E C S E L – J U

Fabrizio Martone
Programme Officer
Torino 1 March 2018

1

Outline

- ECSEL introduction

- Call 2017 Summary

- Call 2018 Preview

- Q&A

What is ECSEL?

Electronic Components and Systems for European Leadership

E C S E L

Joint Undertaking

a Public-Private Partnership
Keeping Europe at the Forefront
of Technology Development

Established by the Council Regulation (EU)
No 561/2014
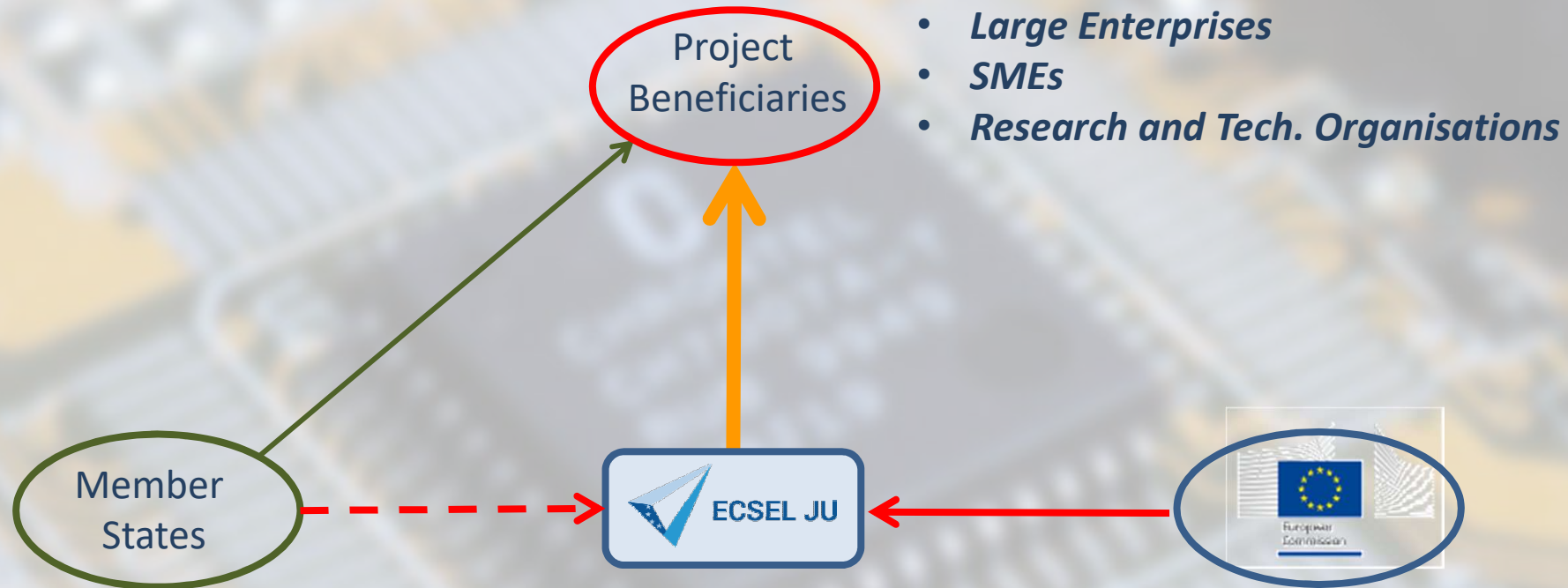
What is ECSEL? - Principles

Implement Horizon 2020:

- Develop favourable conditions for investing in knowledge and innovation
- Achieve smart, sustainable and inclusive growth
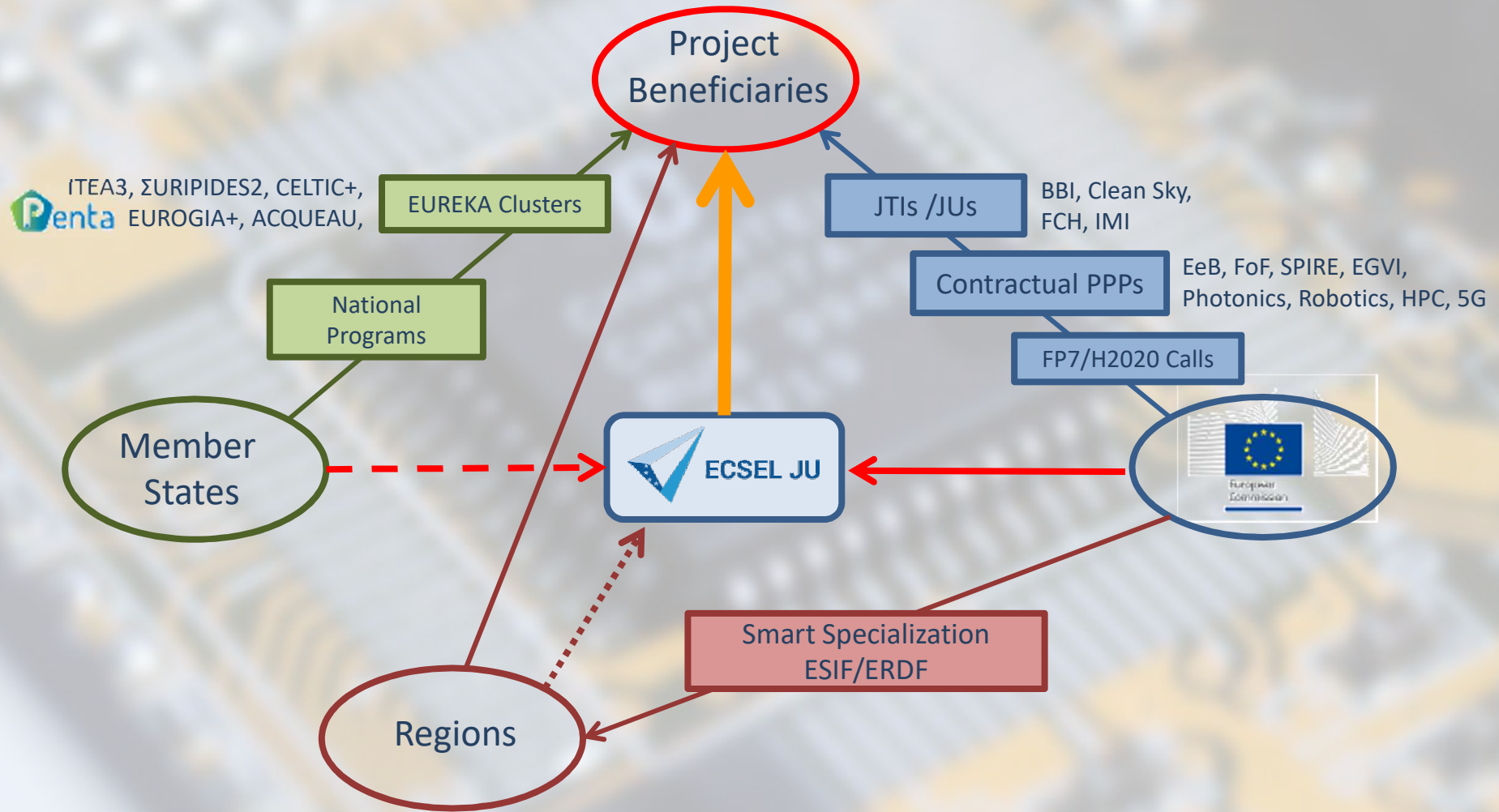
PPP-model with 3-way funding:

- The European Union (1.17B€, via EC/H2020)
- The ECSEL Participating States (>1.17B€)
- The Private Members (> ~ 2.5B€)
- Build upon ARTEMIS/ENIAC JU experience and achievements

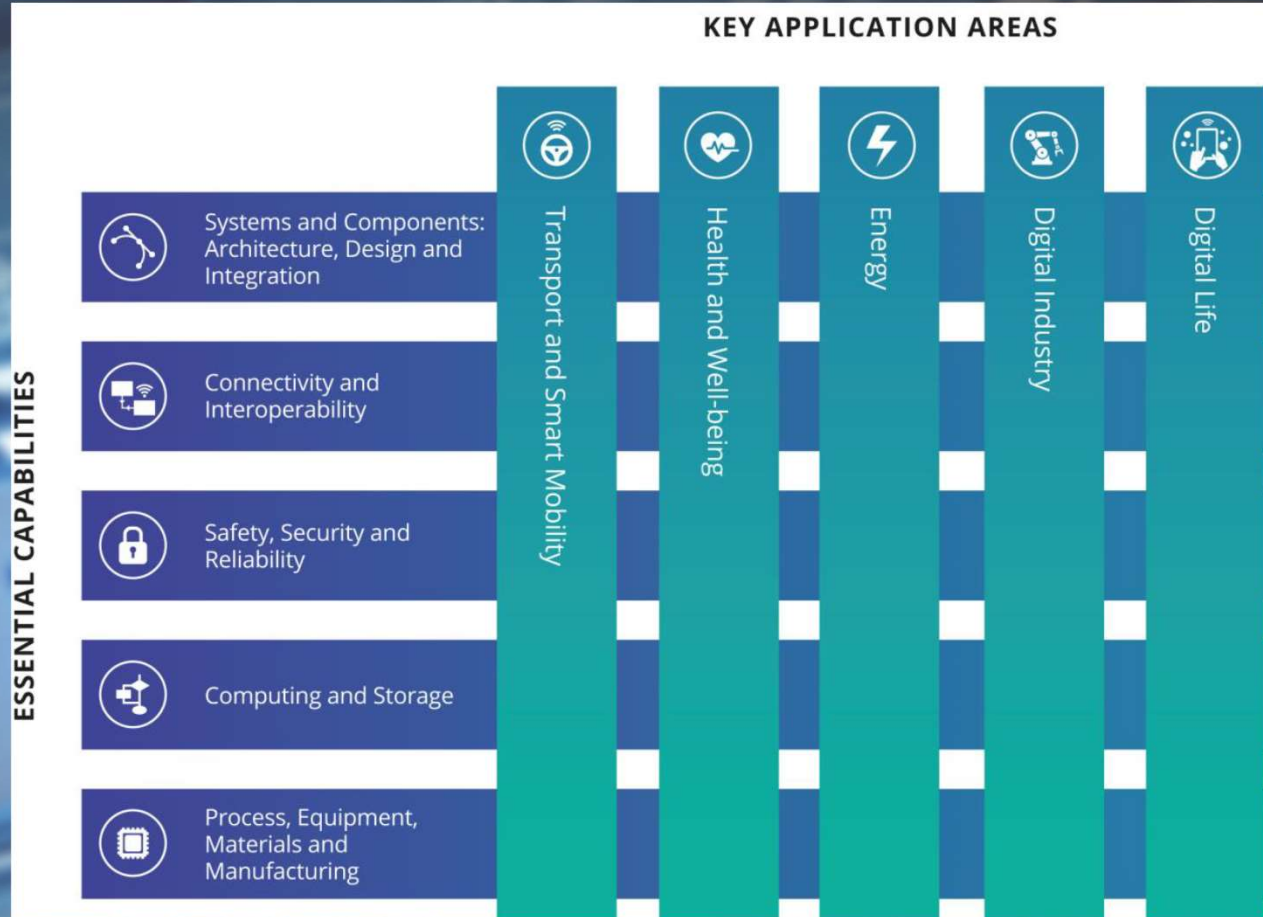# ECSEL JU funding: EU and National funding together

- **Large Enterprises**
- **SMEs**
- **Research and Tech. Organisations**

Project Beneficiaries

Member States

ECSEL JU

European Commission

ECSEL JU funding: complementing other instruments

Project Beneficiaries

ΙΤΕΑ3, ΣURIPIDES2, CELTIC+,
EUROGIA+, ACQUEAU,
Penta

EUREKA Clusters

National Programs

Member States

Regions

ECSEL JU

JTIs /JUs — BBI, Clean Sky, FCH, IMI

Contractual PPPs — EeB, FoF, SPIRE, EGVI, Photonics, Robotics, HPC, 5G

FP7/H2020 Calls

European Commission

Smart Specialization ESIF/ERDF

The ECSEL JU strategy

Overview ECSEL JU Calls 2017

SUCCESS RATE : 32%

	Project selected	Total cost M€	EU Funding requested M€	National Funding requested M€	ESIF M€
RIA 2017	6	216	63	57	4
IA 2017	6	469	110	105	3
Total 2017	12	685	173	162	7

ECSEL JU "Lighthouse Initiatives"

MOBILITY.E
INDUSTRY4.E

- Build on <u>well identified market-pull</u> related to societal needs, with a <u>strong pan-European dimension</u>

- Create <u>ecosystems</u> along the relevant value and supply chains, where appropriate:
  - Working towards clustering of projects
  - Having a <u>strategic IP management policy</u>
  - Establishing a <u>standardization strategy</u>
  - Addressing the relevant non-technical aspects (legislative, regulatory, social, …)

E C S E L
Calls in 2018

Calls Info

- Call related questions/"ECSEL HelpDesk":

  calls@ecsel.europa.eu

- Calls coordinator: Simona Rucareanu
- Backup calls coordinator: Bahija Ziane

Calls Pages

- Calls Page (*general information/updates* including the links for the proposals submission in the participant portal): www.ecsel.eu

- Participant Portal (*detailed information & submission*):
  - available with the calls will be open under: http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/index.html

ECSEL Actions 2018

The estimated EU expenditure **174,93 M€**

- **ECSEL-2018-1-IA:** Innovation Actions

- **ECSEL-2018-2-RIA**: Research and Innovation Actions

- **ECSEL-2018-3-CSA** for **Industry4.E** Lighthouse Initiative

- **ECSEL-2018-4-CSA** for **Mobility.E** Lighthouse Initiative

- **Public Procurement (2 studies)**

Calls 2018

- **OPEN CALLS**

  – Innovation Action (IA): **ECSEL-2018-1-IA**

  – Research Innovation Action (RIA) (two topics):

    - **ECSEL-2018-2-RIA**
    - **ECSEL-2018-2-RIA-SPECIAL TOPIC**

Calls 2018

- **ECSEL-2018-2-RIA-** **SPECIAL TOPIC**

  - Open **ONLY TO** the **Major Challenge***

    Chapter **9. Digital Industry**

    9.3.2. Major challenge 2 *Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters*

    * - Major Challenges are described in MASP 2018 (GB 2017.94)

Calls 2018

- **ECSEL-2018-1-IA and ECSEL-2018-2-RIA**

Open to **ALL** the **Major Challenges EXCEPT***

Chapter **9. Digital Industry**

9.3.2. Major challenge 2 *Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters*

* - Major Challenges are described in MASP 2018 (GB 2017.94)

Calls 2018

- **BOTH CALLS** will be in **TWO** phases:

  - PO (Project Outline) *Compulsory and Gating*
  - FPP (Full Project Proposal)

Timeline Calls 2018

| jan | feb | mar | apr | may | jun | jul | aug | sep | oct | nov | dec |

EVALUATIONS

EVALUATIONS

Calls open February 21

ECSEL Call Forum 6-7 March, Poland

PO Deadline April 26

FPP Deadline September 20

Funding decision

http://www.ecsel.eu/web/calls/
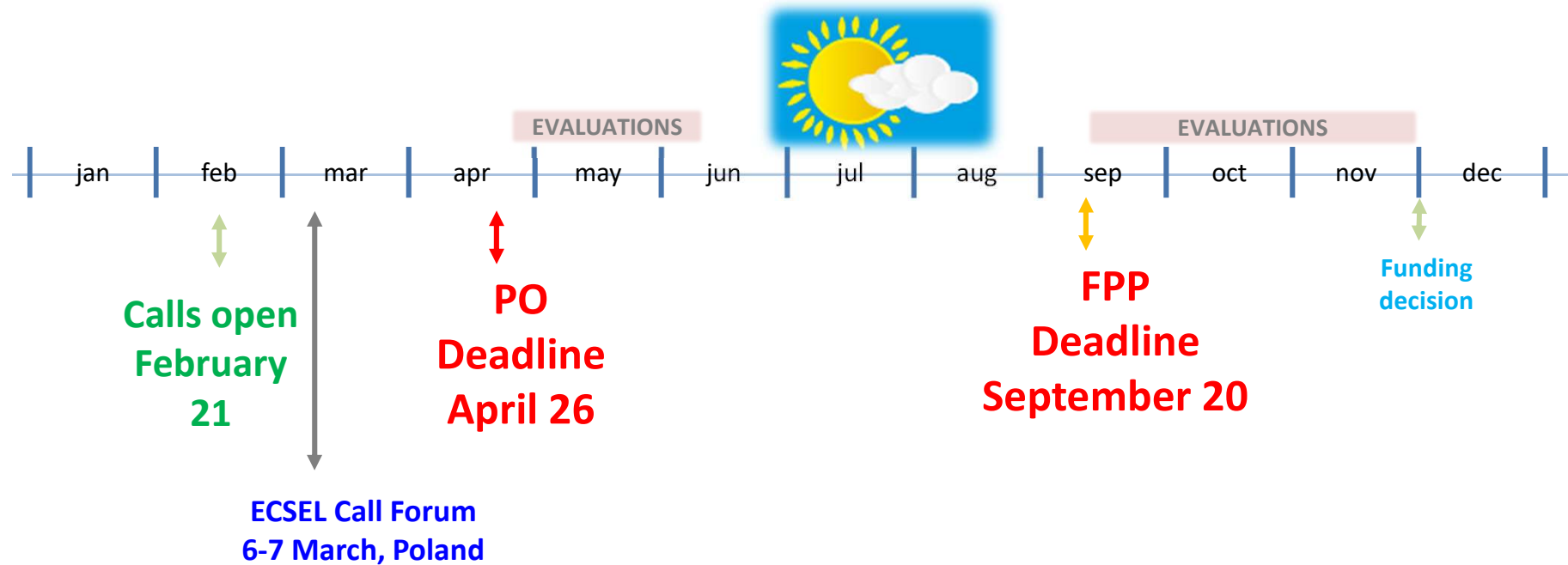
Calls 2018 Important Dates

Date	Activity
21 February	Calls launch
26 April @ 17:00:00*	**Deadline** Project Outline (PO)
June	Feedback on PO
20 September @17:00:00*	**Deadline** Full Project Proposal (FPP)
November	Selection of projects for funding
December - April	Grant Preparation phase

* - Brussels time (CET Time)

EU Budget (indicative)

	TRL	EU
ECSEL-2018-1-IA	5-8	110.00M€
ECSEL-2018-2-RIA	3-4	53.33M€
ECSEL-2018-2-RIA-special topic	3-4	10.00M€

National Budgets (as per 28 Feb 2018)

ECSEL Participating State	2018-1 IA	2018-2 RIA	2018-2 RIA: Special topic	ESIF	All Calls	Total
Austria					7	7
Belgium-Flanders					12	12
Belgium-Brussels					1.5	1.5
Bulgaria						
Czech Republic	1.5	1	0.5			3
Denmark						
Finland	2	2	1			5
France (4)						
Germany					30	30
Germany-Saxony (only for Saxonian partners)	9	4				13
Greece						
Hungary					1	1
Ireland					2	2
Israel					6	6
Italy (3)	15	2		5		22
Latvia					0.42	0.42
Malta						
Netherlands	10	10				20
Norway					2.2	2.2
Poland					1.5	1.5
Portugal						
Romania (5)				2.6		2.6
Slovak Republic					0.8	0.8
Spain					6	6
Sweden					5.5	5.5
Switzerland						
United Kingdom						
Turkey					3	3
Total	37.5	19	1.5	7.6	78.92	144.52

(3) 15 M€ from MISE, 5 M€ from ESI. Both to be confirmed

(4) A budget is available; the amount will be communicated later

(5) For all Calls
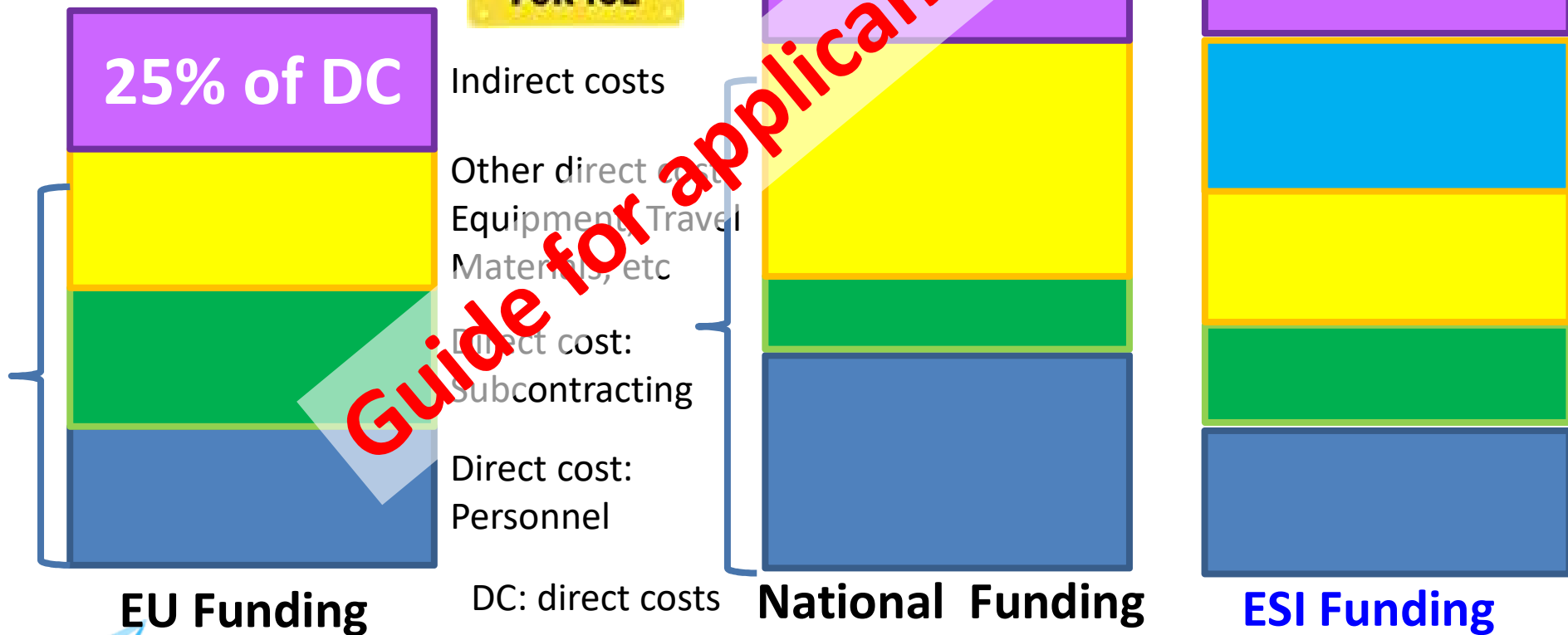
Two/Three Funding Sources
Two/Three Total Eligible Costs!!

Costs according to H2020 rules

CAUTION

WATCH OUT FOR ICE

Costs according to national rules

Costs according to ESIF rules

25% of DC

Indirect costs

Other direct cost
Equipment Travel
Materials, etc

Direct cost:
Subcontracting

Direct cost:
Personnel

x% of DC

Guide for applicants

DC: direct costs

EU Funding

National Funding

ESI Funding

22

European Structural and Investment (ESI) Funding

- If activities with costs are funded through ESI funds, then those activities **cannot obtain ECSEL-EU funding**.

- Various possibilities to include activities funded by ESI funds described in the Guide for Applicants

- Main issue: **no overlap**

- Risk mitigation: what happens if the activity does not get the ESI funding?

CAPPING

ECSEL-2018-1-IA

- The EU contribution <u>per project</u> is capped at **30M€**

- the maximum EU funding <u>per partner in</u> a project is limited to **50%** of the total EU funding for the project

CAPPING

ECSEL-2018-2-RIA

- The EU contribution <u>per project</u> is capped at **15M€**

- the maximum EU funding <u>per partner in</u> a project is limited to **40%** of the total EU funding for the project

ECSEL-2018-2-RIA-SPECIAL TOPIC

- the maximum EU funding <u>per partner</u> is limited to **10%** of the total EU funding for the project

EU Budget allocated for this topic: 10M€

ONLY ONE PROPOSAL WILL BE SELECTED

EU Reimbursement rates

The **MAX** funding percentages of the EU contribution are **different than under H2020**.

Type	RIA	IA
For profit (non SME)	25%	20%
SME	30%	25%
University/Other	35%	35%

EU Contribution as % of the eligible cost according to H2020 (<u>beneficiaries may ask for a lower contribution</u>)

The proposals are encourages to reach a 1:1 ration EU/national funding (project level)

National contributions: vary per state, see Chapter 9 of ECSEL JU Annual Work Plan 2018! *Contact the national authorities to inquire about the specificities!*

Thresholds

ECSEL-2018-1-IA

- PO phase – score resolution 0.5

Criteria	Range	Threshold	
Excellence	0-5	2.5	
Impact	0-5	2.5	
Quality and efficiency of the implementation	0-5	2.5	
Total		10	

- FPP phase – score resolution 0.1

Criteria	Range	Weight**	Threshold*	
Excellence	0-5	1.0	3.0	
Impact	0-5	**1.5**	3.0	
Quality and efficiency of the implementation	0-5	**0.7**	3.0	
Total			10	

* - threshold applies to unweighted score
** - the weight is only used to establish the ranking of the proposals

Thresholds

ECSEL-2018-2-RIA

- PO phase – score resolution 0.5

Criteria	Range	Threshold	
Excellence	0-5	2.5	
Impact	0-5	2.5	
Quality and efficiency of the implementation	0-5	2.5	
Total		10	

- FPP phase – score resolution 0.1

Criteria	Range	Weight**	Threshold*	
Excellence	0-5	1.0	3.0	
Impact	0-5	**1.0**	3.0	
Quality and efficiency of the implementation	0-5	**0.7**	3.0	
Total			10	

* - threshold applies to unweighted score

** - the weight is only used to establish the ranking of the proposals

Thresholds

ECSEL-2018-2-RIA-SPECIAL TOPIC

- PO phase – score resolution 0.5

Criteria	Range	Threshold	
Excellence	0-5	2.5	
Impact	0-5	2.5	
Quality and efficiency of the implementation	0-5	2.5	
Total		10	

- FPP phase – score resolution 0.1

Criteria	Range	Weight**	Threshold*	
Excellence	0-5	1.3	3.0	
Impact	0-5	1.0	3.0	
Quality and efficiency of the implementation	0-5	0.7	3.0	
Total			10	

* - threshold applies to unweighted score
** - the weight is only used to establish the ranking of the proposals

Mandatory Page Limits

- Use the default template and fonts!
  - Chapter **EXCELLENCE - 60 pages**
  - Chapter **IMPACT - 60 pages**
  - Chapter **IMPLEMENTATION - 60 pages**

- Sections on participants description, ethics, public summary are excluded from the page limit

- The page limits and sections subject to limits will be clearly indicated in the proposal templates.

- Expert evaluators will be instructed to disregard the excess pages.

The Project Outline (PO)

- **Blocking** if under threshold

- Participants, budgets: **as complete and precise as possible BUT** changes are possible afterwards, though limited!

- Part B of the Proposal to address
  - Section 1. **Excellence (complete)**
  - Section 2. **Impact (partial)**,
  - Section 3. **Implementation (partial)**

  Fill in as indicated in the template!

The Project Outline (PO)

- Fill in the other Sections *if available info*:
    - Section 4. Members of the consortium;
    - Section 5. Ethics and Security;

- Section 6. **Publishable Summary** (**mandatory**!!!)

Successful proposals (above threshold) invited to FPP!!!

Full Project Proposal (FPP)

- Part B of the Proposal to be fully addressed

  – Section 1. **Excellence** (**complete**)

  – Section 2. **Impact** (**complete**),

  – Section 3. **Implementation** (**complete**)

- Section 6. **Publishable Summary** (**mandatory**!!!)

DO NOT FORGET: *a draft plan for the exploitation and dissemination is an* **admissibility condition** *for FPP!!!*

Submitting a proposal

1. Check out the ECSEL website and the H2020 participant portal

2. Documents

3. Follow the instructions in the Templates

Documents

Annexes 5(IA), 6(RIA)

Chapter 9

- **Work Plan**: schedule, budget, topics, evaluation procedure including criteria, national rules, **TRLs**

- **Guide for applicants**: further details on Part A, B and C; regional funding; further explanation on evaluation criteria; ESIF; Lighthouses;

- **MASP 2018 :** Look for topic/major challenges descriptions

- **Part B Template: A MUST!**

Proposal submission

Proposals can **ONLY** be submitted through the *Participant Portal using the specific link* (one for IA, one for RIA and one for RIA-special topic)

Online manual for H2020: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm

IT HelpDesk: http://ec.europa.eu/research/participants/api/contact/index.html

Proposal submission

- Proposals must be complete:
  - **Part A**: administrative information including financial information (costs, funding) – filled in "online" each beneficiary can fill in its own data

  - **Part B**: technical description – upload as pdf file (**mandatory** to use the provided Template!)

  - **Part(s) C** (specific for ECSEL)**:** country specific information; upload a password- protected zip file for each country by using the dedicated placeholder; email the ECSEL office to get the password (calls@ecsel.europa.eu)

  - **EoI for Lighhouse Initiative (LI):** if a proposal wants to either join an existing LI or propose a new LI (optional)

Adhering to an existing LI

- Does not affect the evaluation of your proposal!

- Your project proposal MUST NOT refer to the Lighthouse Initiative

- Introduce the EoI to adhere to a LI by uploading the pdf document in the dedicated placeholder in participant portal (similar to uploading the Part C)

Proposing a new LI

- Does not affect the evaluation of your proposal!

- Your project proposal MUST NOT refer to the Lighthouse Initiative

- Introduce the EoI to adhere to a LI by uploading the pdf document in the dedicated placeholder in participant portal (similar to uploading the Part C)

Proposal submission

✓ *Don't wait the last minute to submit the proposal! Part A requires a rather significant amount of data from each participant – start early! Your computer might needs some adjustments (e.g. your firewall is blocking to fill in the Part A)*

✓ *Each participant needs to have a PIC number in order to be added to the consortium (only the coordinator can add participants to the consortium and only the coordinator can submit the proposal!)*

✓ *Make sure you use the correct link before starting to fill in the data: for example for a RIA special topic use the RIA special topic link as proposals cannot be moved from one call to another; if you used the wrong link you have to start all over again in the correct link!*

✓ *For a given proposal can be several submission sessions (the new version will overwrite the old version and only the newest version will be kept in the system)!!*

✓ *Caution when uploading documents (Part B/ Part(s) C/EoI for LI) make sure the intended version was uploaded and not one stuck in your browser "cache". Check after uploading – e.g. close the browser/login again and download the document!*

Proposal submission

✓ *Participants are recommended to check/update their legal data and fill in the data as appropriate as possible.*

   ❑ *If selected for funding the SMEs will be requested to do a self-assessment. If the results of self-assessment is that the respective participant is not an SME though it declared itself a SME when the proposal was submitted the funding will be adjusted accordingly (reduced to correspond to 'for profit non SME)*

   ❑ *If a participant is a non-for profit organization but at the proposal submission (FPP) filled in the funding rate of a for profit organization, during the GAP phase it will be very difficult to adjust (increase) the funding rate as the EU budget was already allocated.*

   ❑ *British participants are kindly advised to monitor the Participant Portal for the most up to date information. ECSEL JU will apply the same rules as in H2020*
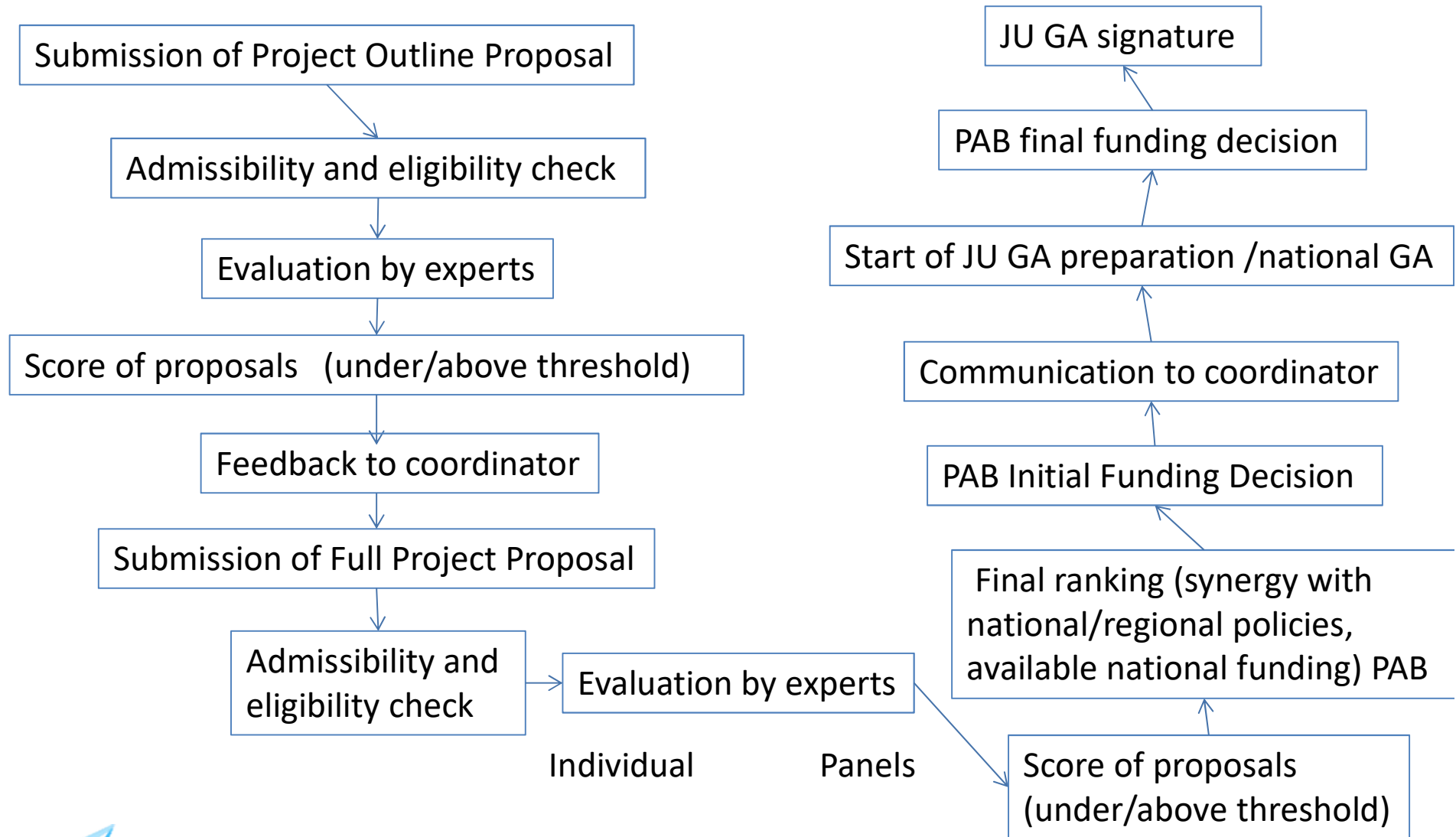
Proposal submission

✓ *Coordinators of proposals that request more than 500,000.00 € EU funding will have to undergo a financial viability check (except for public bodies, higher or secondary education establishments, international organization or body whose participation is guaranteed by the government of an EU country or associated country)*

✓ *Therefore the coordinators are advised to use the self-check tool available in the Participant Portal and in case of weak or insufficient financial capacity to already prepare an action plan*
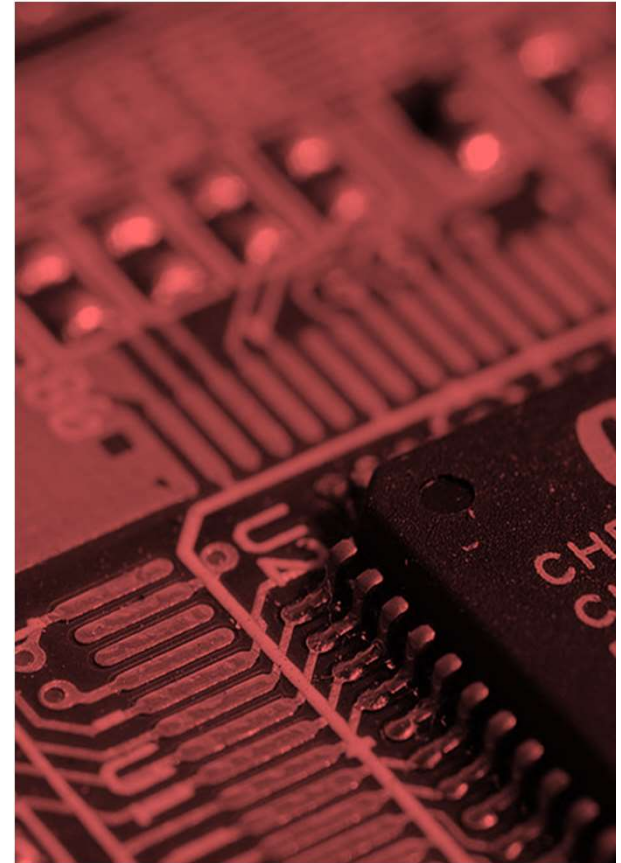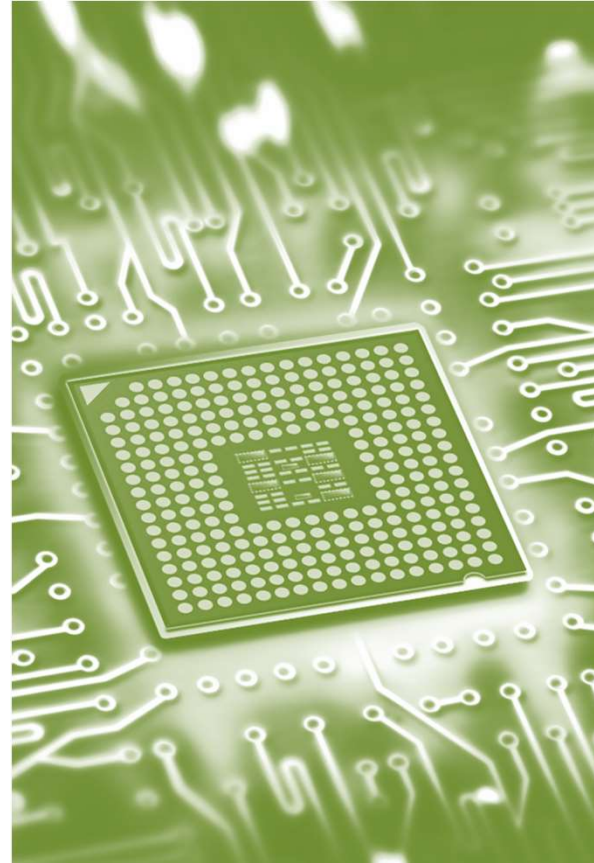
From proposal submission to grant signature

Submission of Project Outline Proposal

Admissibility and eligibility check

Evaluation by experts

Score of proposals   (under/above threshold)

Feedback to coordinator

Submission of Full Project Proposal

Admissibility and eligibility check

Individual

Panels

Evaluation by experts

Score of proposals (under/above threshold)

Final ranking (synergy with national/regional policies, available national funding) PAB

PAB Initial Funding Decision

Communication to coordinator

Start of JU GA preparation /national GA

PAB final funding decision

JU GA signature

Grant Agreement

- ## V2.0 for projects of calls 2014 to 2016

- ## V3.0 for projects of calls 2017, and via amendment also for calls 2014 to 2016
  - some simplifications for cost eligibility

- ## V4.0 july 2017
  - possibility for internal cost based on unit cost according to accounting rules of beneficiary
  - payment to researchers in frame of H2020 cannot be lower than national contracts (EU-13)

- ## V5.0 dec 2017 – for projects of calls 2017 and 2018
  - Article 29.3 - "Open access to research data"
  - Articles 34 - "Ethics and research integrity"
  - Minor drafting changes and correction of clerical mistakes

Q&A

For updates check: https://www.ecsel.eu/calls/calls-2018

E-mail: calls@ecsel.europa.eu