SMART4ALL 2nd FTTE Open Call

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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				
SMARTALL COMPETENCE FIELDS	**DIGITIZED TRANSPORT**	**DIGITIZED ENVIRONMENT**	**DIGITIZED AGRICULTURE**	**DIGITIZED ANYTHING**
	• 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	• Smart building • Water pollution monitoring • Smart grids • Environment monitoring • Bio-diversity • Smart industry • Data processing & data visualization	• 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	• 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

Open Calls - Value Proposition

- **9 open calls**

  (i) supporting **67 cross-border pathfinder application experiments (PAE)**.

  (ii) 1 KTE, 1 FTTE, 1 CTTE in the years 2020, 2021 and 2022. (*4 have been completed and 5 remaining 1 KTE, 2 FTTE, 2 CTTE*).

- **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.

What are the current/upcoming Open Calls?

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**   **Currently OPEN until 15 September**

CTTE – Cross-Domain Technology Transfer Experiments

One Academic/Industrial Technology Provider transfers a novel technology to one Industrial Technology Receiving partner as an early-adopter and then one Industrial productization partner extends the value chain.

Duration: 9 months   Will open on 15 October 2021 until 15 January 2022

Who can apply?

ACADEMIC **Universities** and other **Academic Institutions**

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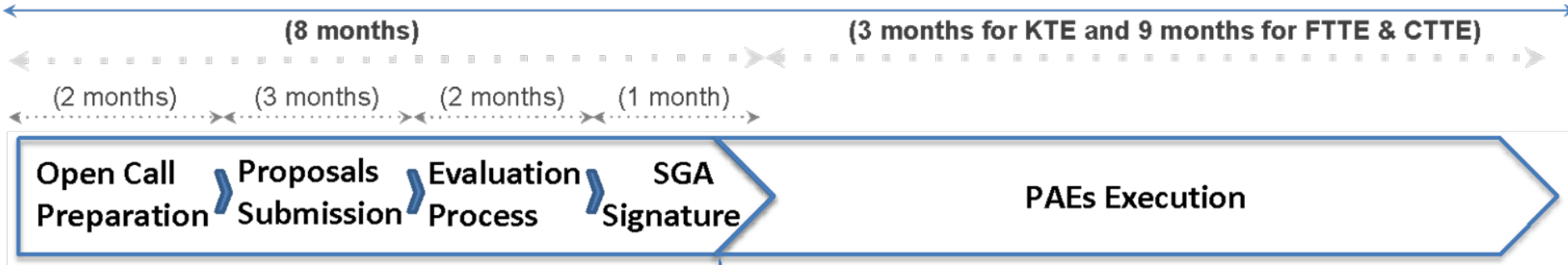< EUR 100M turnover)

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

(8 months)   (3 months for KTE and 9 months for FTTE & CTTE)

(2 months)   (3 months)   (2 months)   (1 month)

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
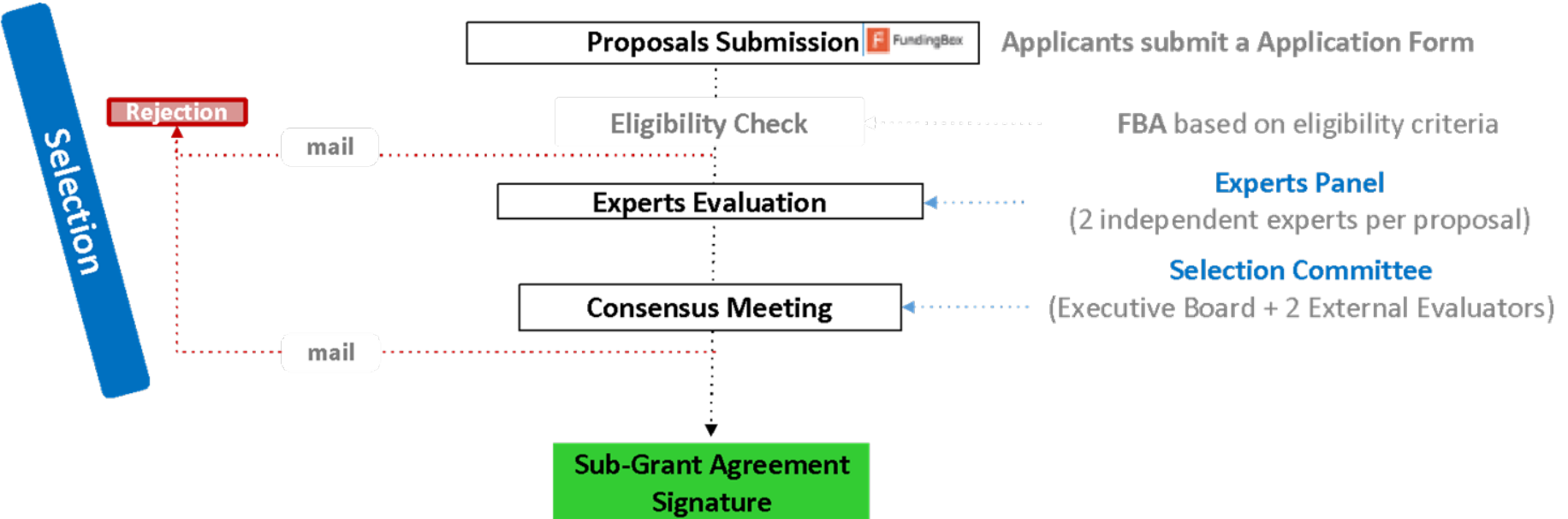
Evaluation Criteria - FTTE

Criteria	Description
Excellence	**Ambition:** to what extent the proposed FTTE is beyond the **State-of-the-Art** and what is the **innovative approach** behind it (e.g. ground-breaking objectives, novel concepts and approaches, new products, etc.)
	Innovation: level of innovation within their market and degree of **differentiation** that the FTTE will bring.
	Soundness of the approach: objectives of the proposed FTTE to be clearly defined, relevant and aligned with the SMART4ALL project objectives, verticals and competence fields. Elevation of TRL clearly justified.
Impact	**Benefits of the collaboration**, in terms of technical and/or business/market expectations, and to what extent this particular collaboration will lead to a successful experiment and high economic impact.
	Market opportunity: demonstrate whether the new/improved product has market potential, e.g. because it solves a problem for a specific target customer.
	Competition analysis for the FTTE product/service and if the proposal is disruptive and breaks the market.
	Commercial Strategy and Scalability: How the FTTE is scalable and able to be commercialised to solve a structural problem in a specific sector/process/etc., using convincing business model and projections.
	Impact on the lives of Sensitive Social Groups: . I.e. Improving or supporting the lives of people who belong in sensitive social groups.
Implementation	**Work plan**: clearly described and fully aligned with the objectives, including Work packages, tasks and responsible partners. The time plan should be realistic and achievable, coherent and effective.
	Team: Management and leadership qualities; balanced and cross-functional.
	Quality and effectiveness of the resources assigned in order to get the objectives/deliverables proposed.

Prioritised Sub-Criteria (SEE Countries)

- 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.

- 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 Prioritised SEE countries
Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, Kosovo, Moldova, Montenegro, North Macedonia, Romania, Slovakia, Slovenia and Serbia

Financial Support

| Financial Support	FTTE
Per PAE	up to EUR 80,000
Per partner	up to EUR 60,000

Note: Financial Support will be paid as a **lump sum** to the **lead partner** who will distribute the funds. The distribution of funds between partners should be reasonable

Note: Any partner can receive a maximum of EUR 60,000 if they haven't received money from any other SAE/L4MS. The combined amount cannot exceed EUR 100,000

Payment Arrangements - FTTE

Deliverable	Submission date	Lump sum Instalments
Initial Plan	SGA Signature + 15 days	30%
Intermediate Report	End of M05	50%
Final Report	End of M09	20%

Interim & Final Review Milestones
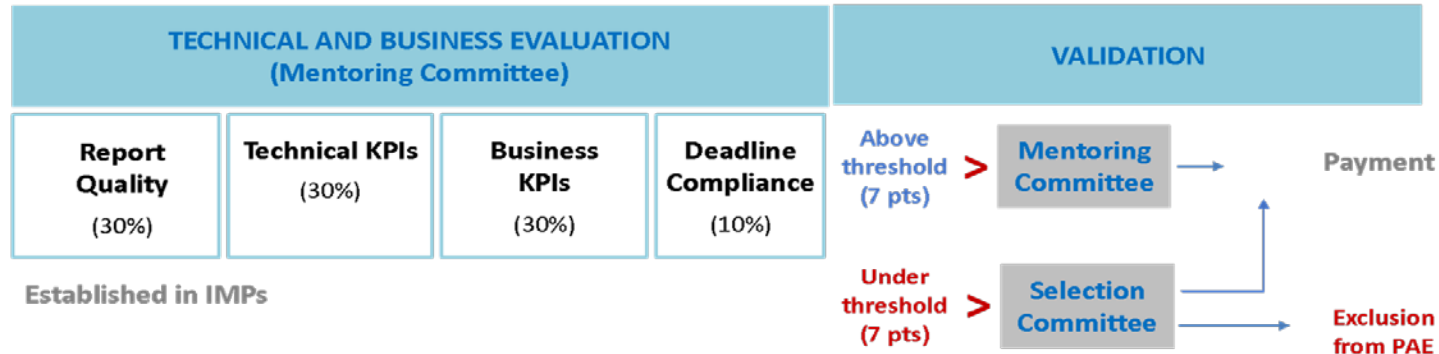
Open Calls Schedule

Description	FTTE
Open Call Launch	15 June 2021 at 00:00 CEST
Open Call Deadline	15 September 2021 at 17:00 CEST
Open Call Evaluation and Selection	September – October 2021
Consensus Meeting	October 2021
Communication of Results	October 2021
Start of the Experiment	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 or email: helpdesk@smart4all-project.eu

Q&A Session

Questions from you..