



**SELSUSTAINED CROSS-BORDER CUSTOMIZED
CYBERPHYSICAL SYSTEM EXPERIMENTS
FOR CAPACITY BUILDING AMONG EUROPEAN STAKEHOLDERS**

SMART4ALL 2nd KTE Open Call

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Smart Anything Everywhere Area 2

www.smart4all-project.eu
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What are SMART4ALL goals?

To build **cross-border experiments** that transfer knowledge and technology between academia and industry in **Customised Low-Energy Computing (CLEC)** for **Cyber-Physical Systems (CPS)** and the **Internet of Things (IoT)**

To **accelerate digital transformation** and **increase digital skills** in underrepresented geographical areas –especially **SEE**– in the 4 SMART4ALL verticals

SMART4ALL Verticals

- **SMART4ALL** is focused on **Customised Low-Energy Computing (CLEC)** for **Cyber-Physical Systems (CPS)** and the **Internet of Things (IoT)** in the following domains:

SMART4ALL VERTICALS					
		DIGITIZED TRANSPORT	DIGITIZED ENVIRONMENT	DIGITIZED AGRICULTURE	DIGITIZED ANYTHING
SMARTALL COMPETENCE FIELDS		<ul style="list-style-type: none"> • Green transport • Smart mobility • Shared mobility • Robotics • New platforms for efficient supply-demand matchmaking • Automotive electronics • Autonomous vehicles • Connected vehicles • Streamlining transport using big data • Aeronautics and space applications • Transport and Logistics • City Transport Mapping 	<ul style="list-style-type: none"> • Smart building • Water pollution monitoring • Smart grids • Environment monitoring • Bio-diversity • Smart industry • Data processing & data visualization 	<ul style="list-style-type: none"> • Smart farming • AI inspired agriculture • Information based site specific applications • Demand driven, sustainable agriculture • Mobile plant, soil and environment sensors • Sensor networks – EU wide – cross-border • Field robotics and automation systems • UAV based agriculture and plant monitoring • Selective plant protection • Closed nutrient cycles • Agricultural decision support systems • Zero-energy food systems • Circular economy • Water, Energy and Food (WEF) efficiency • Revalorization of agricultural waste 	<ul style="list-style-type: none"> • Human-machine Interaction • Digital Education • Industrial Automation • Machine Learning • Market Intelligence • Medical and Health Applications • Active & Healthy Ageing • Support for disabled persons • Cybersecurity • Data Mining and Big Data • Personal security • Additive Manufacturing (3D printing) • Augmented and Virtual Reality • Audio/Video Processing • Location-based Technologies • Web and Mobile Applications • Wireless Sensor Networks • Disaster management • Digital heritage • Telemedicine • Rehabilitation, wellness, fitness • E-commerce

What are the current/upcoming Open Calls?

KTE - Knowledge Transfer Experiments

One **Sending** Academic/Industrial partner sends a member of its staff to one **Host** Academic/Industrial partner for an internship project to transfer knowledge.

- Duration: **3 months**

OPEN until 15 June

FTTE - Focused Technology Transfer Experiments

One Academic/Industrial **Technology Provider** transfers to an Industrial **Technology Receiver** a specific Hardware or Software technology in order to enable an improvement in product or processes.

- Duration: **9 months**

OPENS on 15 June

Open Calls - Value Proposition

- **9 open calls:** (3 already completed)
 - (i) supporting **67 cross-border pathfinder application experiments (PAE)**.
 - (ii) 1 KTE, 1 FTTE, 1 CTTE in the years 2020, 2021 and 2022.
- **EU Funding** up to **EUR 80,000** equity-free per PAE.
- **Support and coaching** from **experts** in technology, business development, public and private funding, and ethics.
- **Marketplace-as-a-Service**, AI based services and tools:
 - (i) practical **technical tools/services** to accelerate design, development, prototyping and manufacturing phases.
 - (ii) brokerage, coaching and guidance to **access funds** for market growth and development.

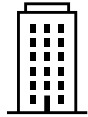
Who can apply?

ACADEMIC

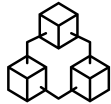


Universities and other **Academic Institutions**

INDUSTRIAL



SME and Slightly Bigger Companies (< 500 employees & < EUR 100M turnover)



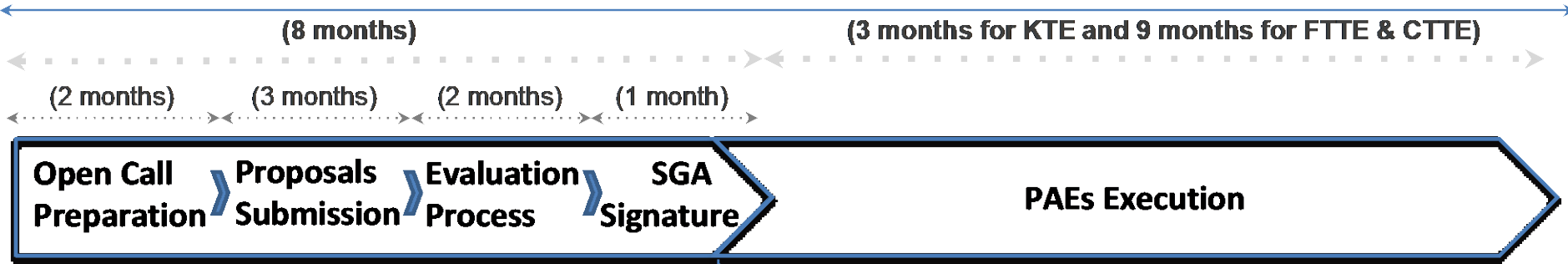
System Integrators and **Technology Providers** specialised in technology transfer or system integration to End-users (provided they can be categorised in one of the two previous types of beneficiaries)

Must be a **consortium of 2 entities** and led by the **Industrial partner**

Must be **cross-border** from 2 different **eligible countries**

Open Calls Program

Experiments timeline



Open Call Preparation » Proposals Submission » Evaluation Process » SGA Signature

PAEs Execution

Legend: **67** Nº of PAEs supported

67

KTE FTTE CTTE

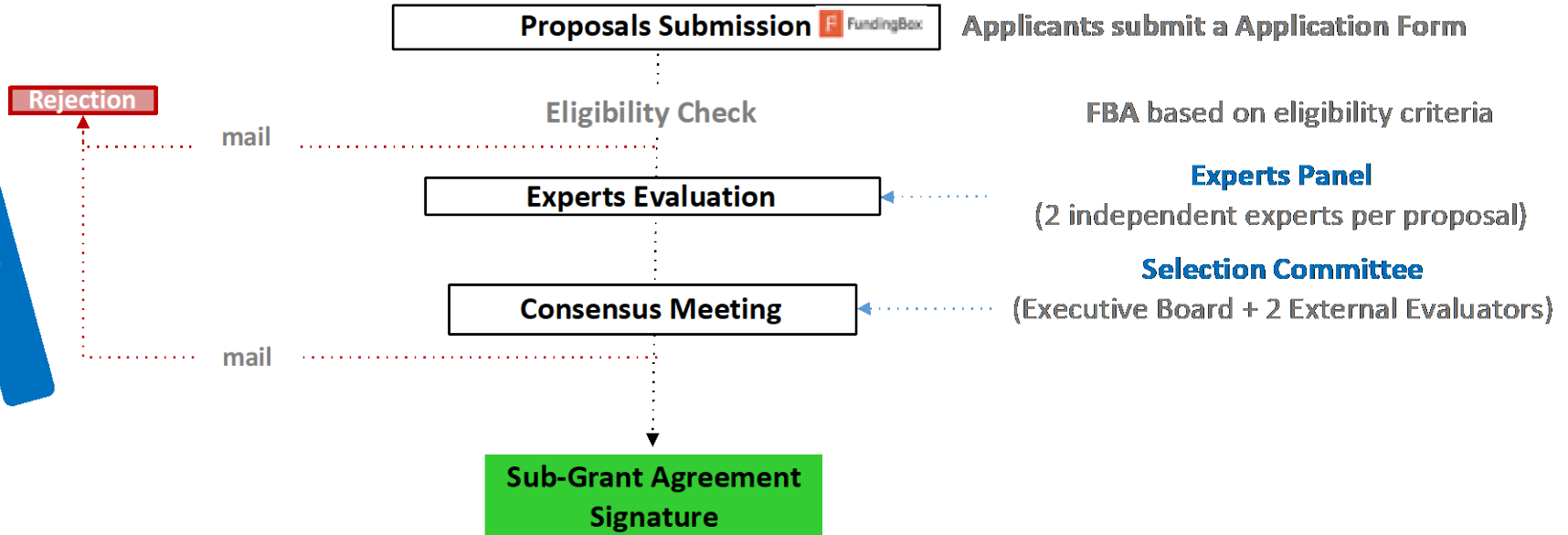
43 **12** **12**

Nº of PAEs supported per batch:

15 **4** **4**

Selection Process Overview

Selection



Evaluation Criteria - KTE

Criteria	Description
Excellence	Quality and credibility of innovation project: Level of novelty and appropriate consideration of the vertical applications of the proposed KTE.
	Quality and appropriateness of the knowledge sharing among the participating organisations in light of the research and innovation objectives.
	Quality of the proposed interaction between the participating organisations.
Impact	Enhancement of the potential and future career of the staff member being sent to the Host organisation.
	Development of new and lasting research collaborations between participating organisations.
	Benefits for the participating organisations , in terms of technical and/or business/market expectations.
	Market potential of the proposed KTE in one of the SMART4ALL verticals and competition analysis .
	Impact on sensitive social groups , improving or supporting the quality of their lives.
Implementation	Coherence and effectiveness of the Work Plan , including appropriateness of tasks and resources allocation. Workplan to be clearly described and fully aligned with the objectives; time plan realistic and achievable.
	Appropriateness of resources allocation: compliance with i) the applicable national law and taxes, labour and social security and ii) the principle of a sound financial management regarding economy and efficiency.
	Competences, experience, complementarity and commitment of the participating organisations.

Prioritised Sub-Criteria (SEE / Covid-19)

- Each criterion will be scored from 0 to 5. The threshold for individual criteria will be 3. The overall threshold, applied to the weighted sum of the three individual scores, will be 10. (Impact in KTE -> 1.5 weight)
- Applicants including at least 1 member of the **SEE region** in their consortium will be given **1 extra point** to the overall score.

List of SEE countries

Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Hungary, Kosovo, Moldova, Montenegro, North Macedonia, Romania, Slovakia, Slovenia and Serbia

- Proposals addressing current and future problems stemming from the **COVID-19 crisis** will be given **1 extra point** to the overall score.

Financial Support

Financial Support	KTE
Per PAE	up to EUR 8,000 (EUR 6,000 option when travel is not possible)
Per partner	N/A

Note: Financial Support will be paid as a **lump sum** to the **lead partner** who will distribute the funds

Payment Arrangements - KTE

Deliverable	Submission date	Lump sum Instalments
Inception Report	SGA + 15 days	50%
Final Report	End of M03	50%

Payments are made against **deliverables**
approved by the **MENTORING COMMITTEE**

Open Calls Schedule - KTE

Description	Indicative Dates
Second KTE Open Call launch	15 March 2021 at 00:00 CET
Second KTE Open Call deadline	15 June 2021 at 18:00 CEST
Second KTE Open Call evaluation and selection	June-July 2021
Consensus Meeting	August 2021
Communication of Results	August 2021
Start of Experiment	Start of October 2021
End of Experiment	End of December 2021

Application Submission

How to apply?

<https://smart4all.fundingbox.com>

Find our **Guides & Documents** here: <https://smart4all.fundingbox.com>

If you cannot find the answer you need in the **FAQ**, you can submit your question(s) through [Q&A Space](#) at SMART4ALL online community **Helpdesk**:
<https://spaces.fundingbox.com/spaces/smart4all-helpdesk>

Join us on next Webinar on 13th of May on 2nd KTE

Questions from you..