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**Project Number:** 813884

**Project Acronym:** Lowcomote

**Project title:** Training the Next Generation of Experts in Scalable Low-Code Engineering Platforms

## **POPD – REQUIREMENT No. 2**

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**Project GA:** 813884

**Project Acronym:** Lowcomote

**Project website:** <https://www.lowcomote.eu/>

**Project officer:** Anna Starace

**Work Package:** WP7

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**Lead beneficiary:** IMT Atlantique

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<b>HISTORY OF CHANGES</b>		
<b>Version</b>	<b>Publication date</b>	<b>Changes</b>
0.1	Nov. 19, 2019	▪ Initial version
1.0	Dec. 29, 2019	▪ Final version

## **Project Abstract**

Low-code development platforms (LCPD) are software development platforms on the Cloud, provided through a Platform-as a-Service model, which allow users to build completely operational applications by interacting through dynamic graphical user interfaces, visual diagrams and declarative languages. They address the need of non-programmers to develop personalised software, and focus on their domain expertise instead of implementation requirements.

Lowcomote will train a generation of experts that will upgrade the current trend of LCPDs to a new paradigm, Low-code Engineering Platforms (LCEPs). LCEPs will be open, allowing to integrate heterogeneous engineering tools, interoperable, allowing for cross-platform engineering, scalable, supporting very large engineering models and social networks of developers, smart, simplifying the development for citizen developers by machine learning and recommendation techniques. This will be achieved by injecting in LCDPs the theoretical and technical framework defined by recent research in Model Driven Engineering (MDE), augmented with Cloud Computing and Machine Learning techniques. This is possible today thanks to recent breakthroughs in scalability of MDE performed in the EC FP7 research project MONDO, led by Lowcomote partners.

The 48-month Lowcomote project will train the first European generation of skilled professionals in LCEPs. The 15 future scientists will benefit from an original training and research programme merging competencies and knowledge from 5 highly recognised academic institutions and 9 large and small industries of several domains. Co-supervision from both sectors is a promising process to facilitate agility of our future professionals between the academic and industrial world.

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## **Introduction**

The present document is a deliverable of the Lowcomote project (Grant Agreement n°813884), funded by the European Commission Research Executive Agency (REA), under the Innovative Training Networks Programme of the Marie Skłodowska Curie Actions (H2020-MSCA-ITN-2018).

The purpose of this document is to provide detailed information about strategy and procedures related to ethics issues in the project as referred to in the Ethics Summary Report issued on 7<sup>th</sup> May 2019 by the European Commission, and listed in the Grant Agreement of the project (Annex 1 part A). All ethical issues will be addressed in the context of Early-Stage Researcher (ESR) 7 “Mining Interaction Processes in Low-Code Engineering Platforms”, planning user studies to verify the efficiency of the developed interaction mining framework.

In particular, the Ethics Summary Report highlighted in “protection of personal data” (POPD) section that “It is not detailed which personal data will be collected during the studies and how it will be processed. Also the informed consent procedure is not described. There is no information on the origin of the training data to be used, and whether the consortium will have permission for secondary data use. The software developed will be the basis for future apps and systems, and so it is necessary that the systems developed adhere to GDPR.” (p.1)

Therefore, the present document will detail solutions for the following issues as listed in the Grant Agreement (Annex 1 part A):

4.2. The host institution must confirm that it has appointed a Data Protection Officer (DPO) and the contact details of the DPO are made available to all data subjects involved in the research. For host institutions not required to appoint a DPO under the GDPR a detailed data protection policy for the project must be specified

4.4. A description of the technical and organisational measures that will be implemented to safeguard the rights and freedoms of the data subjects/research participants

4.6. Detailed information on the informed consent procedures in regard to data

4.9. Relevant authorisations in case of further processing of previously collected personal data (for training purposes, for instance)

## **1. Appointment of Data Protection Officers (DPOs)**

For the duration of Lowcomote project, 2 institutions will commit their respective Data Protection Officers to the project:

<b>ORGANIZATION</b>	<b>IDENTITY</b>	<b>CONTACT DETAILS</b>
Johannes Kepler University of Linz	a. Univ.-Prof. Dipl.-Ing. Dr. Associate Professor, Johannes Sametinger	<a href="mailto:johannes.sametinger@jku.at">johannes.sametinger@jku.at</a> +43 732 2468 4251
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Their contact details will be made available to all data subjects involved in the research.

## **2. Description of technical and organizational measures to safeguard the rights and freedoms of the data subjects / research participants**

The only personal data being collected includes professional experience. User-identifying data will not be collected. Data will be pseudonimized before being transmitted, each data set will be identified by simple numeric codes that will not allow any link to individuals.

Software that collects information about the behaviour of participants will make sure to identify the collected data only by means of codes used for the participants. Any names, images, audio or video must not be collected.

Data will be stored on servers located in Europe. The mapping table between the codes and the participants will only be accessible by authorized persons.

## **3. Detailed information on the informed consent procedures in regard to data processing**

A template for an information sheet and an informed consent form is available for the project. For specific user studies, they will be adapted and be presented to each participant. Participants have to fill out and sign the form in order to take part in the study. Collected data will be assigned a code for identification. No names will be stored. The only information that may be stored includes gender, age and professional experience.

#### **4. Relevant authorisations (if further processing of previously collected personal data such as training purposes, for instance)**

n/a: Data has not been collected previously.