**Project summary for web publication**

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| Project reference:  **826567 - LODE** | Project title:  **LODE: Loss Data Enhancement for DRR and CCA Management** |

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| Area of activity / Keywords:  Disaster Risk Reduction, Climate Change Adaptation, Resilience, Loss data, Disaster data, Floods, Critical infrastructures, Earthquake, Information infrastructure |

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| Summary of the action:  Evidence-based, effective and efficient disaster risk reduction (DRR) and climate change adaptation (CCA) assessments, policies and strategies require knowledge and data. This action focus is on developing damage and loss data information systems for DRR and CCA to enhance our understanding of disaster impacts and by doing so support the requirements set by a number of policies and strategies at national, European and international levels. The LODE proposal builds on prior experience of all partners in collecting, organizing, and using disaster damage and loss data at different levels of government. The aim is to better identify and understand the different data collection activities and the related uses in order to share them and produce synergies providing value added for all stakeholders involved. LODE will use a cyclical and adaptive approach to learning from past events to prevent future risks. The project will develop an inclusive damage and loss data model, which will result in an information infrastructure for recording damage from multiple sectors at relevant spatial and temporal scales. The project will show how such an information infrastructure supports a variety of analytical applications, such as  i.) the identification of post-disaster needs and compensation requests;  ii.) forensic investigation of the damages and losses to improve recovery and reconstruction plans;  iii.) accounting at different levels including for Sendai.  The project will show how knowledge acquired from analysing a real event can improve risk models particularly in terms of indirect damage, which is necessary for developing science-based national risk assessments as required by the EU Civil Protection Mechanism and by national legislation. |

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| Project website: [www.lodeproject.polimi.it](http://www.lodeproject.polimi.it) |

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