Cluster of Cloud related actions

NET FUTURES 2017

NATRES

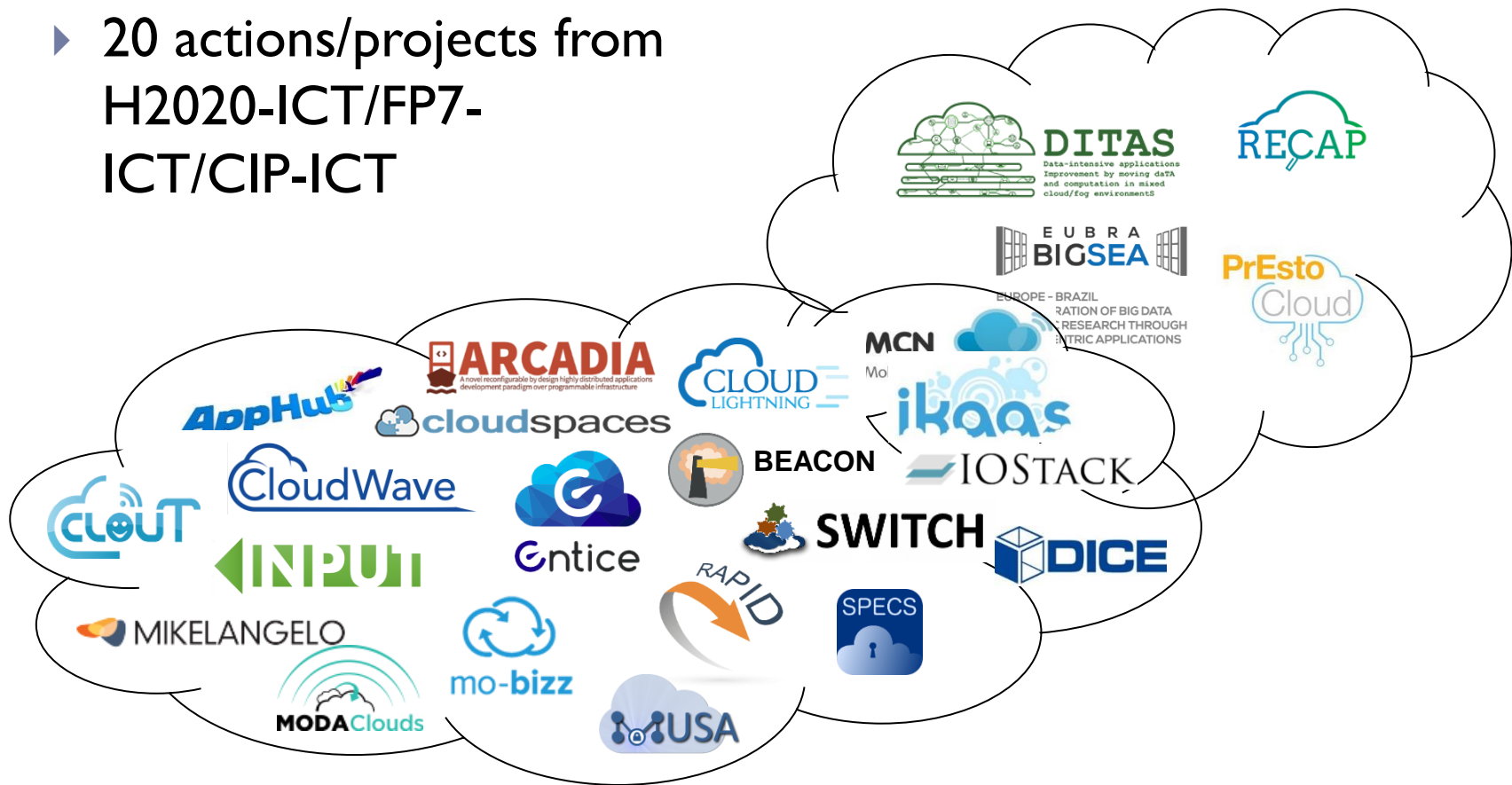## Novel approaches and technologies for Cloud resource and service management

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

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

- ✓ 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 WP18-19**, 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

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Next steps

- 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

▸ **Web site with the documents:**

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

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