

eUMaP - Research Project Fact Sheet

Title of Project	Development of Utilities Management Platform for the case of Quarantine and Lockdown - completed
Project Acronym	eUMaP
Funding Program	H2020 MSCA-RISE
Project Identifier	Call Identifier H2020-MSCA-RISE-2020, Topic MSCA-RISE-2020
Total Budget / FredU Budget	961400 € / 128800 €
Starting – Ending Date	01/2021-06/2025
Consortium	<ol style="list-style-type: none"> 1. Alma Sistemi Srl (IT) 2. Frederick University FU (CY) 3. Aristotle University of Thessaloniki (GR) 4. Kaunas University of Technology (LT) 5. National Interuniversity Consortium for Transport and Logistics (IT) 6. Geosystems Hellas (GR) 7. Cleopa Gmbh (DE) 8. UAB Caverion Lietuva (LT) 9. Space Systems Solutions (S3)Ltd (CY)
Project Objectives	<p>General:</p> <p>In 2020 Europe went through a very significant economic and social crisis, namely the response to the disease of Coronavirus. Over 200 million European citizens were obliged to observe restrictive measures, in some cases lockdown measures, for governments and local authorities of the Member States of the European Union to address and limit the problem of the spread of the virus. Through this situation, many issues emerged, one of which relates to building utilities under such conditions. Specifically, in a very few days, most European economic activity shifted from the office environment to homes, leading to several problems concerning the completeness and integrity of utilities such as power outages, water shortage, and poor internet connection. The initiative entitled Development of Utilities Management Platform for Quarantine and Lockdown - eUMaP aims to implement all those activities to develop an open platform. Through this platform, local authorities will be able to plan and manage the demand and supply of building utilities in case of quarantine or lockdown. The platform will be developed through a Research and Innovation Staff Exchange (RISE) program. eUMaP platform will be based on the rationale of earth observation, and the recording of the required network information in open BIM platforms of five European capital cities (Rome, Berlin, Athens, Vilnius, Nicosia).</p>
Work Packages	<p>WP1 Program Management</p> <p>WP2 Communication, Dissemination and Exploitation</p> <p>WP3 Recording crisis features in building services</p> <p>WP4 Spatial planning of city service utility networks - GIS</p> <p>WP5 Integration of Digital Technology Monitoring and Management into eUMaP</p> <p>WP6 Utilities Management under crisis conditions</p> <p>WP7 eUMaP Platform Development and Application</p> <p>WP8 Transfer of Knowledge, training and Networking</p>
External References	<p>https://eumap-project.eu/</p> <p>https://cordis.europa.eu/project/id/101007641</p>
Role in the project	Scientific and Technical Manager