EUREKA Clusters
What are EUREKA Cluster projects

• A cluster is an industry initiated strategic long-term initiative to develop technology within a certain area of interest for Europe

• Clusters organize calls for projects within their domain for improving the competitiveness of the Cluster industry

• National funding bodies of EUREKA countries select and fund projects of these calls according to national funding rules
# Relevant Clusters for Smart Mobility

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<th>Cluster</th>
<th>Description</th>
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<td>ITEA 3</td>
<td>Software intensive systems and services</td>
<td><a href="https://www.eurekanetwork.org/content/itea-3">https://www.eurekanetwork.org/content/itea-3</a></td>
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<tr>
<td>Celtic Next</td>
<td>Next generation telecommunications</td>
<td><a href="https://www.eurekanetwork.org/celtic-next">https://www.eurekanetwork.org/celtic-next</a></td>
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<td>Euripides 2</td>
<td>Smart electronic systems</td>
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<td>Penta</td>
<td>Micro and Nano electronic technologies and applications</td>
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Participation in Cluster projects:

• Participation from at least 2 EUREKA countries
• With minimum participation, the participants can’t belong to the same concern
• A single Finnish company can participate on its own (with companies from other countries)
• At least 2 Finnish companies must participate if a Finnish research organization participates
Cluster participation, continued

- Funding rates for EUREKA Cluster projects:
  - SME 50%
  - Midcaps and LE’s 40%
  - Research organizations 70%
- Typical project size:
  - 3 – 4 countries
  - 2 – 14 participants
  - 30 – 36 months
  - 1,5 – 15 M€
Cluster Calls

• Mostly annual 2 phase calls, PO (Projet offering) and FPP (Full Project Proposal)
• ITEA 3 has 2 calls annually, only FPP’s
• PENTA and EURIPIDES have a joint call, a proposal can be labeled in 2 clusters
• PO proposal evaluation drops out 10 – 20% of proposals
• FPP evaluation selects (labels) roughly 50% for national funding
• Final funding decision of any project is still done nationally
Clusters miscellaneous

- Only national funding applications -> only national reporting, national payments
- Time from application to start of project: 9 to 15 months
- Excellent start level for companies that are not yet experienced in joint international projects
- Fast track and Flagship categories for fast funding decisions
- EUREKA countries: EU countries + IS, NO, CA, CH, RU, TR, KR, ZA, CY, IL, AR, CL (full list: https://www.eurekanetwork.org/content/which-countries-are-eureka-members)
ECSEL Joint Undertaking  (https://www.ecsel.eu/)

• A Public-Private Partnership (PPP) for Electronic Components and Systems (ECS) for funding research and innovation projects, mainly within the EU – and associated countries NO, CH, TR, IL

• Project scope: improving pan-European competitiveness and technology within the ECS industry

• Partly funded by the EU (1 / 1 funding i.e. EU puts in 1€ for each national 1€)
ECSEL calls for proposals

- Annual 2 phase call for proposals (PO + FPP)
- 2 project categories: Research and Innovation Action (RIA) and Innovation Action (IA). Additionally Flagships or Special Topics
- Total available funding available annually over 300 M€
- Proposed projects each year: 30 – 50; funded 15 - 20
- Number of participants / project: 10 – 100
- Number of countries / project: 4 – 20
- Project duration typically 36 months
ECSEL, national funding rules

• Companies are welcome to participate alone
• At least 2 Finnish companies must participate if a Finnish research organizations (RTO) participate
• In RIA, RTO share must be < 50% of the total national budget
• In IA, RTO share must be < 30% of the national budget
• Allocated national annual funding for grants: 7M€
ECSEL, national funding rules, continued

• Funding rates:
  • SMEs’ 35%
  • LEs’ 20%
  • RTOs’ 38%

• Funding is based on grants in RIA
• Funding is based on grants in IA as well, but loans are possible for SMEs’ and LEs’ with really high TRL (Technology Readiness Level) projects