

ECS SRIA advisory Stakeholder Forum

October 17th, 2024

Patrick Coge, AENEAS, ECS SRIA Chair



*Strategic Research and
Innovation Agenda 2025*



The ECS SRIA Team 2025



Patrick Coge
AENEAS
Chairman



Paolo Azzoni
Inside IA
Co-chairman



Matthias Küntzel
EPoSS
Co-chairman

Core Team

- Arco Krijgsman - ASML
- Christophe Wyon - CEA
- Jerker Delsing - LTU
- Jürgen Niehaus - Safetrans
- Patrick Pype - NXP
- Sven Rzepka - Fraunhofer
- Wolfgang Dettmann - Infineon

More than 300 European experts

- Interdisciplinary
- Across the whole ECS value chain
- Representing industry, RTO and academia
- Involved in R&I programmes and standardization activities
- Across almost all participating states

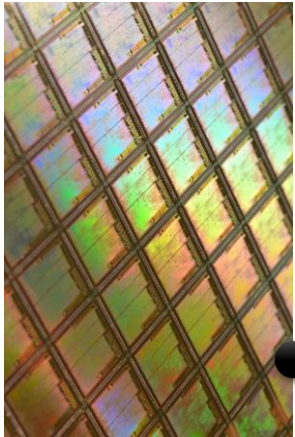
The ECS-SRIA 2025

A tool to align and coordinate research policies across Europe

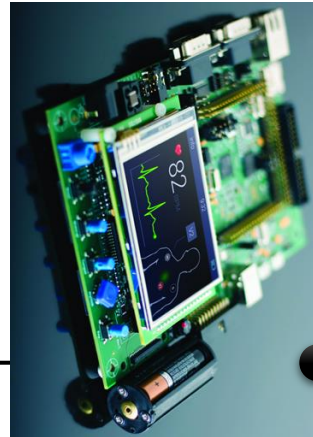


The ECS SRIA - What ?

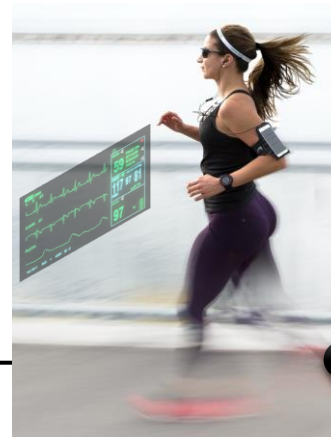
- Presenting research topics to be investigated over next 15 years
- To foster and accelerate our European digital transformation reflecting European values
- Covering the whole ECS value chain



Materials, processes, semiconductors, micro & nano electronic components, ...



Smart sensors, integrated devices, edge AI, embedded SW, ...

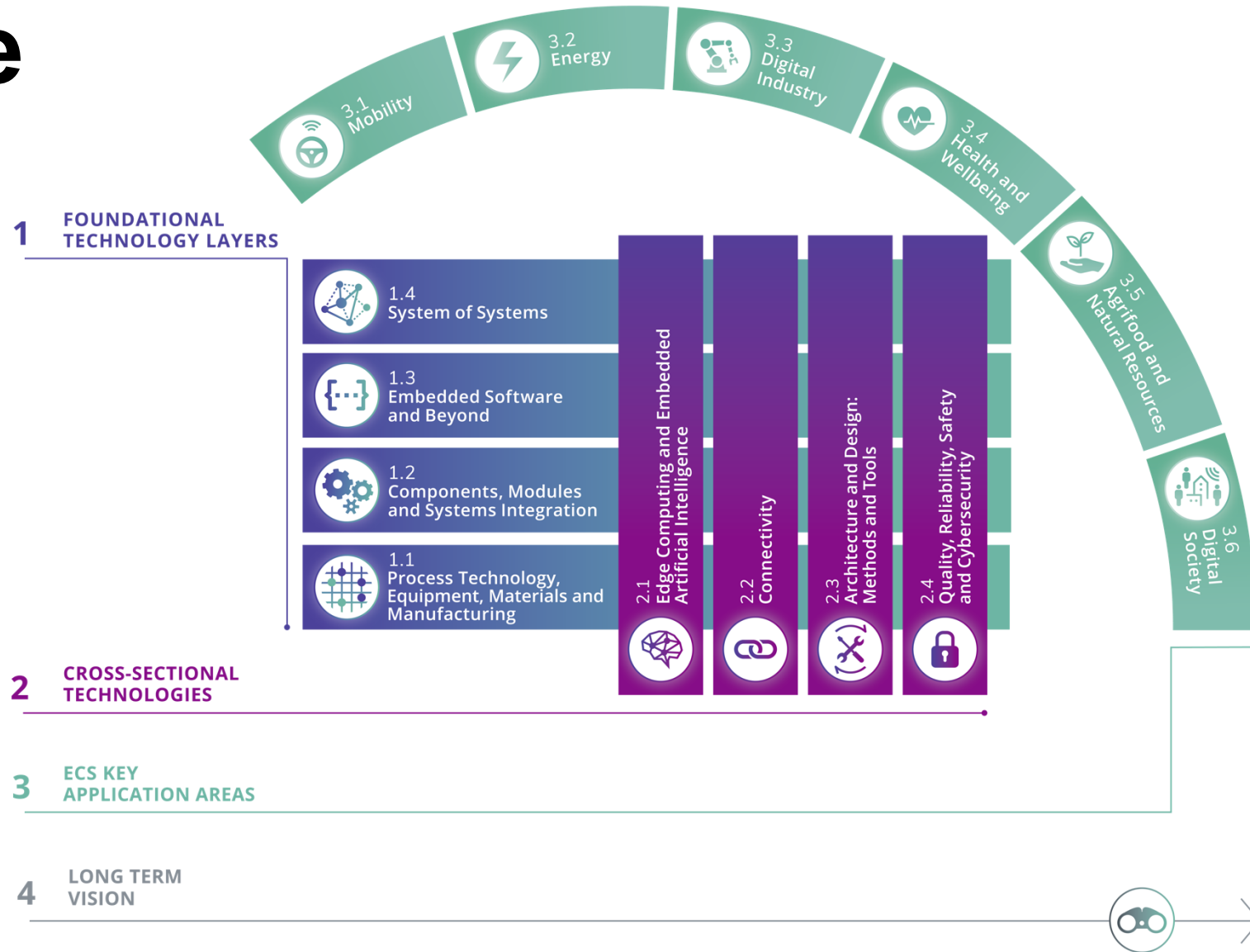


Systems and applications, value creation, societal goals, ...




ECS engineering tools

ECS-SRIA Structure



Workshop organisation

- 4 sessions
 - Foundational technology layers – Session chair Wolfgang Dettmann
 - Cross-sectional technologies – Session chair Paolo Azzoni
 - Key application areas – Session chair Wolfgang Dettmann
 - Long term vision – Session chair Paolo Azzoni
- In each session
 - Brief presentation of each chapter, then Q&A
 - Ask your questions via Slido
 - Via mobile (with QR code) or computer (link indicated in chat)
 - Start asking questions during chapter presentations
 - Do not repeat existing questions, use “thumb-up” instead 
 - Selected questions will be answered online, others will be addressed afterwards in writing and answered posted
- Mute yourself

Main evolutions – Chapter 0

Restructured in Why / What / How

- Why

- The ECS ecosystem : a key enabler of prosperity for Europe
 - Strategic advantages for the EU
 - Technology-enabled societal benefits
- The ECS SRIA : An agenda aligned with European priorities



Moved and condensed
from individual chapters

- What

- Scope & Structure
- Positioning with respect to other strategic agendas
- New and growing trends
 - Chiplets, Open Source Hardware, Quantum Technologies, Silicon Photonics, AI, Engineering Support
- Further changes vs. previous edition
- Global timelines & SRIA outline



New and/or expanded
cross-cutting themes

- How

- Navigating the SRIA
- Make it happen – Link with Pilot Lines and the Design Platform