A Cloud Computing infrastructure for the Competence Centre for the Conservation of Cultural Heritage (4CH)

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On behalf of the 4CH collaboration

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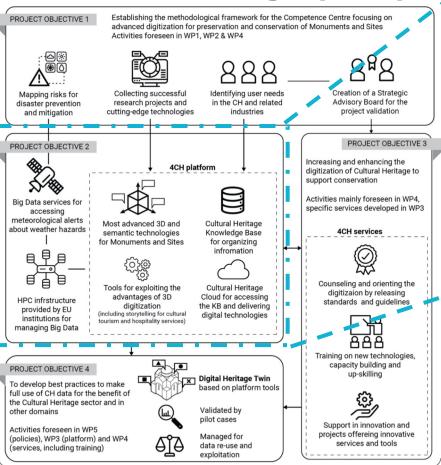






Competence Centre for the Conservation of

Cultural Heritage (4CH)

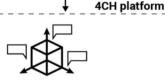




Big Data services for accessing meteorological alerts about weather hazards



HPC infrstructure provided by EU institutions for managing Big Data



Most advanced 3D and semantic technologies for Monuments and Sites



Tools for exploiting the advantages of 3D digitization (including storytelling for cultural tourism and hospitality services)



Cultural Heritage Knowledge Base for organizing infromation



Cultural Heritage Cloud for accessing the KB and delivering digital technologies

The CH is to design and prepare for a European Competence re for the Conservation of Cult

The Competence Center Idress several tenics such as a cural her age is managed, the risks it may be enough to the technologies that can be used in its conservation and how it shall be exploited.

PROJECT OBJECTIVE 5

To define the operational, financial and legal conditions for the creation of the Competence Centre

Activities foreseen in WP2 and WP6



structure



structures





engagement



Funding model and ustainability

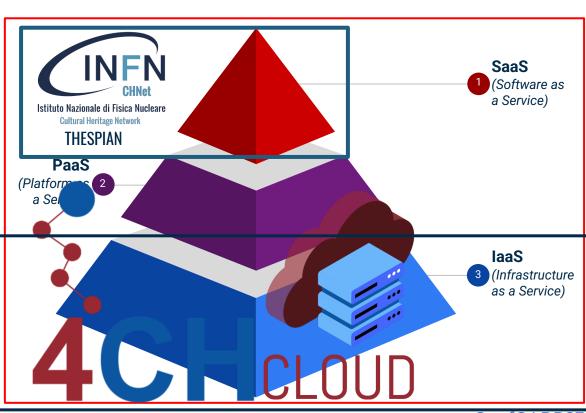
Towards the development of a 4CH Cloud Platform - part I



Effort has been spent to **design** and **implement** a proper architecture, able to combine different software stack, and aimed at **providing** users with the capability of using different software services.

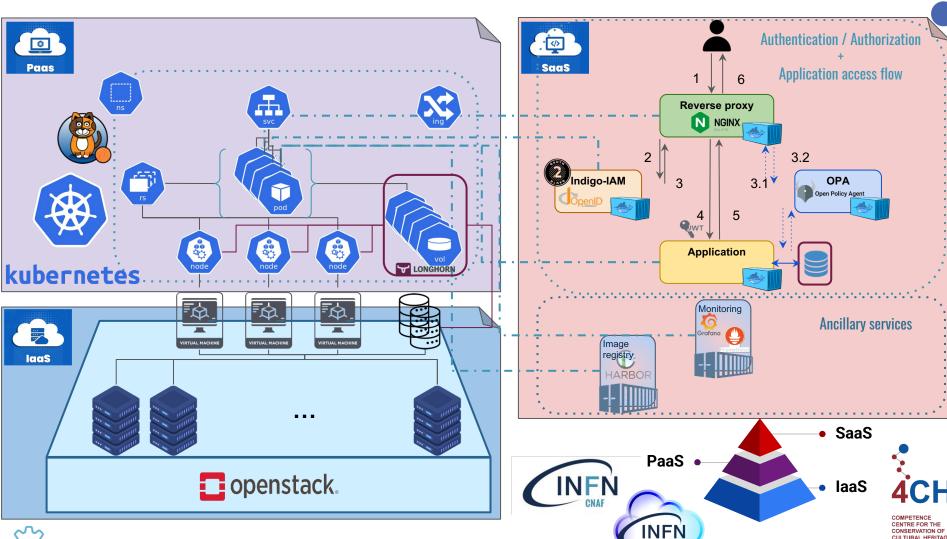
To host the 4CH services for cultural heritage, a cloud-native approach has been adopted to implement a 4CH Pilot infrastructure hosted on **Cloud@CNAF** resources as part of **INFN Cloud** collaboration





Towards the development of a 4CH Cloud Platform - part II





Infrastructure-as-Code (IaC)

4CH cloud - next steps

At the time being, some services provided by and for the **Cultural Heritage community**within the activities of the 4CH project have been ported and hosted in the **4CH Cloud Platform**.

Those **services** and processes are **part of a lively ecosystem** of activities expected to evolve within the 4CH project to **accommodate** further needs and requirements.







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4CH: https://www.4ch-project.eu/





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