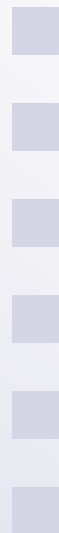


# Experimentally Driven Research



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# Scope of the Session

## Speakers

- ◆ Nancy Alonistioti (Chair)
- ◆ Didier Bourse
- ◆ Martin May
- ◆ Vania Conan
- ◆ Dimitri Papadimitriou

## Scope

- ◆ Experimentation as a methodology to achieve concrete results
- ◆ Experimentation facilities as a service to R&D
- ◆ Impact of Standardisation
- ◆ Requirements and Limitations



# Open Questions

- Interoperability of experimentation facilities?
- Benchmarking, metrics and KPIs for experimentation?
- What cannot be tested in FIRE-like experiments as compared to the real Internet?
- How to find realistic scenarios with „real“ users, so users behave the same way as in the real world?
- What is best ratio between costs and level of realism?
- Intersection between FI PPP experiments and FIRE experiments?
- How to guarantee reproducible, verifiable, reliable, repeatable results?
- ...



# Recommendations

- Make sure that FI Services meet the future European societal needs (green, ehealth, smart cities, transport...)
- Bridge between existing network-focused testbeds and user-focused living labs for evaluations
- Bring together the network community with the service/software community
- Need for tools and languages to describe and automatically set up experiments in served experiment facilities
- Need of a model for standardised and service-based access to testbeds and experimental facilities (Testbed-as-a-Service) => comparable results of experiments
- ...