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# maDMP4LS

*Plan de gestion de données créé à l'aide de DMP OPIDoR*

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**Affiliation du créateur principal :** CNRS

**Modèle du PGD :** ANR - DMP template (english)

**Dernière modification du PGD :** 24/02/2021

**Financeur :** Agence nationale de la recherche (ANR)

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## **Résumé du projet :**

Through a partnership between Inist and IFB, a proof of concept (POC) will be conducted to test the ability of a machine-actionable version of DMP OPIDoR to meet IFB needs by improving data management and metadata quality. Alongside the technical development, IFB will also elaborate training tools for its members and its user communities to provide them with skills in data management and stewardship.

**Chercheur Principal :** Olivier Collin

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**Contact pour les Données :** Olivier Collin

## **Produits de recherche :**

1. maDMP OPIDoR : machine actionable DMP OPIDoR ( Logiciel )
2. maMY : machine actionable DMP compatible user and project management system for Bioinformatics ( Logiciel )
3. maTraining : Formation à l'utilisation de maDMP4LS ( Texte )

## **Droits d'auteur**

Le(s) créateur(s) de ce plan accepte(nt) que tout ou partie de texte de ce plan soit réutilisé et personnalisé si nécessaire pour un autre plan. Vous n'avez pas besoin de citer le(s) créateur(s) en tant que source. L'utilisation de toute partie de texte de ce plan n'implique pas que le(s) créateur(s) soutien(nen)t ou aient une quelconque relation avec votre projet ou votre soumission.

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## 1. Data description and collection or re-use of existing data

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

Developments will be made on the existing DMP OPIDoR code that is available and accessible in a Github repository: <https://github.com/OPIDoR/DMPOPIDoR> under an MIT license. This code is itself based on DMP roadmap code (<https://github.com/DMPRoadmap>) and new features will, if relevant, be integrated in DMP OPIDoR code.

The application is developed using Ruby on Rails framework that implements a Model-View-Controller approach. REST API endpoints will be developed.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

[my.genouest.org](https://my.genouest.org) is an account and project management developed by GenOuest. The source code is available at <https://github.com/genouest/genouestaccountmanager>.

A new branch code will be created for the maDMP-OPIDoR compatible version.

The new version will be available in the same repository : <https://github.com/genouest/genouestaccountmanager>

### **maTraining : Formation à l'utilisation de maDMP4LS**

maTraining consists of training materials that will be used for "train the trainer" sessions. The training materials will consist of documentation and tutorials.

Training materials will be made available online on open-access repositories like zenodo. The training material will consist of presentations (pdf), text documents (pdf) and possibly videos.

The volume will be rather low: a few gigabytes.

## 2. Documentation and data quality

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

Documentation is organized as Markdown files and is available in a Github depot : <https://github.com/OPIDoR/DMPOPIDoR>. The documentation includes installation instructions.

Metadata compliant with DataCite metadata schema will be produced so as to facilitate the discovery of the code and its citation.

A Jenkins server was deployed and continuous integration will be applied to build the software and run the tests.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

Documentation is organized as Markdown files and is available in a Github depot : <https://github.com/genouest/genouestaccountmanager>  
The documentation includes installation instructions.

The code is checked in Continuous Integration manner with Travis-CI.

### **maTraining : Formation à l'utilisation de maDMP4LS**

Question sans réponse.

Question sans réponse.

## **3. Storage and backup during the research process**

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

The generated code is stored on local servers for development purposes. The local machines are backed up on Inist infrastructure. The source code is also stored on Gitbucket with restricted access and an open Github depot.

No sensitive data are handled.

REST APIs will integrate security patterns and be compliant with GDPR.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

The code is stored on local workstations during development phases. The workstations are backed up on Inria/Irisa

infrastructure. The source code is also stored on the Github repository.

The My environment is used for user management on computing facilities. It is used as a front server for a more convenient management of LDAP information and adds many features for project management as well as features for end users such as password recovery and authentication keys management.

The administrative access is restricted to site administrators. The connexion of an administrator needs a two factor authentication in order to block unauthorized access.

The LDAP directory is backed up on Irisa's server and the My database is backed up on GenOuest infrastructure.

## **maTraining : Formation à l'utilisation de maDMP4LS**

Question sans réponse.

Question sans réponse.

## **4. Legal and ethical requirements, code of conduct**

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

These data do not contain any personal data.

The initial DMP roadmap code was published under an MIT license and so will be the source code of DMP OPIDoR. This license is included in the list established through the French Law for a Digital Republic.

Question sans réponse.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

Question sans réponse.

The original My source code is under a GNU Affero General Public License v3.0. So will be the maMy code branch.

Question sans réponse.

### **maTraining : Formation à l'utilisation de maDMP4LS**

No personal data are processed.

Question sans réponse.

Question sans réponse.

## **5. Data sharing and long-term preservation**

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

The source code will be deposited on Github. No embargo will be applied.

A version of the source code will be deposited in HAL.

The code is openly accessible on Github. Anyone is free to clone or download the code and reuse it, modify it.

A DOI will be attributed to a version of the source code.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

The source code will be deposited on Github. No embargo will be applied.

Question sans réponse.

The code is openly accessible on Github. Anyone is free to clone or download the code and reuse it, modify it.

Question sans réponse.

### **maTraining : Formation à l'utilisation de maDMP4LS**

Question sans réponse.

Question sans réponse.

Question sans réponse.

Question sans réponse.

## **6. Data management responsibilities and resources**

### **maDMP OPIDoR : machine actionable DMP OPIDoR**

DMP-OPIDoR team : Florian Mazur (Software project leader), Benjamin Faure (Software developer), Jean-Michel Parret (Head of service) , Françoise Cosserat (User test coordinator), Anne Busin (User test), Laurent Rassinoux (User test), M-Christine Jacquemot (Product owner)

Question sans réponse.

### **maMY : machine actionable DMP compatible user and project management system for Bioinformatics**

GenOuest / IFB maDMP team :

- Konogan Bourhy : developer
- Olivier Sallou : original developer of my.genouest.org
- Mateo Boudet : former developer of project module of my.genouest.org
- Olivier Collin : team leader
- Jacques van Helden : director of IFB

Question sans réponse.

### **maTraining : Formation à l'utilisation de maDMP4LS**

There will be a joint responsibility between IFB and Inist for the training since both Inist and IFB propose training and tutorial sessions for their tools.

Question sans réponse.