



Novel approaches and technologies for resource and service management

Collaboration cluster of H2020 projects

<https://eucloudclusters.wordpress.com/new-approaches-for-infrastructure-services/>

Objectives

NATRES cluster is a forum for discussing the current research and innovation challenges encountered at infrastructure-as-a-service level generated by the desire to improve the user experiences and the efficient use of the available resources. The current trends are including the integration of special devices from high performance computing ones to mobile devices, the design of decentralised service-oriented systems, the improvement of the virtualization technologies, the overcome of portability and interoperability issues, or the automation the organisation and management of the back-end resources. Cloud-based applications from the fields of Internet-of-Things and Big Data are expected to challenge the new services.

Public documents (available at the NATRES web site)

1. [Map-of-Challenges](#) (October 2015)
2. [Recommendations](#) for the WP18-19 of H2020-ICT (December 2015)
3. [White paper version 1.0](#) (March 2016)

Involved actions (FP7/CIP/H2020-ICT actions):

[AppHub](#), [ARCADIA](#), [BEACON](#), [CloudLightning](#), [CloudSpaces](#), [ClouT](#), [CloudWave](#), [DICE](#), [ENTICE](#), [iKaaS](#), [INPUT](#), [IOStack](#), [Mikangelo](#), [Mobile Cloud Networking](#), [Mo-bizz](#), [MODAClouds](#), [MUSA](#), [RAPID](#), [SPECS](#), [SWITCH](#)

Meet us:

NATRES Booth at NetFutures 2016, April 20-21th, Brussels.

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