DATA INFRASTRUCTURES IN THE FRENCH NATIONAL RESEARCH INFRASTRUCTURE ROADMAP

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Afin de diriger le M.S.R.I., des retours nécessaires au pilotage des grands instruments au service de la recherche, la feuille de route mentionne des grandes infrastructures de recherche 2018-2020 réalisant 99 infrastructures et énumérées en répartition de l'État par ses grands établissements de recherche et d'enseignement supérieur, de répondre aux exigences de savoir et d'innovation.

https://www.enseignementsup-recherche.gouv.fr/cid70554/la-feuille-de-route-nationale-des-infrastructures-de-recherche.html
The Roadmap Process

• Being on the Roadmap is a recognition of quality and value for the National Research Strategy

• All candidate infrastructures, including those already in the previous Roadmap, have to fill a questionnaire

• Preparation of description sheets and landscape summaries by thematic subgroups

• Candidates are presented to the High Council of Very Large Infrastructures (HC-TGIR), an independent body of high level experts

• The HC-TGIR analysis is examined by the Steering Committee of Very Large Infrastructures (CD-TGIR) which decides on the list
The 2018 Roadmap

- Temporally aligned with the ESFRI Roadmap
- 99 Research Infrastructures
  - 4 International Organisations (OA)
  - 22 « Very Large Research Infrastructures » IR*/RI*
  - 68 « Research Infrastructures » IR/RI
- 4 Projects
  - 1 « ESO Instruments »
- Several configurations
  - 26 single site
  - 64 distributed
  - 9 virtual
European Relations
European and International Relations
Thematic Fields and e-Infrastructures

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>NAME</th>
<th>FULL NAME</th>
<th>ESFRI</th>
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<tbody>
<tr>
<td>VLRi</td>
<td>GENCI</td>
<td>Grand Équipement National de Calcul Intensif</td>
<td>PRACE (2006)</td>
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<td>VLRi</td>
<td>RENATER</td>
<td>National Telecommunications network for Technology, Education and Research</td>
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<td>Ri</td>
<td>CC-IN2P3</td>
<td>IN2P3/CNRS Computing Center</td>
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<td>Ri</td>
<td>France Grilles</td>
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Data in the Roadmap

• Data aspects have become more and more important in the Roadmap since 2008

• « e-questions » in the questionnaire since 2016

• 2018: All Research Infrastructures produce data, and one aim is that they produce FAIR data, with Data Management Plan as a first step
Thematic Data Infrastructures in the Roadmap – Thematic Diversity!

- Thematic data infrastructures in the Roadmap since the first edition in 2008
  - CDS Strasbourg Astronomical Data Centre
  - ADONIS ⇔ Huma-Num Humanities (DARIAH, CLARIN)
  - PROGEDO Social Sciences (ESS, CESSDA, SHARE)

- Among those on the Roadmap now, in addition
  - Data Terra All the Earth Science fields
  - CLIMERI-France Climate modelling (IPCC, IS-ENES, GENCI)
  - PNDB Biodiversity Data National Pole (GEO BON, GBIF)
  - CONSTANCE Population-based epidemiologic cohort
  - IFB Institut Français de Bioinformatique (ELIXIR French Node)
Next update in 2021

• The national context has evolved
  • French National Open Science Plan 2018
  • National coordination on e-infrastructures

• The work for the update has begun
• One evolution will be to formally identify the thematic data infrastructures