The role of SDN in the research funding landscape of Europe

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"The views expressed in this presentation are those of the author and do not necessarily reflect the views of the European Commission"
Where did we come from?
SDN in FP7

e.g. FELIA, CHANGE, SPARC, IRATI

... many more ...
Where are we now?
SDN in FP7 Call 11

- [COSIGN] Combining Optics and SDN In next Generation data centre Networks
- [NetIDE] An integrated development environment for portable network applications
- [PRISTINE] Programmability In RINA for European supremacy of virTualised Networks
- [T-NOVA] Network Functions as-a-Service over Virtualised Infrastructures
- [UNIFY] Unifying Cloud and Carrier Networks
Where do we go to?
SDN in ...

FP7

HORIZON 2020
Creating Industrial Leadership and Competitive Frameworks
- Leadership in enabling and industrial technologies
  - ICT
  - Nanotech., Materials, Manuf. and Processing
  - Biotechnology
  - Space
- Access to risk finance
- Innovation in SMEs

Excellence in the Science Base
- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

Tackling Societal Challenges
- Health, demographic change and wellbeing
- Food security, sustainable agriculture and the bio-based economy
- Secure, clean and efficient energy
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Secure Societies

Shared objectives and principles

Simplified access

Common rules, toolkit of funding schemes

Dissemination & knowledge transfer

Europe 2020 priorities

EIT
JRC

ICT
ICT
ICT
ICT
ICT
Where do we go to?
SDN in ...

- FP7
- Draft WP 2014/15 LEIT ICT
  ICT 5 – 2014 Smart Networks and novel Internet Architectures

► Content subject to change – WP preparation process still on-going
Next steps

- Opinion by Member States representatives on WP2014-15  
  October 2013  
- ICT 2013 event in Vilnius  
  6-8 November 2013  
- Publication of first calls for proposals  
  11 December 2013  
- Closing of first calls  
  Spring 2014
ICT 2013 Event
6-8 November 2013, Vilnius

- Conference
- Exhibition
- Networking

Information and registration: ec.europa.eu/ictevent
Where do we go to?
SDN in ...

FP7

Draft WP 2014/15 LEIT ICT
ICT 14 – 2014: Advanced 5G Network Infrastructure for the Future Internet (5G PPP)

Content subject to change – WP preparation process still on-going
5G MOBILE
Research focus

1. 1. Faster, more powerful and more energy efficient solutions for integrated high capacity access, core and data centre networks for a wider range of services
   - Wireless networks
   - Optical networks
   - Automated network organisation - network management and automation
   - Implementing convergence beyond the last mile access

2. 2. Re-designing the network
   - Information centric networks
   - Network Function Virtualisation
   - Software Defined Networking
   - Networks of clouds

3. 3. Ensuring availability, robustness and security

4. 4. Ensuring efficient hardware implementations
Thank you!

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Network Technologies