



[www.networld2020.eu](http://www.networld2020.eu)



**The European Technology Platform for  
communications networks and services**



# Networld2020 SRIA Webinar, Feb. 3.-4. -21

Smart Networks in Context of Next Generation Internet,  
Strategic Research and Innovation Agenda

Day 2 - Technology View

**JYRKI HUUSKO**

Networld2020 Expert Advisory Group  
(VTT Technical Research Centre of Finland Ltd)



The European Technology Platform for  
communications networks and services



# SRIA 2021 – 2027

## What is the SRIA

- Reference document on challenges in communication networks, services and connectivity domain and roadmap
- Community build, driven by Networld2020 community
- Updated frequently (2-3 year periods)
- The latest update finalized fall 2020
  - Triggered by 2<sup>nd</sup> Visions of Future Communication Summit in Lisbon 2019
  - Developed inside team led by Ari Pouttu and Jyrki Huusko for about six months, with support of Networld2020 steering board
  - Reviewed and iterated with formal public consultation

# SRIA 2021 – 2027

## SRIA is used

- As a driver for designing future EU R&D programs especially in communication technology domain
- As an independent indication of scientific challenges across Europe
- As a recommended scope document for national R&D programs in several countries
- As an alignment document on the expected performance improvements in several scientific domains related to communication networks and services



# SRIA Webinar 3.-4.2.2020

## TODAY – Technology view

### Overview of SRIA content

1. Introduction
2. Policy Frameworks and Key Performance and Value Indicators towards 2030  
(Editors: Ari Pouttu, Werner Mohr)
3. Human Centric and Vertical Services (Editor: Josep Martrat)
4. System Architecture (Editor: Artur Hecker)
5. Edge Computing and Meta-Data (Editor: Kari Seppänen)
6. **Radio Technology and Signal Processing** (Editor: Wen Xu)
7. **Optical Networks** (Editor: Jörg-Peter Elbers)
8. Network and Service Security (Editor: Emmanuel Dotaro)
9. **Satellite Communication Technologies** (Editor: Alessandro Vanelli-Coralli)
10. **Opportunities for Devices and Components** (Editor: Andre Bourdoux)
11. **Emerging Technologies and Challenging Trends** (Editor: Rui L. Aguiar)



# Rules and Practicalities

## Many Persons Attending and There is Limited Network Capacity

- *Please be patient*
  - Please keep the **camera off** and **microphone muted** if not talking
  - Delays in communications are expectable, also there can be unexpected technical issues (systems are still far from perfect)

## Lots of Interesting talks

- *Please be patient*
  - There are several interactive slots in agenda and chat for making comments during talks

## Maybe too short time for discussions...

- *Please be patient*
  - Follow the rules, so we are able to keep the schedule

## Managing time and questions

- Questions and comments are preferred via chat and will be moderated after presentation slots if time permits – use @<name> to address question in “Everyone” chat room
- If time permits, more general comments from the audience will be taken
- Summary document will be produced (sessions will be recorded for internal purposes)
- Material to be made available afterwards

# SRIA Webinar 3.-4.2.2020

(TIME IN CET) ⚡	SYSTEM VIEW 3 FEBRUARY 2021	TECHNOLOGY VIEW 4 FEBRUARY 2021
9:30 - 9:40	Opening words and introduction to agenda (Rui Aguiar)	Opening words and introduction to agenda (Jyrki Huusko)
9:40 - 10:00	Overview of SRIA targets and content - Day 1 (Ari Pouttu)	Overview of SRIA targets and content - Day 2 (Ari Pouttu)
10:00 - 10:30	Human centric and Vertical Services (Josep Martrat)	Opportunities for devices and components (Andre Bourdoux)
10:30 - 11:00	Network and system architecture (Artur Hecker)	Radio technologies (Wen Xu)
11:00 - 11:10	Short Break	Short Break
11:10 - 11:40	Edge computing and meta-data (Kari Seppänen)	Optical Networks (Jörg-Peter Elbers)
11:40 - 12:10	Network and service security (Emmanuel Dotaro)	Satellite communication technologies (Alessandro Vanelli-Coralli)
12:10 - 12:30	Emerging Technologies and Challenging Trends for System view + "Open Microphone" (Rui Aguiar)	Emerging Technologies and Challenging Trends for Technologies + "Open Microphone" (Rui Aguiar)
12:30	Closing of the seminar	Closing of the seminar



The European Technology Platform for  
communications networks and services

