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 "
Fields of science and technology (from OECD classification)	
Language	fra
Creation date	2021-04-22
Last modification date	2023-12-05

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) :

Research outputs :

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

Contributors

Name	Affiliation	Roles
iza marfisi - https://orcid.org/0000-0002-2046-6698		• Coordinateur du projet • Personne contact pour les données (Jeu de données, traces d'usage, captation) • Responsable du plan

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

1a. How will new data be collected or produced and/or how will existing data be re-used?

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.

1b. What data (for example the kind, formats, and volumes), will be collected or produced?

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)

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2. Documentation and data quality

2a. What metadata and documentation (for example the methodology of data collection and way of organising data) will accompany the data?

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 explantations on the meaning of each XML tag

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2b. What data quality control measures will be used?

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.

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3. Storage and backup during the research process

3a. How will data and metadata be stored and backed up during the research?

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

3b. How will data security and protection of sensitive data be taken care during the research

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.

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4. Legal and ethical requirements, code of conduct

4a. If personal data are processed, how will compliance with legislation on personal data and on security be ensured?

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.

4b. How will other legal issues, such as intellectual property rights and ownership, be managed? What legislation is applicable?

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.

4c. What ethical issues and codes of conduct are there, and how will they be taken into account?

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.

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5. Data sharing and long-term preservation

5a. How and when will data be shared? Are there possible restrictions to data sharing or embargo reasons?

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.

5b. How will data for preservation be selected, and where data will be preserved long-term (for example a data repository or archive)?

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

5c. What methods or software tools are needed to access and use data?

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

5d. How will the application of a unique and persistent identifier (such as a Digital Object Identifier (DOI)) to each data set be ensured?

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

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6. Data management responsibilities and resources

6a. Who (for example role, position, and institution) will be responsible for data management (i.e. the data steward)?

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

6b. What resources (for example financial and time) will be dedicated to data management and ensuring that data will be FAIR (Findable, Accessible, Interoperable, Re-usable)?

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