

# Cluster of Cloud related actions

 NET  
FUTURES 2017



**Novel approaches and technologies for  
Cloud resource and service management**

[eucloudclusters.wordpress.com/new-approaches-for-infrastructure-services](http://eucloudclusters.wordpress.com/new-approaches-for-infrastructure-services)

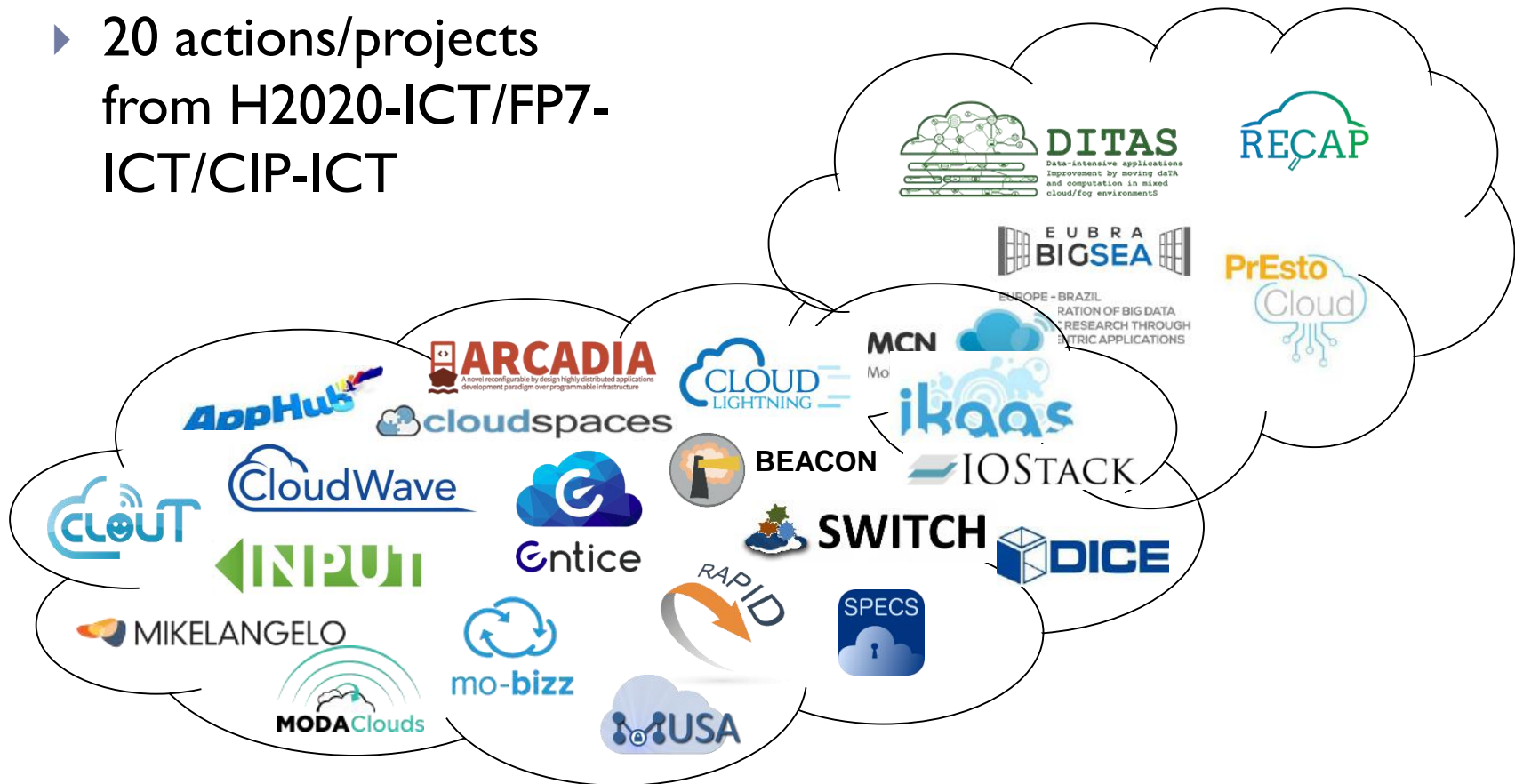
# Cluster membership



▶ Started in June 2015

▶ 20 actions/projects from H2020-ICT/FP7-ICT/CIP-ICT

▶ 4 recent requests



# Cluster Objective

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Forum

for discussing

the current research and innovation challenges

encountered at infrastructure-as-a-service level

and generated by the desire

to improve

the user experiences

and the efficient use of the available resources



# Goals

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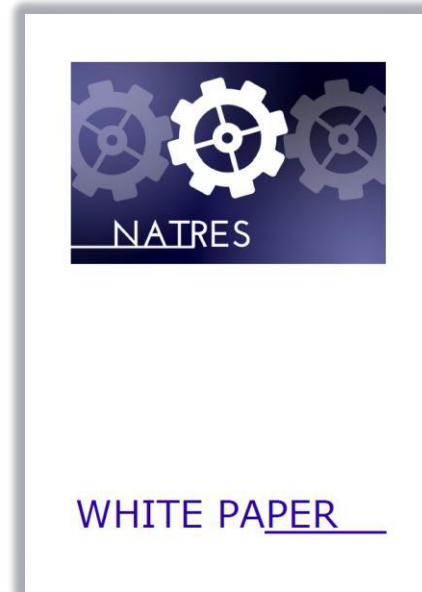
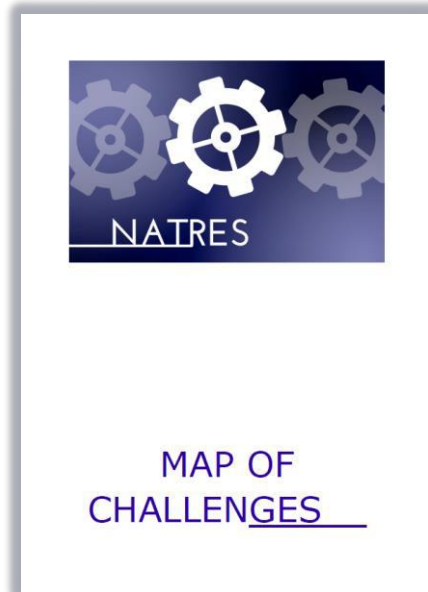
- ✓ define a **map of the challenges**  
related to the group topics & approaches /actions
  - ✓ identify **complementarities and synergies**  
for collaboration & results adoptions by other actions
  - ✓ identify **new challenges**  
to influence the new research agendas by providing  
recommendations
  - ✓ organisation of **common dissemination actions** like  
common publications (e.g. articles, white papers)  
trainings and workshops
- 



# Documents



- ▶ **Map of challenges**, Oct 4, 2015
- ▶ **Recommendations for the WPI8-19**, Dec 24, 2015, based on a questionnaire from Nov 2015
- ▶ **White paper**, Apr 15, 2016



# Examples of joint events



- ▶ **MICAS 2015**, 21 Sept 2015, 1 tutorial, 6 action presentations
- ▶ **Booth at NetFuture 2016**, 20 Apr 2016



# Examples of joint papers/vols



- ▶ Paper at Closer 2016, 24 Apr 2016, 5 actions
- ▶ Special Issue of Scalable Computing Journal, 11 Oct 2016, 5 actions

## On the Next Generations of Infrastructure-as-a-Services

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Keywords: Infrastructure-as-a-Service, Surveys, Previsions.

Abstract: Following the wide adoption by industry of the cloud computing technologies, we can talk about a second generation of cloud services and products that are currently under design phase. However, it is not yet clear how the third generation of cloud products and services of the next decade will look like, especially at the delivery level of Infrastructure-as-a-Service. In order to answer at least partially to such a challenging question, we initiated a literature overview and two surveys involving the members of a cluster of European research and innovation actions. The results are interpreted in this paper and a set of topics of interest for the third generation are identified.

## 1 INTRODUCTION

see what the *third generation* of Cloud products will bring out-of-the-box, as well when the user adoption

## Scalable Computing: Practice and Experience

Volume 17, Number 4, December 2016

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# Next steps

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- ▶ **Expectation:**
  - ▶ new actions to take over the initiative & leadership
- ▶ **To discuss in the after-noon meeting:**
  - ▶ Presentation of the achievements of the oldies
  - ▶ Presentation of the goals of the newiests
  - ▶ Together redefine:
    - ▶ New „cycle”?
    - ▶ Maintain the goals?
    - ▶ New type of outputs?
    - ▶ Change the organisation?
    - ▶ Who will lead the initiative?

# More infos

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- ▶ **Web site with the documents:**

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



- ▶ **Contacts:**

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**You are expected in River 6  
for NATRES meeting!**

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