Breakout 2: Internet of Services & heterogeneous clouds

Franck Fleurey, SINTEF & Technical Coordinator, HEADS
Marc Shapiro, INRIA & LIP6 & Coordinator, Syncfree
Projects & presenters

Call 8 Lightning Talks
- **ARTIST** - Karim Djemame, University of Leeds
- **BETaaS** - Luca Cucchi, INTECS
- **Broker@Cloud** - Ewald Quak, SINTEF
- **CloudScale** - Richard Sanders, SINTEF
- **SUCRE** - Eleni Toli, University of Athens

Call 10 Lightning Talks
- **FELIX** - Bartosz Belter, PSNC
- **Heads** - Franck Fleurey, SINTEF
- **HTML5Apps** - Daniel Dardailler, WC3
- **Panacea** - Dimiter Avresky, International Research Institute for Autonomic Network Computing - IRIANC
- **SeaClouds** - Francesco D'Andria, ATOS Spain
- **SyncFree** - Tyler Crain, INRIA,

Call 5 Lightning Talk: **SOCIETIES** - Micheal Crotty, TSSG, Waterford Institute of Technology
Top 5 Cross cutting themes

◆ Portability, no lock-in
◆ Too many clouds, too many APIs
◆ “Transparent” 1 = like a centralized system
◆ “Transparent” 2 = show what's really happening (location, availability, information flow, costs)
◆ Transformative: not just porting, re-think the way we do things
Top 5 R&D Challenges

- Data portability
- Security
- Transparency 2
- Middleware vs. Adapting to platform
- Heterogeneous infrastructures, devices
Top 5 New collaboration opportunities and new ideas

- Comparative platforms for service provider offerings
A view to the future: A vision of what the interoperable cloud ecosystem will look like in 2016

◆ State-of-the-art European providers
◆ State-of-the-art European experimental facilities
◆ Users can trust their data & computing to the cloud (like they trust their money to the bank)
◆ My cloud works with your cloud “transparently” 1+2