

---

# DMP du projet "SituLearn "

Plan de gestion de données créé à l'aide de DMP OPIDoR, basé sur le modèle "ANR - DMP template (english)" fourni par Agence nationale de la recherche (ANR).

## Plan Details

**Plan title** DMP du projet "SituLearn "

**Language** fra

**Creation date** 2021-04-22

**Last modification date** 2021-09-17

**Identifiant**

## Project Details

**Project title** SituLearn

### Abstract

Le projet SituLearn vise à aider les enseignants de tout niveau à enrichir leurs sorties pédagogiques avec des applications mobiles. Le premier objectif consiste à proposer un modèle de jeu éducatif collaboratif, pouvant s'adapter à tout type de sortie. Ce modèle sera intégré dans un outil auteur, permettant aux enseignants de créer leurs propres jeux éducatifs. Le deuxième objectif consiste à créer des interactions de Réalité Mixte sur une carte géographique pour faciliter l'apprentissage collaboratif. Munis d'un smartphone, les apprenants pourront ainsi voir, en temps réel, la position des autres apprenants et des informations sur les points d'intérêts. L'enseignant pourra également suivre l'avancement de ces élèves. Le projet implique des chercheurs en informatique et en didactique et se fera en étroite collaboration avec des enseignants et leurs élèves. Les outils seront mis à disposition gratuitement avec des formations annuelles pour les enseignants et les futurs enseignants.

### Funding

- Agence nationale de la recherche (ANR) :

### Produits de recherche :

1. traces d'usage des applications proposées (Workflow)
2. jeu de données recueillies par des questionnaires (Jeu de données)
3. captation image et vidéo des expérimentations (Audiovisuel)

### Contributeurs

| Nom            | Affiliation | Rôles  |
|----------------|-------------|--|
| iza<br>marfisi |             | <ul style="list-style-type: none"> <li>• Coordinateur du projet</li> <li>• Personne contact pour les données (Jeu de données, traces d'usage, captation)</li> <li>• Responsable du plan</li> </ul> |

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.

# DMP du projet "SituLearn "

---

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

Several experimentations are planned during the SituLearn project to test the effect of the applications we will develop on:

- the teachers' way of designing and conducting a school trip
- the students' way of collaborating and engaging in the activities of the school trip.

We will collect data during these experimentations that will be analyzed and compared in order to validate or invalidate our research hypotheses.

The data will be classified in separate folders on the LIUM internal server.

The users will sign a consent to use their image and data for research purposes. The identity of the users in the tracks and questionnaires will be anonymized.

---

The data will be of 3 types:

- videos (.mp4) and pictures (.jpg) of the users (teachers and students) while they are using the applications
  - usage tracks (xlm) produced by the application
  - answers to the pre and post questionnaires complete by the users (spreadsheet)
- 

## 2. Documentation and data quality

The data will be classified in separate folders, named with the date of the experimentations.

Each of these folders will also include:

- The experimentation protocol used to collect the data
  - The questionnaires given to the uses
  - An XML shema with explanations on the meaning of each XML tag
- 

For the questionnaire answers, the spreadsheet will only accept input within the correct range.

Analysis on the usage tracks could also be performed to make sure the value in each XML tag is in a certain range.

---

## 3. Storage and backup during the research process

The data will be stored on the LIUM internal server.

2 backups will also be kept:

- 1 on the main researchers computer
  - 1 on the an external hardrive
- 

The LIUM server is a secure location stored on local servers.

The identity of the users who generated the usage tracks and answered the questionnaires will be anonymized.

The participants (or their parents if they are children) will need to sign a consent to use their image and data for research purposes.

---

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

The identity of the users who generated the usage tracks and answered the questionnaires will be anonymized.

The participants (or their parents if they are children) will need to sign a consent to use their image and data for research purposes.

---

All the researchers in the project (LIUM and CREN) will have access to the data.

2 printed copies of the consent document are given to the participants :

- One copy needs to be signed and given back to the researcher before the beginning of the experimentation. It will be stored in the main researcher's office for 10 years.
  - The other copy can be kept by the participant. It clearly states the contact and the procedure to request a deletion of their data and images.
- 

The researchers will only use the collected data for research purposes. They also guarantee not to use any videos or pictures that could undermine the participants' dignity in any way.

---

## 5. Data sharing and long-term preservation

The data from the experimentations will only be shared within the researchers of the project.

The possibility of publishing a data paper, with selected portions of anonymized data, will be studied. The videos and photos will not be shared.

---

All the data will be deleted for the servers and backups 10 years after the end of the SituLearn project.

---

- videos (.mp4) can viewed on any video reader software
  - pictures (.jpg) can viewed on any image reader software
  - usage tracks (.xml) can be read on a code editing software
  - spreadsheets (.ods) can to opened with Open Office
- 

The date of the experimentation will serve as a unique identifier.

---

## 6. Data management responsibilities and resources

Iza Marfisi, Associate professor at Le Mans University and leader of the SituLearn project, will be responsible for the data management.

---

This is part of the communication task of the project with the scientific community.