

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

Alessandro Bombini

On behalf of the 4CH collaboration

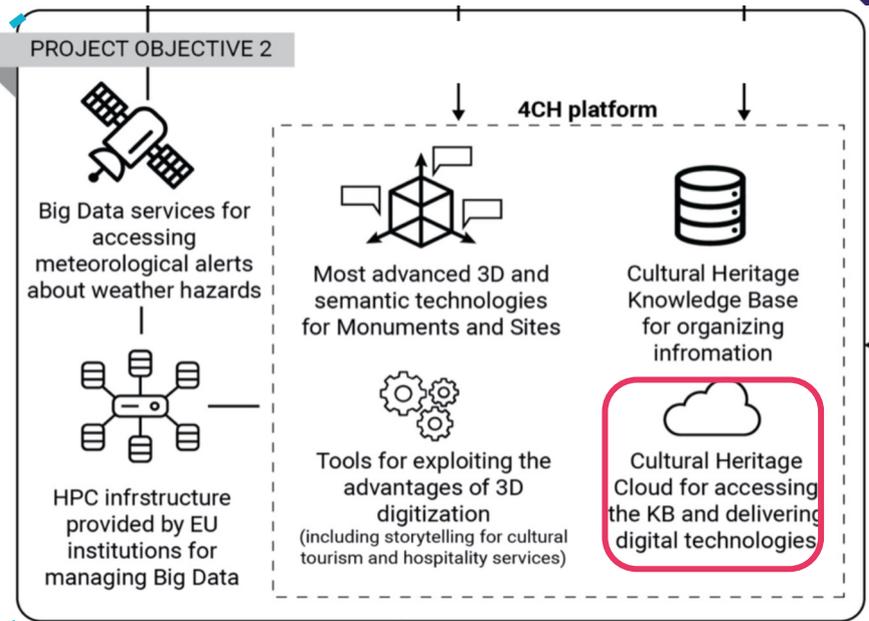
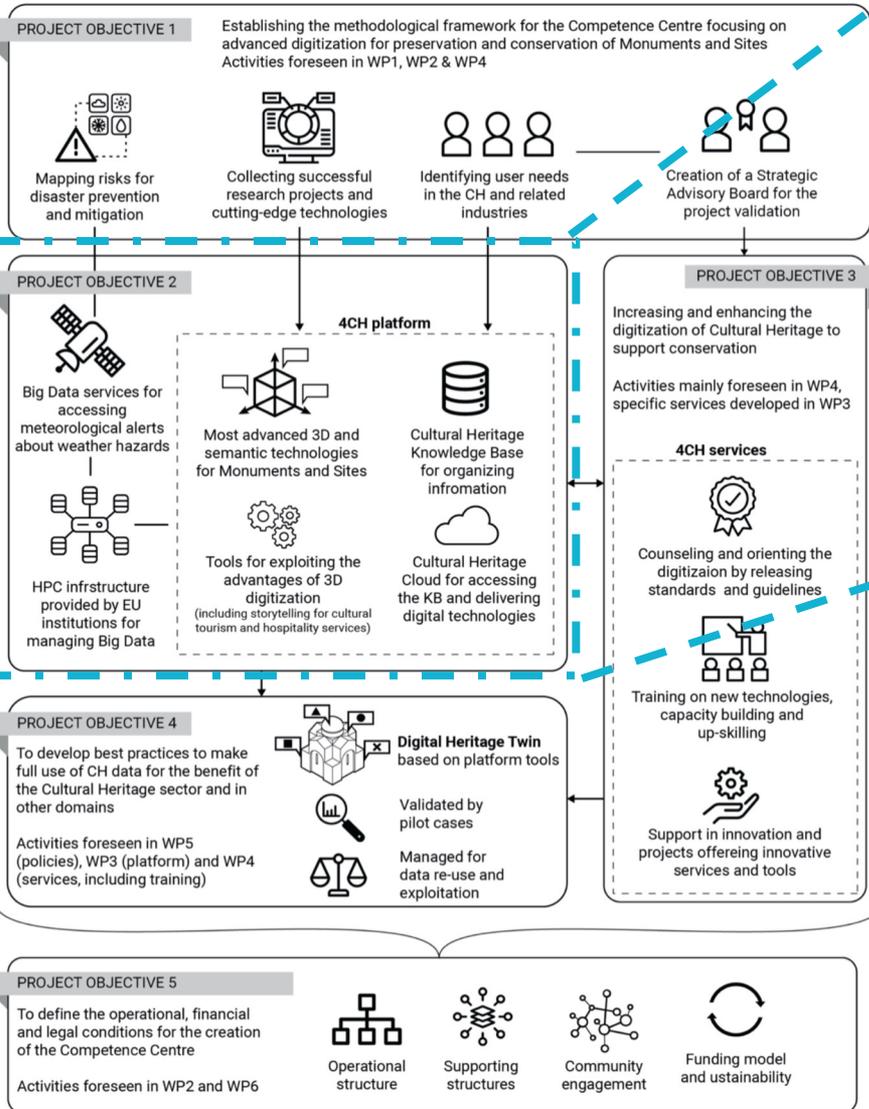
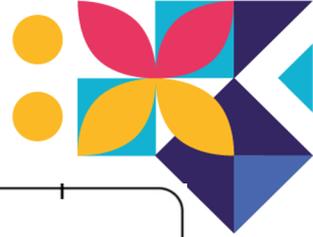
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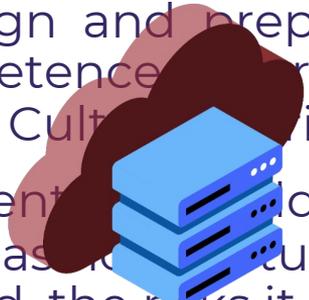
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Competence Centre for the Conservation of Cultural Heritage (4CH)



The 4CH is to design and prepare for a European Competence Centre for the Conservation of Cultural Heritage. The Competence Centre will address several topics such as how cultural heritage is managed, the risks it may be exposed to, the technologies that can be used for its conservation and how it shall be exploited.



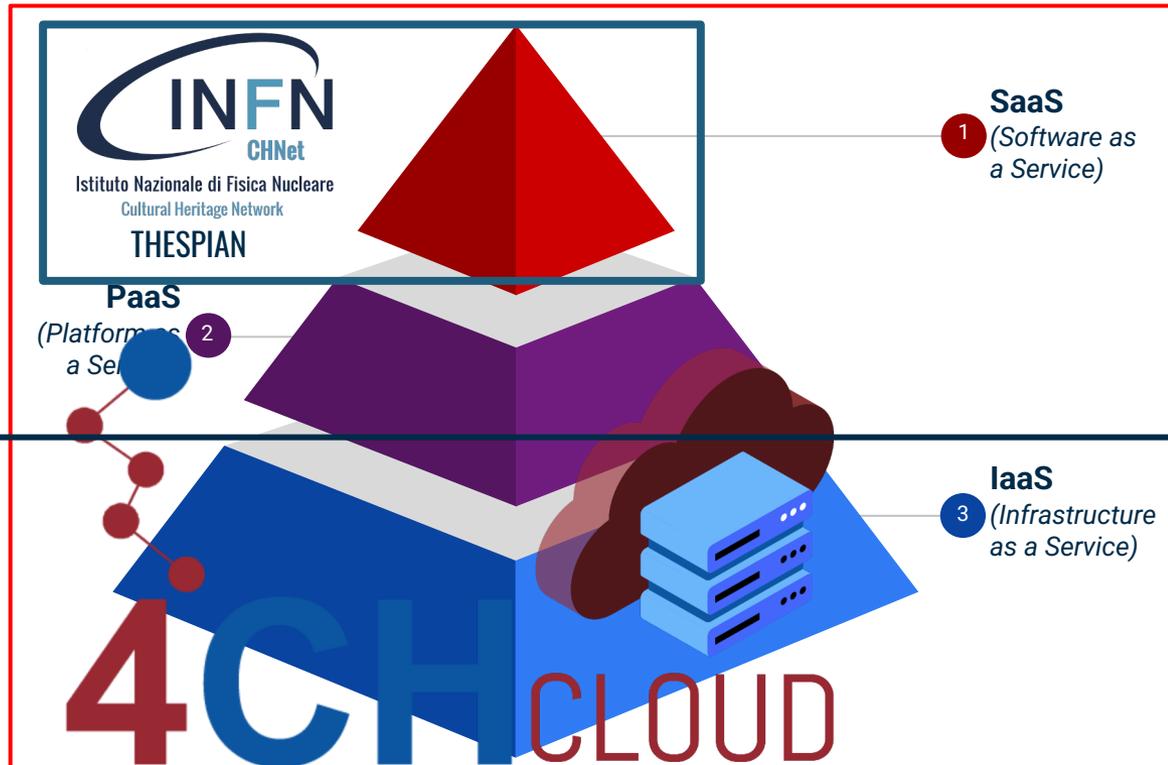
4CH CLOUD



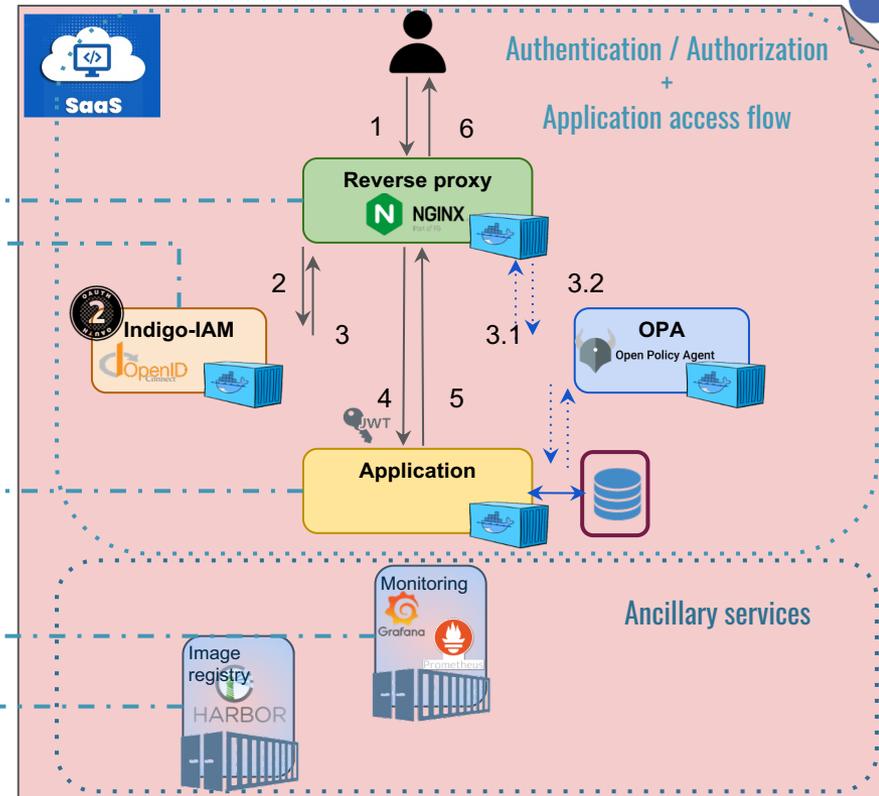
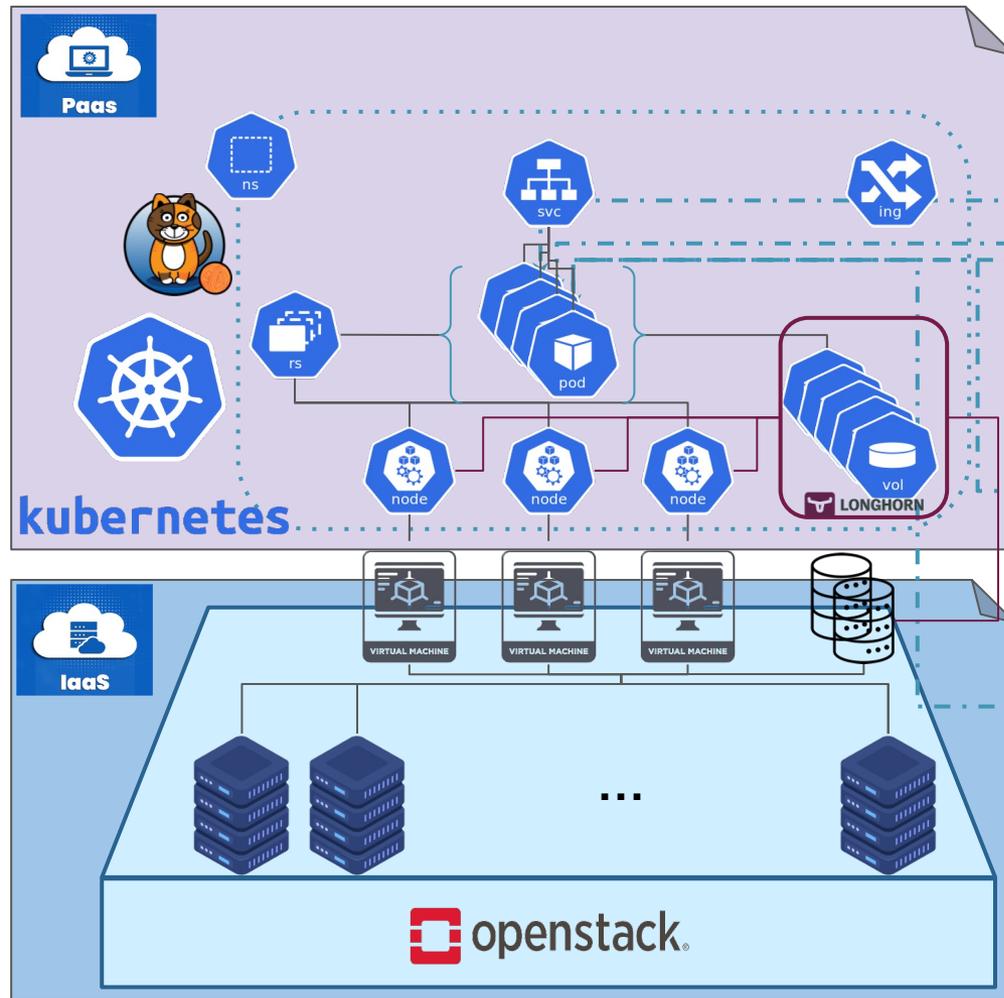
Towards the development of a 4CH Cloud Platform - part I

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)

• SaaS
• PaaS
• IaaS

4CH
 COMPETENCE CENTRE FOR THE CONSERVATION OF CULTURAL HERITAGE

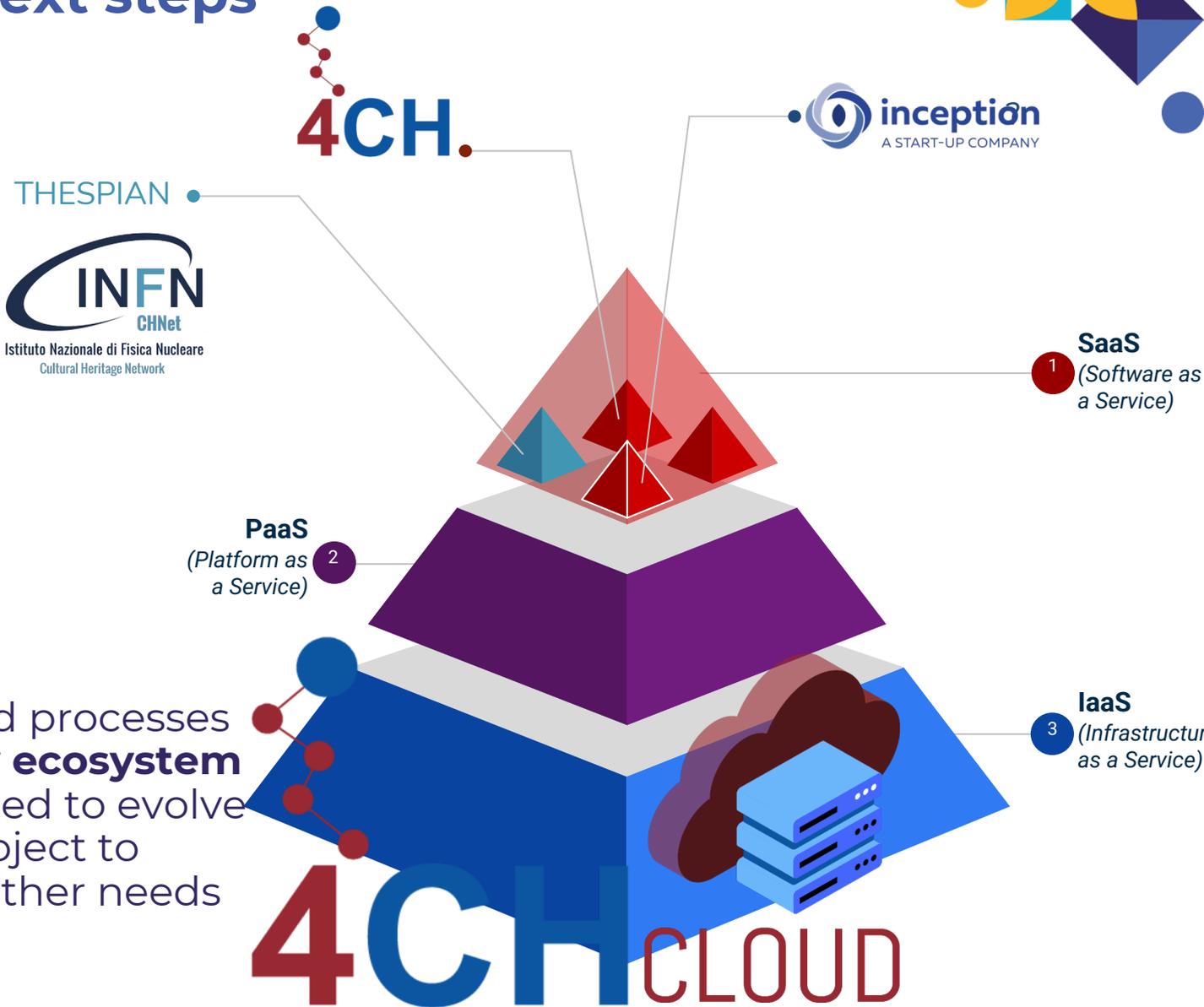


4CH cloud - next steps



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.



Thanks for your attention!

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



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