Acronym – ResCult

Title – Increasing Resilience of Cultural heritage: a supporting decision tool for the safeguarding of cultural assets

Scientific coordinator – Francesco Musco

Department – Department of Design and planning in Complex Environments

Sector ERC – SH3 (SH3_2_3_9_10)

Iuav Role – affiliated entity of CORILA

Lead partner – SiTi (Istituto Superiore sui Sistemi Territoriali per l'Innovazione) - Torino

Duration – 18 months (extended to 23 months)

Start – 01/01/2017

Closure – 30/11/2018

Project budget – € 791.893,11

Iuav budget – € 21.501,00

Funding to Iuav – € 16.126,00

Source of funding – Call EU: DG ECHO – Call for proposals 2016 for prevention and preparedness projects in civil protection and maritime pollution

Description – The ResCult project aims at enhancing the capability of Civil Protection (CP) to prevent/mitigate disasters impacts on Cultural Heritage (CH). This will be done through the realization of an integrated European Interoperable Database (EID) for CH, designed to provide a unique framework (now inexistent) for CP, national Ministries of CH, the EU and local authorities as a supporting decision tool to understand the risk of damage to CH as well as its impact on social cohesion, sustainable cultural tourism and engagement with local communities in protecting the environment, as envisaged by the Union Civil Protection Mechanism (Decision 2014/762/EU). It helps in developing a disaster risk reduction strategy identifying tailored actions and investments to improve both prevention and resilience capacities. The EID will provide: - Design and prototype of a European Heritage Map including existing cultural heritage databases, based on EU Standards for geo-spatial data harmonizing and sharing (ex. INSPIRE); - CH information (typology, economic value, materials, vulnerability, procedures for recovery/movement, actions to be avoided, operational decision tools, etc.); - a sort of "cadastre" of happened disasters with evaluations about affected items, prevention measures, operations and results, direct or indirect financial losses and social consequences (also for examining cost-benefits issues of risk prevention measures); - a platform for monitoring and modelling risk scenarios in specific disasters, identifying risk factors, vulnerability and priorities to orient prevention strategies; - an advice-seeking interface (good-practice sharing), for specific disasters scenarios CP needs; - a platform for acquiring crowd-data (further source of data) from citizens and stakeholders, helpful to establish priorities according to CH assets-related belonging feeling or social issues; - 3D models to help finding/recognizing dispersed artworks/art pieces, support restoration in post-emergency and preserve the "digital memory" in case of destruction or damage; - a knowledge base useful for training, education and research about CH and disaster reduction.

Objectives – The ResCult project general objective is to enhance the capability of CP to prevent/mitigate disasters impacts on CH, offering a tool to strengthen the Member States – EU multidisciplinary cooperation in the field of CP when dealing with CH (in line with the UCPM objective). On a more detailed level, this can be broken down in the following specific objectives: - increasing the harmonization of the existing CH and disaster knowledge bases through proper EU standards and their eventual adjustment to specific needs; - increasing the cooperation and solidarity among CP systems and disaster risk management stakeholders in various levels of competences: international (UNISDR), national (involved civil protections), subnational (cities endorsing the projects, involved entities managing specific and particular portions of land, such as the Venice lagoon, plus citizens (without any sort of discrimination) and different-States multidisciplinary research entities; - sharing a knowledge base to support risk prevention, risk management, post-disaster recovery as a reference to "build back better" and also storing important documentation about lost objects (preserving the "memory"); - performing risk analysis by means of specific queries, ad hoc analysis and modelling algorithms (to be specifically disposed) in the GIS, for ResCult project pilot cases (specific disaster scenarios); - use of analysis results in urban planning process and response strategies planning, integrating disaster risk management in economic and financial decision and strategies, for improving urban resilience; - increasing of public awareness for disasters especially regarding CH.

Website – www.rescult-project.eu

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