societal developments; National Interest.</li> <li><b>Technical, business and management issues</b> Technical feasibility; ICT infrastructure; Organisation and governance; Accessibility; Financial aspects; Risk analysis.</li> </ul>	<ul style="list-style-type: none"> <li>Technical feasibility</li> <li>Financial feasibility</li> <li>Feasibility concerning organisation and governance</li> </ul>

Source: Data derived from InRoad Consultation and additional documents provided through the Consultation on RI (2017).

8. Towards harmonisation and synchronisation of RM Procedures		
The respondents are interested in...	...an exchange of experience for the following topics.	...increased coordination for the following topics.
Involved players and responsibilities		
Planning and design of RM		
Inventory/landscape analysis	x	x
Evaluation procedures	x	
Strategic decision-making	x	
Timing of national and European RM	x	x
Life cycle management	x	x
RI funding instruments	x	x
Monitoring and evaluation of RI	x	
Prioritisation of RI	x	x

Source: Data derived from InRoad Consultation on RI (2017).



**9. Timelines and Life-cycles: Publication and updates**  
 First Roadmap published in 2008. Updated in 2013 and 2016 (National Roadmap for Large-Scale Scientific Infrastructure) <http://www.nwo.nl/en/documents/nwo/permanent-commission/roadmap-large-scale-scientific-infrastructure> [Last access: 08/2017]. Next formal update of the Roadmap planned for 2020.

Source: Data derived from InRoad Consultation on RI (2017).

**10. Main purposes of the national RM on RI**

- Better priority setting within a research field
- An input for funding decisions on RI between institutional, regional and national stakeholders
- A list of strategic priorities, which are foreseen for funding

Source: Data derived from InRoad Consultation on RI (2017).

**11. Organisation and main indicators for funding of RI**

RI funding sources	Planning	Construction	Operation
National budget <sup>1</sup>	x	X	x
European Fund for Strategic Investments (EFSI)			
European Structural and Investment Funds (ESIF) managed at national level			
Regional budget		x	x
ESIF managed at regional level			
Research funding agencies	x	x	x
Research Performing Organisations	x	x	x
European Investment Bank	x	x	x
Horizon 2020	x	x	x
Others			

Source: Data derived from InRoad Consultation on RI (2017).

**12. Responsible Organism(s) for RI Funding**

- Netherlands Organization for scientific research through grants, institutional funding of research institutes
- Ministry of Education, Culture and Science through international contributions to for example RI like, CERN, ESA, ESO, EMBL
- Ministry of Economic Affairs responsible for loans for applied institutes and funding of more applied institutes and their RI
- other ministries that are responsible for funding of more applied institutes and their infrastructures

Research Infrastructure Life-cycle	Concept Phase	Design Phase	Preparation Phase	Construction/Implementation Phase	Operation Phase	Termination Phase	Others (e.g. upgrade, repurposing)
<b>Funding source</b>	-RPO	1. RPO	1. RPO; 2. RFO	1. RFO	1. RFO 2. RPO	-	-
<b>Funding instrument</b>	-	-	- NWO-large	- Roadmap; - Call with strategic	- Call with strategic framework	Should be part of the mentioned	Should be part of the mentioned

<sup>1</sup> The national budget is limited to participation in international organisations like CERN or EMBL. The other national budget for RI goes to the funding agency at the national level.



				framework and restrictions; - NWO-large (call is translated now)	and restrictions; - contributions of RPO	call -	call
<b>Responsible funders/funding bodies</b>	-	-	-	-RFO	-RFO	-	-
<b>Covered costs</b>	-	-	-	- equipment, running cost max 50% for 5y if the lifetime is more than 10y	- equipment, running cost max 50% for 5y if the lifetime is more than 10y	-	-
<b>Period of time covered (years)</b>	-	-	-	up to 10	up to 10	-	-

Source: Data derived from InRoad Consultation on RI (2017).

### 13. Details on national funding mechanisms

- Funding decisions on RI in the Netherlands are linked with the definition of strategic priorities.
- The Netherlands have two funding schemes for RI NWO-large and the Roadmap funding. In both schemes we check whether the strategic framework and the agreement between consortia of facilities are not broken. For the Roadmap funding is restricted to facilities on the roadmap only.
- Design of funding instruments in the Netherlands is not yet made for their potential combination with others. However, the Netherlands investigates the possibility to have joint investments.
- In the Netherlands, we have done an effort to identify long term RI options. Now we discuss whether we should establish some funding to stimulate the further development of those initiatives.

Source: Data derived from InRoad Consultation on RI (2017).

### 14. National Operational Program Information

<b>Total amount (EU amount and National amount)</b>	All Programs (€M)	3,731,6
	Programs with ERDF (€M)	3,731,6
<b>EU amount</b>	All Programs (€M)	1,881,4
	Programs with ERDF (€M)	507,3
<b>Thematic objective 1 (Research &amp; Innovation)</b>	Total funds (€M)	361,0
	ERDF (€M)	332,5



<b>Investment category - ERDF</b>	058. Research infrastructure and innovation (public) (€M)	N/A
	059. Research infrastructure and innovation (private and scientific parks) (€M)	N/A <sup>2</sup>

Funding information of research infrastructures covering the period 2014-2020 gather inputs from the consultation survey, as well as from the Open Data Portal for European Structural and Investment Funds from the European Commission (<https://cohesiondata.ec.europa.eu/> [Last access: 07/2017]) and the Operational Programmes, for the categories of investment 058. and 059. (Dedicated to research infrastructures) ([http://ec.europa.eu/regional\\_policy/en/atlas/programmes/](http://ec.europa.eu/regional_policy/en/atlas/programmes/) [Last access: 07/2017]).

### 15. Changes of funding schemes of RI

The Netherlands does not plan any changes for the funding schemes of RI in the near future, unless there are major changes in the financial situation.

Source: Data derived from InRoad Consultation on RI (2017).

### 16. Relevant issue(s) not addressed

In our procedures for RI funding we always use an interview or preferably a site visit.

Source: Data derived from InRoad Consultation on RI (2017).

<sup>2</sup> Data from official sources seem not to be correct according to the person who validated the factsheet, thus data were omitted.

