**Country Sheet**

*[Please insert country’s name, e.g. Austria]*

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| France |

**Current policy[[1]](#footnote-1) on open science and FAIR data**

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| 1. Is there a current policy on **open science and FAIR data** in place? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| Responsibility regarding policy making (strategic level): *[Please detail the current policy in the country concerned. Please add the responsibility at national level. Please also add the ongoing preparation (plan) if no current policy is in place or if updates are expected.* ***Max. ≈ 150 words****]*  Policy based on the *loi numerique* (2016), which lays the foundation for Open Science in France. The MESRI ministry presented in July 2018 the national strategy for open science ([Plan national pour la science ouverte](http://www.enseignementsup-recherche.gouv.fr/cid132529/le-plan-national-pour-la-science-ouverte-les-resultats-de-la-recherche-scientifique-ouverts-a-tous-sans-entrave-sans-delai-sans-paiement.html)). This strategy includes a list of specific actions and recommendations in order to boost the development towards an Open Science landscape in France. This includes, but is not limited to, the requirement that data resulting from publicly funded projects have to be open, to work towards Open Access publications, to increase the knowledge about Open Science especially among PhD students, to contribute to the EOSC and to join GO-FAIR. To help with the implementation of this strategy, France joined GO FAIR and created the Open Science Committee ([Comité pour la science ouverte](https://www.ouvrirlascience.fr/presentation-du-comite/)), which includes representatives from the ministry and from all relevant national research organisations and universities. | | |
| Responsibility regarding funding (supporting open science and FAIR data in practice): *[Please detail the current funding mechanisms in the country concerned. Please add the responsibility at national level. Please also add the ongoing preparation (plan) if no current funding policy is in place or if updates are expected.* ***Max. ≈ 150 words****]*  Some funding for FAIRisation provided by the *Agence Nationale de la Recherche* (ANR) and also by several national research organisations. | | |
| Further observations / information: *[Please include here any further observations or precisions, which are part of open science and FAIR data but don’t fit the previous boxes. E.g. there is no national policy, but X and Y university have their own policies* ***Max. ≈ 150 words****]* | | |

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| 1.1. Is there a current policy regarding **publications[[2]](#footnote-2)** in place? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| 1.1.1. If yes, does it include **open access to publications**? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| Responsibility regarding policy making (strategic level): *[****Please complete this part ONLY IF the current policy and responsibility regarding publications are different from open science policy.*** *If this is the case, please detail the current policy regarding publications and add the responsibility. Max. ≈ 150 words.]* | | |
| Responsibility regarding funding: *[****Please complete this part ONLY IF the current funding mechanisms regarding publications are different from open science funding mechanisms.*** *If this is the case, please detail the current funding mechanisms regarding publications and add the responsibility. Max. ≈ 150 words.]*  MESRI (the ministry of higher education, research and innovation) provides seed funding to study and put in place community driven publication platforms and other alternatives to publications through commercial publishers.  In addition, some Open Access initiatives are funded nationally (e.g. Scoap3). | | |

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| 1.2. Is there a current policy regarding **data** **/** **services** in place? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| 1.2.1. If yes, does it include **open data**? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| Responsibility regarding policy making (strategic level): *[****Please complete this part ONLY IF the current policy and responsibility are different from open science policy.*** *If this is the case, please detail the current policy regarding data / services and add the responsibility. Max. ≈ 150 words.]* | | |
| Responsibility regarding funding: *[****Please complete this part ONLY IF the current funding mechanisms regarding data / services are different from open science funding mechanisms.*** *If this is the case, please detail the current funding mechanisms regarding data / services and add the responsibility. Max. ≈ 150 words.]*  So far, the national policy states the goal of Open Data, but no funding is provided in order to progress on this point. | | |

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| 1.3. Is there a current policy regarding **research** **evaluation** in place? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
|  |  | **X** |
| Responsibility regarding policy making (strategic level): *[****Please complete this part ONLY IF the current policy and responsibility are different from open science policy.*** *If this is the case, please detail the current policy regarding research evaluation and add the responsibility. Max. ≈ 150 words.]* | | |
| Responsibility regarding funding: *[****Please complete this part ONLY IF the current funding mechanisms regarding research evaluation are different from open science funding mechanisms.*** *If this is the case, please detail the current funding mechanisms regarding research evaluation and add the responsibility. Max. ≈ 150 words.]* | | |

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| 1.4. Is there a current policy regarding **open** **learning** in place? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
|  | **X** |  |
| Responsibility regarding policy making (strategic level): *[****Please complete this part ONLY IF the current policy and responsibility are different from open science policy.*** *If this is the case, please detail the current policy regarding open learning and add the responsibility. Max. ≈ 150 words.]* | | |
| Responsibility regarding funding: *[****Please complete this part ONLY IF the current funding mechanisms regarding open learning are different from open science funding mechanisms.*** *If this is the case, please detail the current funding mechanisms regarding open learning and add the responsibility. Max. ≈ 150 words.]* | | |

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| 2. Are there references to EOSC in the current policies? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| References to EOSC: *[Please detail the current references to EOSC in the country concerned.* ***Max. ≈ 150 words****]* | | |
| 2.1. Is funding or criteria for funding mentioned (with regards to EOSC)? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
|  | **X** |  |
| *Funding: [Please detail the current funding or criteria for funding mentioned (with regards to EOSC) in the country concerned.* ***Max. ≈ 150 words****]* | | |
| 2.2. Is there a national contact point for open science? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
| **X** |  |  |
| *National contact point for open science: [Please detail information regarding national contact point for open science in the country concerned.* ***Max. ≈ 150 words****]* | | |
| 2.3. Is there a national contact point for EOSC? *[Please answer by adding a (x) in the appropriate cell.]* | | |
| Yes | No | In planning |
|  |  | **X** |
| *National contact point for EOSC: [Please detail information regarding national contact point for EOSC in the country concerned.* ***Max. ≈ 150 words****]*  MESRI plans to set up a national EOSC board in 2020 | | |

**Current e-infrastructure landscape**

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| 3. Current e-infrastructure that is to be federated / accessible to the EOSC[[3]](#footnote-3) | |
| *[Please detail the current e-Infrastructure landscape that is to be federated / accessible to the EOSC.* ***Max. ≈ 300 words in total (including 3.1-3.3.)****]*  There are 4 main national computing centres in France:  [TGCC](http://www-hpc.cea.fr/en/complexe/tgcc.htm) (CEA), [CINES](https://www.cines.fr/en/) (Universities), [IDRIS](http://www.idris.fr/eng/) (CNRS / INS2I), and [CC-IN2P3](https://cc.in2p3.fr/en/) (CNRS / IN2P3). The first 3 provide HPC, while CC-IN2P3 focuses on HTC. Access to the HPC resources is mainly granted through [GENCI](http://www.genci.fr/en), (Grand équipement national de calcul intensif), which is owned by the ministry (49%), CEA (20%), CNRS (20%), and the universities (10%). CC-IN2P3 is the largest data center (2018: 63 PB tape, 27 Pb disk), while CINES provides data archive services.  In addition, about 30 larger regional computing centres provide computing and data storage services.  The national grid infrastructure France Grilles provides services (HTC computing on the grid and on a academic cloud, data storage) and is providing about 11% of the resources federated by the European Grid Infrastructure ([EGI](https://www.egi.eu/)).  A number of repositories, publicly available, is operated in France (see e.g. re3data.org) | |
| *3.1. Data infrastructures* | *[Please add the responsibilities considering financing (€).]*  >100 MEuros over the past 10 years |
| *[Please add the responsibilities considering operating.]*  >70 MEuros over the past 10 years |
| *[Please add information / responsibilities regarding plans/future.]* |
| *[Please add information regarding the number of researchers.]*  ~3000 (combined number of CINES and CC-IN2P3 researchers using these data infrastructures) |
| *[Please add information / responsibilities regarding the funding of researchers (estimated salary + amount of research project as well as the responsible institution.]* |
| *3.2. HPC infrastructures* | *[Please add the responsibilities considering financing (€).]*  >400 MEuros over the past 10 years |
| *[Please add the responsibilities considering operating.]* |
| *[Please add information / responsibilities regarding plans/future.]*  France is committed to co-finance an Exascale machine. |
| *[Please add information regarding the number of researchers.]*  *in principle open to the >400 000 researchers in the French public sector. In practice, used by >1000 researchers per year.* |
| *[Please add information / responsibilities regarding the funding of researchers (estimated salary + amount of research project as well as the responsible institution.]* |
| *3.3. Repositories* | *[Please add the responsibilities considering financing (€).]*  >10 MEuros over the past 10 years |
| *[Please add the responsibilities considering operating.]*  >5MEuros over the past 10 years |
| *[Please add information / responsibilities regarding plans/future.]* |
| *[Please add information regarding the number of researchers.]* |
| *[Please add information / responsibilities regarding the funding of researchers (estimated salary + amount of research project as well as the responsible institution.]* |

**Aggregated information regarding open and FAIR science policy**

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| **Country’s name (e.g Austria)** | **National open and FAIR science policy**  [Please insert the colour code regarding the status:   * **current policy in place = green** * **no current policy in place = red** * **current policy in the planning = orange.**] | **Responsibility regarding policy making**  [Please insert the colour code regarding the responsibility:   * **Ministry = dark blue** * **Research Council = lila** * **RFO = brown** * **RPO = pink** * **Others (please specify) = blue**] | | **References to EOSC current policies**  [Please insert the colour code regarding the status:   * **yes = green** * **no = red** * **in the planning = orange.**] | **Funding criteria with regards to EOSC**  [Please insert the colour code regarding the status:   * **yes = green** * **no = red** * **in the planning = orange.**] | **National contact points for EOSC / open science**  [Please insert the colour code regarding the status:   * **yes = green** * **no = red** * **in the planning = orange.**] |
|  | Responsibility at strategic level [1] | Funding responsibility [2] |  | | |
| Open and FAIR science | **Ministry, RFO** | **Ministry, RFO** | **yes** | **no** | **yes** |
| *Publications* | **Ministry, RFO** | **Ministry, RFO** | **no** | **no** | **no** |
| *Data / services* | **Ministry, RFO** | **Ministry, RFO** | **yes** | **no** | **no** |
| *Research evaluation* | **RFO** | **RFO** | **in the planning** | **in the planning** | **no** |
| *Open learning* |  |  | **no** | **no** | **no** |
| *Data / services* |  |  | **in the planning** | **in the planning** | **no** |

1. Please understand policy as ‘anything’ from guideline to mandate to code of conduct or actual law. Please aim for very high-level descriptive statements.

   Please add a footnote if you think the way you understood a certain term should be specified as the Glossary Task Force will work on the terminology at a later date. [↑](#footnote-ref-1)
2. Please consider national funders and policy encouraging open access to publications. [↑](#footnote-ref-2)
3. Please count only the resources that could, in principle, be federated into or accessible from the EOSC. If it is not possible to estimate the costs, please state an estimation, e.g " over 100MEUR" or "over 1 billion over the past ten years."

   Please add an asterix to the infrastructures that have already committed. [↑](#footnote-ref-3)