

# ECSEL – JU

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# Calendar - ECSEL JU 2017 calls

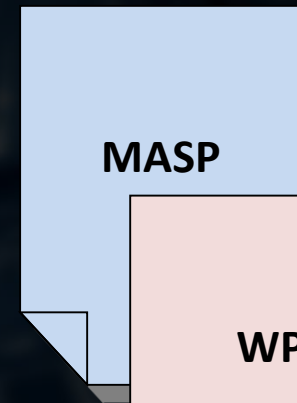
- Calls launch: 22<sup>nd</sup> February '17
- Phase 1: Project Outline: 11<sup>th</sup> May '17
- Phase 2: Full Project Proposal: 21<sup>st</sup> September
- Funding Decision: end November '17





# ECSEL JU 2017 Calls

- The Multi Annual Strategic Plan and Work Plan 2017



**Industry Associations  
Working Groups refine  
these documents**

**ECSEL JU derives  
from them the official  
documents for the Calls**



# MASP 2017 – What's New?

- Many upgrades – so read in detail !!!
- New Essential Capability – “Safety and Security”



# MASP 2016 vs 2017

- The Following Slides:
  - Summarise the most important changes in the MASP 2017 as compared to that of 2016
  - Are based on information provided by the working-group leaders who are responsible for the content
  - Are a summary of the most important changes only, provided as a guide.

**The reader is referred to the currently valid revision of the MASP2017 document for details!**





# MASP 2016 vs 2017

Key Applications: Smart-	Mobility	<ul style="list-style-type: none"> <li>Update of industry roadmaps for smart mobility &amp; research roadmap</li> <li>Incorporation of various research inputs from ECSEL private partner members</li> <li>Update of the cooperation chapter with other programs and MASP chapters</li> </ul>
	Society	<ul style="list-style-type: none"> <li>Add introduction; Improved positioning relative to other MASP chapters</li> <li>Addition of Smart-City &amp; Smart-Building applications</li> <li>Less focus on safety &amp; security (new Essential Technology chapter)</li> <li>More logical ordering and clustering &amp; update of calendar in the roadmap.</li> </ul>
	Energy	<ul style="list-style-type: none"> <li>Clearly positions the role of ECS in shift from uni- to bi-directional power flow.</li> <li>Objectives unchanged, because CO2 emission targets stay in focus.</li> <li>Higher priority for safety and security &amp; lowest power demand for IoT solutions</li> </ul>
	Health	<ul style="list-style-type: none"> <li>Introduction: objectives updated</li> <li>Food Safety is removed as specific objective - now part of personal health.</li> <li>Strategy section completely rewritten</li> <li>Technical challenges completely restructured, priorities identified and results stated</li> <li>Cross reference and Roadmaps sections updated updated and renewed</li> </ul>
	Production	<ul style="list-style-type: none"> <li>New executive summary/abstract</li> <li>'Objectives' have been sharpened and clarified.</li> <li>'Strategy' paragraph edited for better understanding; 'Collaborative Automation..' has been removed and the top level needs for smart production have been reworked</li> </ul>



# MASP 2016 vs 2017

Essential Capabilities	P, E & M	<ul style="list-style-type: none"> <li>Update of technology roadmaps to match most recent international roadmaps</li> <li>New Grand Challenges identified</li> <li>New requirements for Equipment, Materials and Manufacturing (More Moore, MtM, Assembly and Packaging)</li> </ul>
	Design	<ul style="list-style-type: none"> <li>Many adaptation due to new Safety and Security chapter!</li> <li>The four challenges renamed &amp; contents adapted:</li> <li>Impact and expected achievements updated</li> <li>Schedules and Roadmaps updated (2017 to 2028)</li> </ul>
	CPS	<ul style="list-style-type: none"> <li>General, across all + extended analysis of business models and market opportunities</li> <li>Elaboration Internet of Things (IoT)</li> <li>“Principle, architectures ...”: emphasise SoS, MDE and re-use. New “Multi-/manycore”</li> <li>“Enabling technologies ...”: HMI, data analytics, V&amp;V</li> <li>“Computing platforms ...” : New - complexity issues and “Digital platforms” chapter</li> </ul>
	SSI	<ul style="list-style-type: none"> <li>Definition of SSI extended, e.g. 3D integration, multi physics, interaction with environment</li> <li>Reliability and Safety and Security are further extended (Table updated)</li> <li>Schedules/Roadmaps is more detailed</li> <li>Tables for the Roadmap of Implementation of Priority Topics revised</li> </ul>
	S&S	<ul style="list-style-type: none"> <li>This section is completely new.</li> </ul>

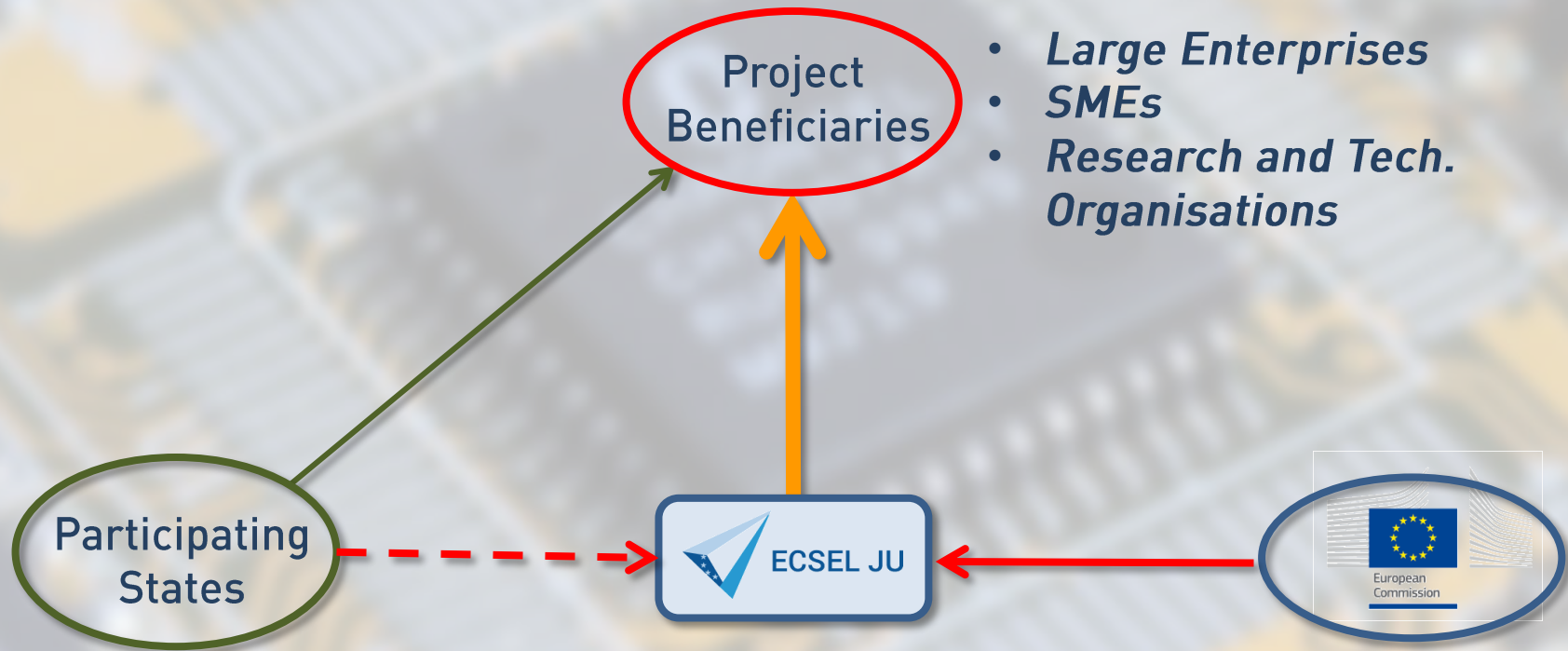
# ECSEL JU “Lighthouse Initiatives”

- Build on well identified market-pull related to societal needs, with a strong pan-European dimension
- Create ecosystems along the relevant value and supply chains, where appropriate:
  - Working towards clustering of projects
  - Having a strategic IP management policy
  - Establishing a standardization strategy
  - Addressing the relevant non-technical aspects (legislative, regulatory, social, ...)





# ECSEL JU funding: EU and National funding together

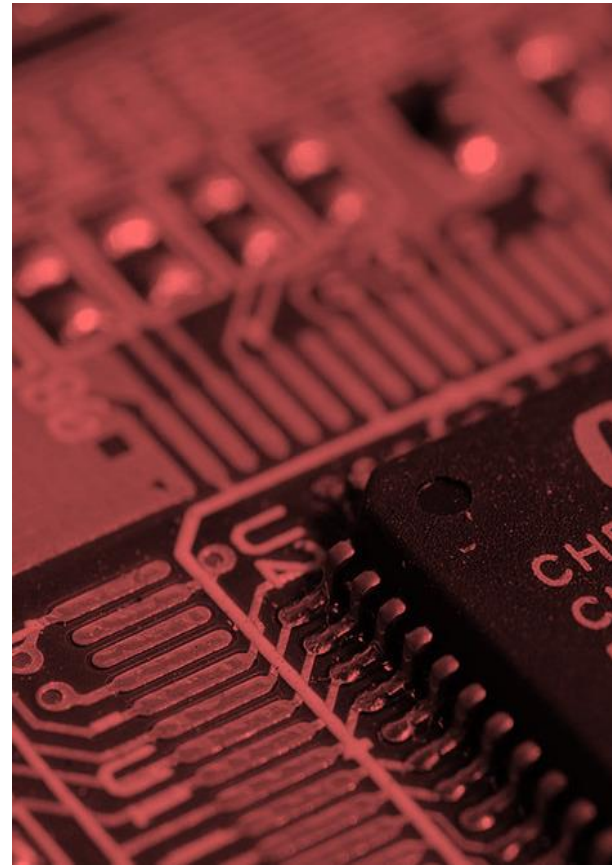
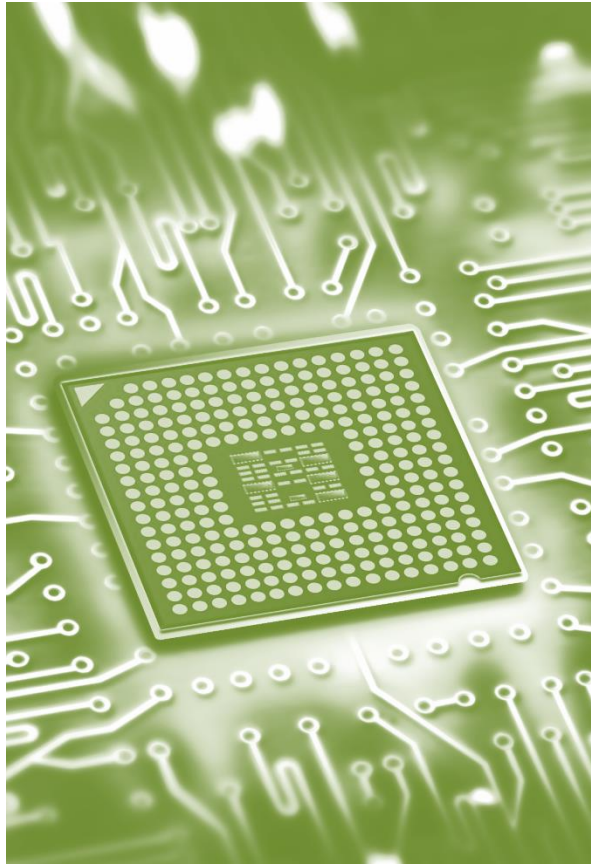
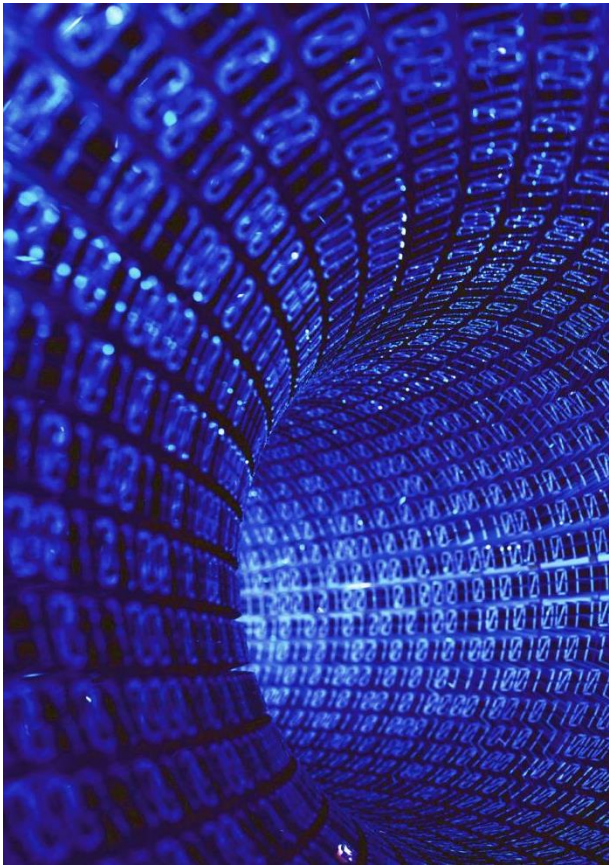


# More information?

- ECSEL Call Forum 2017
  - Brussels, 2nd March 2017
  - Registrations open!
  - See website for details!
- ECSEL Symposium 2017
  - Malta, 13th and 14th June
  - under the auspices of the EU Presidency
  - Check website for details!







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Thank You

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