



# Break-out session 1

## Cloud Computing

Ana M. Juan Ferrer, ATOS & Coordinator, ASCETiC  
Lorenzo Accardo, Union Européenne des Petites et  
Moyenne Entreprises et de l' Artisanat, Clouding SMEs

# Projects & presenters

## Call 10 Lightning Talks

- ◆ BigFoot - Marko Vukolic, EURECOM
- ◆ CloudSpaces - Marko Vukolic, EURECOM
- ◆ CELAR - Ioannis Konstantinou, ATHENA/IMIS
- ◆ HARNESS - Alexander Wolf, Imperial College London
- ◆ LEADS - Anja Strunk, AoTerra GmbH
- ◆ OCEAN - Yury Glickman, Fraunhofer FOKUS
- ◆ PaaSage - Pierre Guisset, ERCIM

## Call 10 Lightning Talks

- ◆ Ascetic - Ana Juan Ferrer, ATOS
- ◆ CloudCatalyst - Dalibor Baskovc, EuroCloud
- ◆ Cloud4Europe - Peter Deussen, Fraunhofer FOKUS
- ◆ Clouding SMEs - Lorenzo Accardo, Union Européenne des Petites et Moyenne Entreprises et de l'Artisanat
- ◆ CoherentPaaS - Ricardo Jimenez-Peris, Universidad Politecnica de Madrid
- ◆ ClouT - Isabel Matranga, Engineering

# Top 5 R&D Challenges and future view

- ◆ Research should start from needs of society
- ◆ Performance guarantees need to be considered in Clouds
- ◆ How to make use of clouds invisible = transparent for developers
- ◆ Security of cloud applications



# Challenges and future view

- ◆ Challenges related to scalability associated to cloud developments
- ◆ Applications that expand multiple clouds = geolocation
- ◆ Increasing number of devices
  - ◆ big data
  - ◆ IoT



# Top 5 Cross cutting themes

- ◆ Design and development of cloud applications
- ◆ Elasticity
- ◆ Personal clouds
- ◆ Focus on batch oriented applications
- ◆ Standards
- ◆ Model approaches to tackle heterogeneity
- ◆ Data privacy not as common as could be expected

# Top 5 New collaboration opportunities and new ideas

- ◆ Suggestion to organise focus=thematic workshops
  - ◆ Ocean plan to organise workshops
- ◆ Collaboration with EGI
- ◆ Apply results in societal challenges
- ◆ Common dissemination materials and opportunities
  - ◆ Closer example = multcloud workshop
- ◆ Need of user involvement