



Switzerland – 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 |
|---|
| https://www.sbf.admin.ch/dam/sbf/en/dokumente/schweizer_roadmapfuerforschungsinfrastruktur_enimhinblickaufdiebf.pdf.download.pdf/swiss_roadmap_forresearchinfrastructuresinviewoftheeridisp_atch20.pdf [Last access: 01/2018]. |

| 3. RI definition deviates from ESFRI RI definition (If yes, please check RI definition in the Annex). | |
|---|----------------|
| Yes | No |
| | x ¹ |

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 | Research policy and societal evaluation |
| State Secretariat for Education, Research and Innovation (ministry) | x | | x ² | | | x |
| ETH Board and swissuniversities (representatives of the higher education institutions, i.e. federal institutes of technology and universities) | | x | | | | x |
| Higher education institutions | x | | x | | | |
| Swiss National Science Foundation (main Swiss funding agency) | | | | x | | |
| Swiss Academies | | | | | | |

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

¹ The definition is very close to the ESFRI definition.

² In general RI are not financed by the State Secretariat for Education, Research and Innovation (SERI). However, the law allows the SERI to participate financially under particular conditions.



| 5. Steps and Actions in the national RM Procedure | | |
|---|---|--|
| Step | Action | Responsible actor |
| 1 | Collection of all RI proposals | ETH Board and swissuniversities |
| 2 | Pre-selection of RI proposals based on internal strategy | ETH Board and swissuniversities |
| 3 | Scientific evaluation of RI proposals selected in point 2 above | Swiss National Science Foundation |
| 4 | Based on evaluation results the responsible players evaluate the proposals again focusing on management, governance and finance plan. | ETH Board and swissuniversities |
| 5 | Funding-decision | ETH Board and swissuniversities |
| 6 | Implementation and funding | Host institution (mostly ETH and universities) |

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

| 6. Criteria of the decision-making process in the RM procedure | | |
|---|---|---|
| Eligibility criteria | Evaluation criteria | Feasibility criteria |
| <ul style="list-style-type: none"> Being a new RI or a major update Being in the preparatory phase Minimal cost of CHF 5 Mio Selection by the responsible organ (part of their strategy). | <ul style="list-style-type: none"> National relevance Quality of the infrastructure, of the research, and of the researchers involved Scientific quality Need Accessibility (detailed information in 2.3 Annex Part 1) | <ul style="list-style-type: none"> Planning (life cycle) Governance and management structure Financial aspects |

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

| 7. 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 | x |
| Strategic decision-making | x | |
| Timing of national and European RM | | |
| Life cycle management | | |
| RI funding instruments | x | |
| Monitoring and evaluation of RI | | |
| Prioritisation of RI | | |

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



| 8. Timelines and Life-cycles: Publication and updates |
|---|
| The national research infrastructures roadmap for Switzerland is conceived as a planning tool to coordinate political and funding decisions about RI. A first edition of the roadmap was produced in 2011 as an input to the 2013-2016 strategic plan ("Education Research Innovation (ERI) dispatch"). The 2015 RI roadmap was published in summer 2015 and constitutes the basis for the integration of RI in the strategic plan 2017-2020 (SERI 2015). (Lepori, Ureta and Alberton: 2016, p. 44) |

| 9. Main purposes of the national RM on RI |
|--|
| <ul style="list-style-type: none"> • A (bottom-up) list of the scientific user community on desired RI • An input for funding decisions on RI between institutional, regional and national stakeholders • A list of strategic priorities, which are foreseen for funding • Coordination instrument to respond to the needs related to RI at national level |

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

| 10. Organisation and main indicators for funding of RI | Planning | Construction | Operation |
|---|----------|----------------|----------------|
| National budget | | x ⁺ | x ³ |
| European Fund for Strategic Investments (EFSI) | | | |
| European Structural and Investment Funds (ESIF) managed at national level | | | |
| Regional budget | x | x | x |
| ESIF managed at regional level | | | |
| Research funding agencies | | | |
| Research Performing Organisations | | | |
| European Investment Bank | | | |
| Horizon 2020 | | | |
| Others | | | |

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

| 11. Responsible Organism(s) for RI Funding |
|--|
| <ul style="list-style-type: none"> • Swiss government (only for institution of the ETH domain, i.e. federal institutions) through Cash, investment • State Secretariat for Education, Research and Innovation through direct contribution (max 50% of total costs for RI of national importance) |

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

³ See note (*) from Table 3 regarding national funding for RI.



- 12. RI Funding Sources**
- National budget through direct subsidiary contribution for infrastructures of national importance (max 50%); Member States contributions to intergovernmental RI;
 - Regional budget through Cantonal institutions;
 - Research funding agencies that is used in some specific programs;
 - European Investment Bank for Intergovernmental RI (CERN, ESO, ESRF, etc.) through loans dedicated "cash facilities";
 - H2020 that depends on the relevant Horizon 2020 Work Programme;
 - European Fund for Strategic Investments, European Structural and Investment Funds (ESIF) managed at national and regional level, research performing organizations is not used.

| Research Infrastructure Life-cycle | Concept Phase | Design Phase | Preparation Phase | Construction/Implementation Phase | Operation Phase | Termination Phase | Others (e.g. upgrade, repurposing) |
|--|-------------------------------|-------------------------------|-------------------------------|--|--|-------------------------------|------------------------------------|
| Funding source | 1.Regional budget | 1.Regional budget | 1.Regional budget | 1. Regional budget; 2. National budget. (RI of national importance) | 1. Regional budget; 2. National budget. (RI of national importance) | 1. Regional budget | |
| Funding instrument | | | | - National budget: Article 15 of the Federal Act on the Promotion of Research and Innovation | - National budget: Article 15 of the Federal Act on the Promotion of Research and Innovation | | |
| Responsible funders/ funding bodies | - Institutions (universities) | - Institutions (universities) | - Institutions (universities) | Institutions (universities); - State secretariat (national budget) | Institutions (universities); - State secretariat (national budget) | - Institutions (universities) | |
| Covered costs | | | | | | | |
| Period of time covered (years) | variable | variable | variable | variable | variable | variable | - |

Not applicable or no information presently available.

| 13. Details on national funding mechanisms | |
|---|--|
| <ul style="list-style-type: none"> • Switzerland funding decisions on RI are linked with the country's strategic priorities • RI must be of "national importance" and must have run through the evaluation process of the national roadmap (e.g. RI that were proposed for the implementation by the responsible body) • The design of the different funding instruments in Switzerland does not take into consideration their potential combination with other instruments • Switzerland is currently not exploring or planning any new or additional instruments or mechanisms to RI at the country level | |

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

| 14. National Operational Program Information | | |
|---|---|-----|
| Total amount (EU amount and National amount) | All Programs (€M) | N/A |
| | Programs with ERDF (€M) | N/A |
| EU amount | All Programs (€M) | N/A |
| | Programs with ERDF (€M) | N/A |
| Thematic objective 1 (Research & Innovation) | Total funds (€M) | N/A |
| | ERDF (€M) | N/A |
| Investment category - ERDF | 058. Research infrastructure and innovation (public) (€M) | N/A |
| | 059. Research infrastructure and innovation (private and scientific parks) (€M) | N/A |

Not applicable or no information presently available.

| 15. Changes of funding schemes of RI |
|---|
| Switzerland does not plan any changes for the funding scheme of RI. |

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

