



# ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

## H2020-ECSEL-2018-3-CSA-Industry4.E – Additional Call Requirements

The specific conditions (Specific Challenge, Scope and Expected Impact) for the Industry4.E Coordination and Support Action are described in “Annex 7: Call 2018-3, CSA Industry4.E support action” of the ECSEL Work Plan 2018.

This action is to develop a coherent, coordinated and sustainable approach to support **Industry4.E**, the ECSEL Lighthouse Initiative in the field of Digital Industry.

In addition to the requirements described the ECSEL Governing Board document GB.2017.79 ([https://www.ecsel.eu/sites/default/files/2017-09/ecsel\\_gb\\_2017\\_79\\_-\\_lighthouse\\_initiatives\\_0.pdf](https://www.ecsel.eu/sites/default/files/2017-09/ecsel_gb_2017_79_-_lighthouse_initiatives_0.pdf)), it is necessary to further describe the specific tasks to be implemented within the action in order to be able to achieve the expected impact as described in the ECSEL Work Plan 2018.

Therefore, following additional call requirements apply to this call (Call 2018-3, CSA Industry4.E support action):

1. The CSA should plan to actively assist the LIASE in the continuous refining of the four Major Challenges defined in the Digital Industry chapter of the ECSEL MASP 2018 enabling the successful execution of the roadmap leading to the digitalization of the European industry. Specific actions to be addressed in this respect are:
  - Evaluate overlap/complementarity/added value with other running and near future programmes/activities in the field, in particular, but not limited, to the ConnectedFactories CSA coordinated by EFFRA.
  - Establish commonalities among the Industry4.E projects.
  - Identification of possible technical gaps for inclusion in future ECSEL Work Plans.
  - Address technical crosscutting aspects as for instance cybersecurity, data availability, interoperability, etc...
  - Address other crosscutting aspects as for instance standardisation or regulatory aspects.
  - If necessary, create ad-hoc working groups on identified specific topic(s). These working group should have a limited duration (typically maximum 3-4 months) and to deliver concrete outputs.
2. The CSA should support the LIASE in the definition of how different research communities are going to collaborate. In that respect the CSA should describe a **comprehensive strategy/plan** covering following actions/aspects:
  - Bring projects together (ECSEL and non-ECSEL projects)
  - Facilitate the dialogue and cooperation among all stakeholders.

- Put forward/elaborate on the added value of Industry4.E
  - Stimulate sharing of best practice among the Lighthouse projects on how the cross-cutting focus points are addressed, i.e. create conditions for ecosystem like mutual benefits.
  - Stimulate sharing of non-confidential project information in order to stimulate synergies between projects on a more operational level.
  - Stimulate the participation of SMEs
3. The CSA should foresee work on Industry4.E Visibility. In that respect the CSA should describe a **comprehensive strategy/plan** covering following actions/aspects:
- Present an Industry4.E dissemination plan including:
    - projects workshops on identify RD&I or crosscutting topic(s)
    - public general dissemination eventsThe proposed events need to have the necessary quality and critical mass to make impact.
  - Organise exploitation workshops to help projects:
    - To clearly identify expectations in terms of project results at the beginning of the project.
    - To establish a management plan to achieve these expectations (leadership)
    - To maximize the output of the project.
  - Provide guidelines to help the projects to increase the social impact and uptake of project results. These guidelines should help the projects to build success stories addressing communication towards wide non-technical audience.
  - Provide guidelines on sustainability of project results beyond the project lifetime.
  - Reaching out:
    - Reinforce the links to transnational, national and regional initiatives → establish links to Digital Innovation Hubs (DG CNECT) and clusters of projects (DG GROWTH)
    - Establish links to relevant PPPs as ECSO (cybersecurity), DBVA (Big Data), robotics, etc... and other relevant communities as for instance AIOTI (European Alliance of the Internet of Things).
    - Reach out to relevant EUREKA projects.
    - Create links to the EIT future KIC on added-value manufacturing.
    - Consider links with skills development initiatives such as the “Digital skills and jobs coalition” launched by the European Commission.
  - Define appropriate KPIs to measure the success of the Industry4.E lighthouse.
4. The CSA should support the LIASE in his relation with the ECSEL JU Governing Board. Specific actions to be addressed in this respect are:
- To assist the LIASE in its effort to identify opportunities for Industry4.E related R&D&I activities and to advise the ECSEL JU Governing Board on specific topics to be included in future ECSEL Work Plans.
  - To assist the LIASE in his obligations to report to the ECSEL JU Governing Board on the progress achieved by the Industry4.E lighthouse based on the defined KPIs.