"This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 813884".

Project Number: 813884

Project Acronym: Lowcomote

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

GEN – REQUIREMENT No. 3

Project GA: 813884

Project Acronym: Lowcomote

Project website: https://www.lowcomote.eu/

Project officer: Anna Starace

Work Package: WP7

Deliverable number: D. 7.3

Production date: 29/12/2019

Contractual date of delivery: 31/12/2019

Actual date of delivery: 6/01/2020

Dissemination level: Confidential, only for members of the consortium (including the Commission services)

Lead beneficiary: IMT Atlantique

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HISTORY OF CHANGES		
Version	**Publication date**	**Changes**
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 Sklodowska 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 7th 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 present document will detail solutions for issues as listed in Ethics Summary Report "general" (GEN) section and in the Grant Agreement (Annex 1 part A):

> Integration of an independent ethical/legal advisor with a focus on data protection expertise needs to be integrated in the project.
> A report concerning GDPR based requirements of the project and compliance of this project with the GDPR

1. Integration of an independent ethical/legal advisor with focus on data protection expertise

For the duration of Lowcomote project, 2 institutions will commit their respective Data Protection Officers to compose the project's Ethics Committee:

ORGANIZATION	IDENTITY	CONTACT DETAILS
Johannes Kepler University of Linz	a. Univ.-Prof. Dipl.-Ing. Dr. Associate Professor, Johannes Sametinger	johannes.sametinger@jku.at +43 732 2468 4251
IMT	Robert Malek Denise Derrien-Péden	dpo@imt.fr +33 1 45 81 81 59 dpo@imt-atlantique.fr + 33 2 29 00 14 54

So as to maintain flexible implementation of the project, no formal calendar or frequency of internal coordination meetings is decided. However, DPOs of both institutions commit to address any data protection issues as quickly as possible in order not to jeopardize smooth implementation of the project, in coordination with the Project Manager.

DPO from the University of Linz remains the coordinator of data protection issues which might occur, while DPOs from IMT act as supervisors. The Coordination Team will report decisions of the Ethics Committee to the Executive Board

Communication within Ethics Committee shall be made per e-mail and include the Project Manager, Marie Chastanet : marie.chastanet@imt-atlantique.fr . In her absence, Massimo Tisi, scientific coordinator of the project should be the contact point for the Coordination Team. Additional on-line meetings will be organized if necessary.

2. Report about GDPR based requirements of the project and compliance with the GDPR

The amount of personal data that is processed will be restricted to the minimal amount possible and will be pseudonymized as part of their use for research purposes. A possible privacy impact will be limited by ensuring that we collect professional experience in a very generic way only (no previous employers, but, e.g., how many years of experience in xxx, no other personal data is collected.

This is in accordance with “Privacy and Data Protection by Design – from policy to engineering” by ENISA, the European Union Agency for Network and Information Security, published in December 2014.