18/12/2021 Day 2

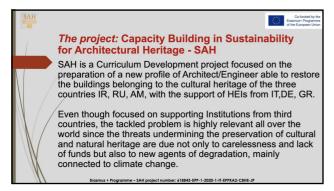
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## 2.4 Preserving Architectural Heritage: The Compulsory Interdisciplinary Skills Prof. Anna Tozzi

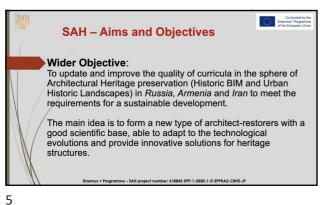


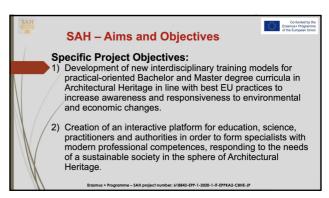
Co-funded by Erasmus+ Program of the European U **SAH - Partners EU Partners:** Università degli Studi dell'Aquila (IT), Coordinator Rheinisch-Westfaelische Technische Hochschule Aachen (DE) National Technical University of Athens (GR) RF Partners:
, Federal State Institution of Higher Education Moscow State Kazan State University of Architecture and Engineering Northern (Arctic) Federal University Samara State Technical University



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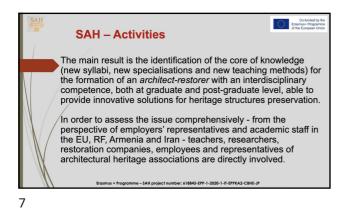
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SAH – Activities 1) Up-dating and tuning of the existing curricula in architectural and restoration fields 2) Identification of the specific competences and skills for the new professional profile at BA and MA level. 3) Design of a set of courses and training materials, meeting both academic and enterprise demands All courses/modules/programmes will cover the items outlined in the ICOMOS Guidelines for Education and training in the conservation of Monuments, Ensembles and Sites (1993). 4) Accreditation of the new programmes and pilot teaching.

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**SAH - Activities** The new Architect-Restorers will be provided with strong skills in innovative smart technologies and urbanistic research, and ability to understand, analyse and evaluate the constraints related to heritage and the environment in which it is Provided with the dual skills in SMART and digital (BIM) technologies on one side, and in historic urbanistic analysis on the other, the new professionals will be powerful actors in establishing relevant specifications relating to the introduction of historic BIM (HBIM – digital models of heritage projects) and the historical urban landscape.

Co-funde Erasmus+ Pro SAH - Activities The Creation of a Network of Multidisciplinary Centres of "Sustainability for Architectural Heritage" (NSAH) at partner universities, will ensure The continuation of the cooperation and the establishment of an international research team, The creation of international groups of students working together for joint projects. The continuous cooperation/consultation with professional experts to assess the quality of these projects, The establishment of teachers' and students' mobility schemes and international tracks for the award of double/multiple degrees. NSAH centres can be seen as Living Laboratories

Short summary of the presentation In this meeting we present two experiences made by University of L'Aquila that provide expertise and know-how during SAH implementation: 1. The results of a recently concluded project on the development of a modeling system useful for the short-term prediction of degradation on metals and stone materials that can be estimated from constantly evolving atmospheric agents. These results will be extended to climatic scales to assess the impact of climate change on the potential degradation of outdoor cultural heritage;

2. The ICT support to the restoration of monuments after the earthquake of 2009, that, involving several competences confirms and explains the need of a multidisciplinary approach.

nus + Programme – SAH project number: 618843-EPP-1-2020-1-IT-EPPKA2-CBHE-J

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