



# Pulsate

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PHOTONICS<sup>21</sup>

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I4MS

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## Webinaire d'informations Tout ce qu'il faut savoir pour répondre à l'appel à projet PULSATE

02.03.2021

Céline DELOFFRE - Project/Program Manager, CEA List

# JOIN US TODAY TO DISCOVER...

- Who are we looking for?
- What are the benefits of PULSATE Support Programme
- How we will select the best experiments?
- How to write winning proposal

+ ask your questions 😊



## Fonctionnement de la Plateforme Act&Match pour le webinaire



The screenshot shows the Act&Match webinar interface. At the top, there's a header with the 'list' logo, the title 'Webinaire Appel à projets PULSATE CEA', and navigation options: 'FRANÇAIS', 'PLEIN ÉCRAN', and 'TC TABLEAU D'ÉVÉNEMENT'. The main content area is split: the left side has a blue background with a white geometric pattern and the text 'BIENVENUE DANS LA SALLE VIRTUELLE'; the right side shows a video feed with two participants, Céline DELOFFRE (CD) and Coralie CHAUMULOT (CC), and a chat window. The chat window has a 'CAPSULE AV' button and a 'CHAT' button. Below the chat window, there's a text input field with the placeholder 'Tapez votre question' and a 'Poser une question' button. A blue arrow points from the text 'Pour poser vos questions' to the 'Poser une question' button.

list Webinaire Appel à projets PULSATE CEA FRANÇAIS PLEIN ÉCRAN TC TABLEAU D'ÉVÉNEMENT

BIENVENUE DANS LA SALLE VIRTUELLE

ACT & MATCH

CD Céline DELOFFRE CC Coralie CHAUMULOT

CAPSULE AV CHAT

Ceci est la capsule de ch  
Tapez votre message dans la capsule pour  
démarrer la com

Poser une question

Tapez votre question

Pour poser vos questions

La session est enregistrée



## Céline DELOFFRE

Responsable projets/programmes - Fabrication additive, CEA List

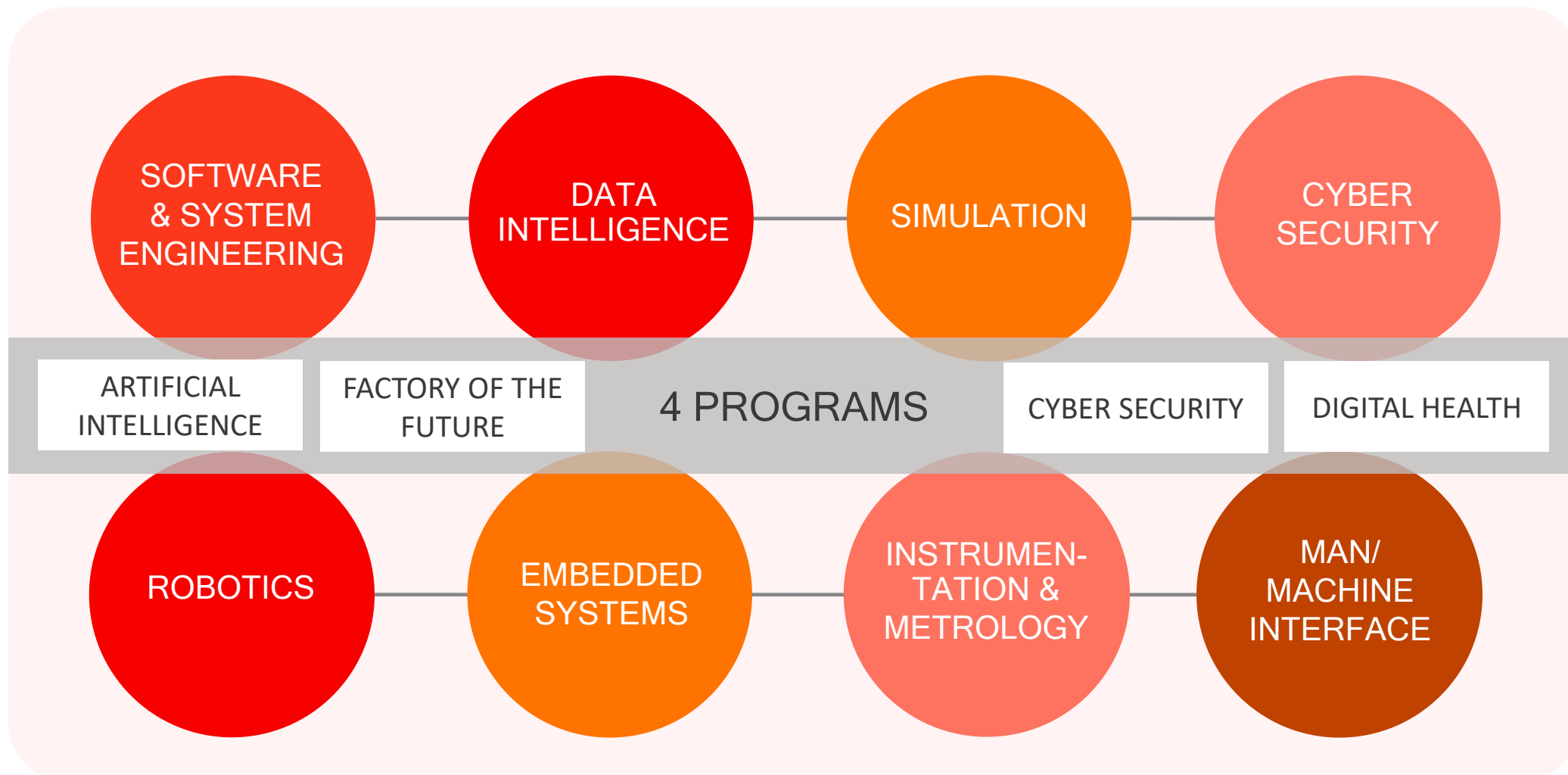
Chef de projet PULSATE

[Celine.deloffre@cea.fr](mailto:Celine.deloffre@cea.fr)

<https://www.linkedin.com/in/celinerazat/>









# Pulsate

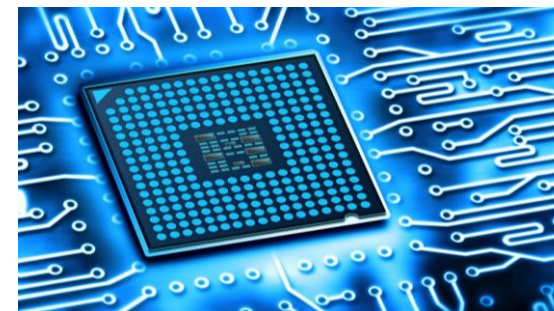
Fostering the PAN-European infrastructure for empowering SMEs digital competences in laser-based advanced and additive manufacturing

<https://www.pulsate.eu/>

# Revolutionising Markets

**LBAAM provide maximal benefits towards flexible manufacturing and highly digitalized production environments**

LBAAM technology is particularly beneficial for sectors like aerospace, automotive, medical devices, industrial machinery, customised electronics, and textiles & clothing.



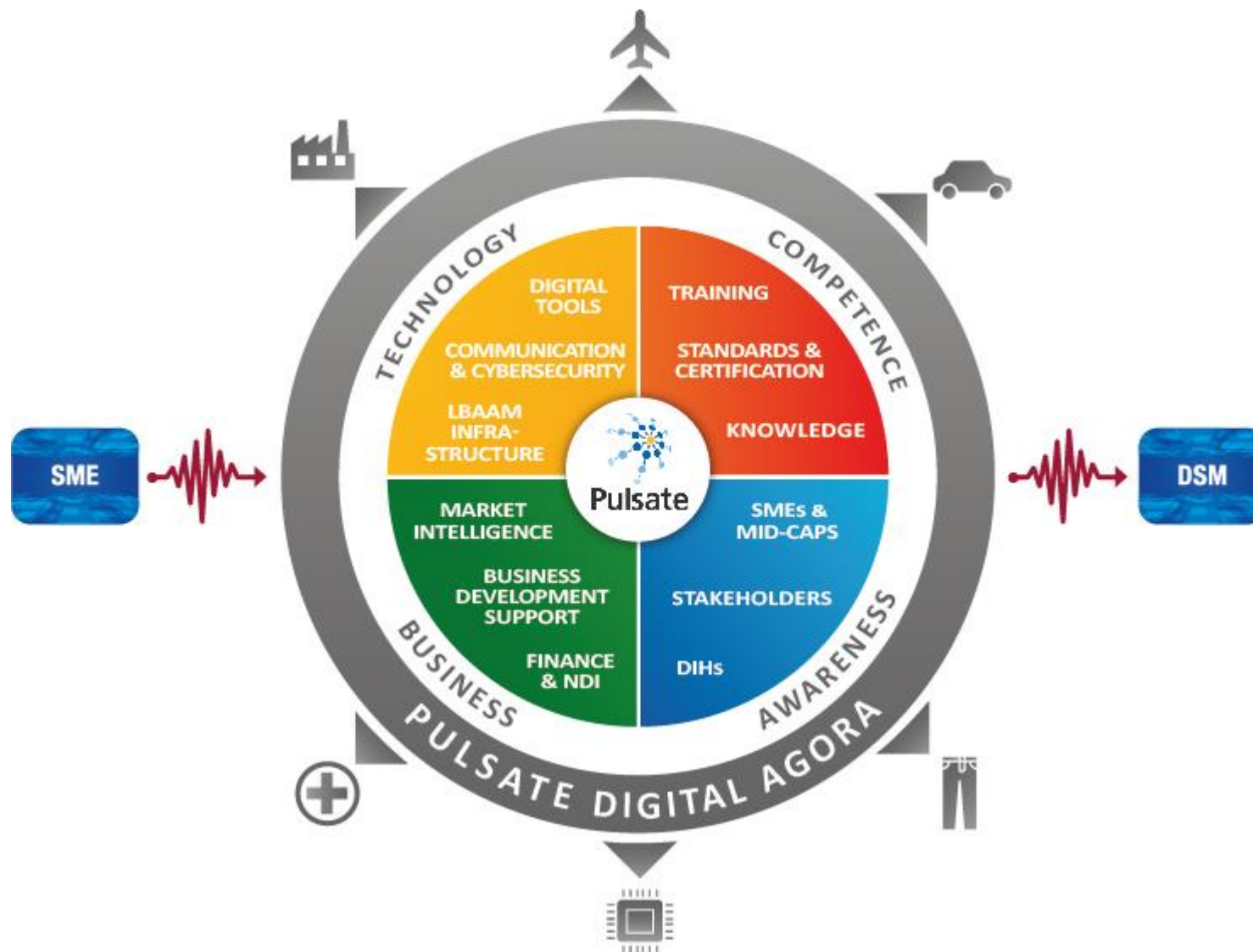


## About us

We are a strong consortium to support you with any need for implementing LBAAM technologies



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 951998



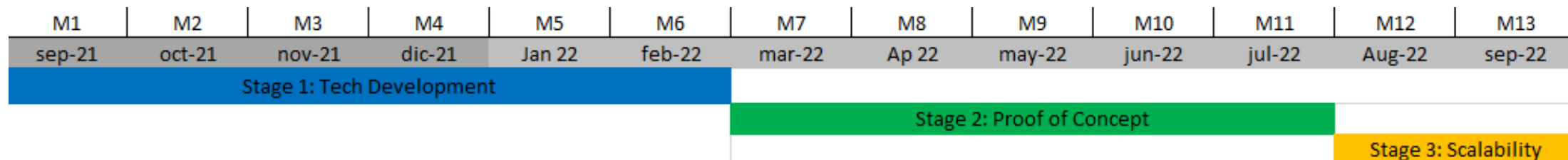
## Open Calls in a nutshell

- 4 Open Calls
- 62 projects
- LBAAM technology
- 4.07 million EUR

<https://pulsate-opencalls.fundingbox.com/>

	TECHNOLOGY TRANSFER EXPERIMENTS	ADOPTERS USE CASES
CALL LAUNCH	1ST: FEB 2021 2ND: Q2 2022	1ST Q1 2022 2ND Q2 2023
WHO CAN APPLY?	CONSORTIA: MINIMUM 2 SMES OR SLIGHTLY BIGGER (TECH PROVIDER AND END USER)	1 SME OR SLIGHTLY BIGGER (END USER)
SCOPE	DEVELOPING, TESTING AND VALIDATING THE TECHNICAL AND ECONOMIC VIABILITY OF NEW TECHNOLOGIES IN LBAAM	PERFORM A TECHNICAL/ECONOMIC FEASIBILITY STUDY FOR THE IMPLEMENTATION OF LBAAM TECHNOLOGY
NO. SELECTED PER CALL	10	21
FUNDING	UP TO 150.000 EUR	UP TO 25.000 EUR
DURATION OF SUPPORT PROGRAM	13 MONTHS	3 MONTHS

- Technical support from industry experts
- Business Mentoring led by FBA
- Up to €150k funding per experiment
- Media exposure
- Access to private & public investment



PULSATE Technology Domains	High Power Laser based Applications	Micro/nano fabrication	Additive Manufacturing	LBAAM Digitisation
CCs	Fraunhofer, MTC, AIMEN	FTMC, MTC, AIMEN	CEA, MTC, AIMEN	SINTEF, CEA, AIMEN





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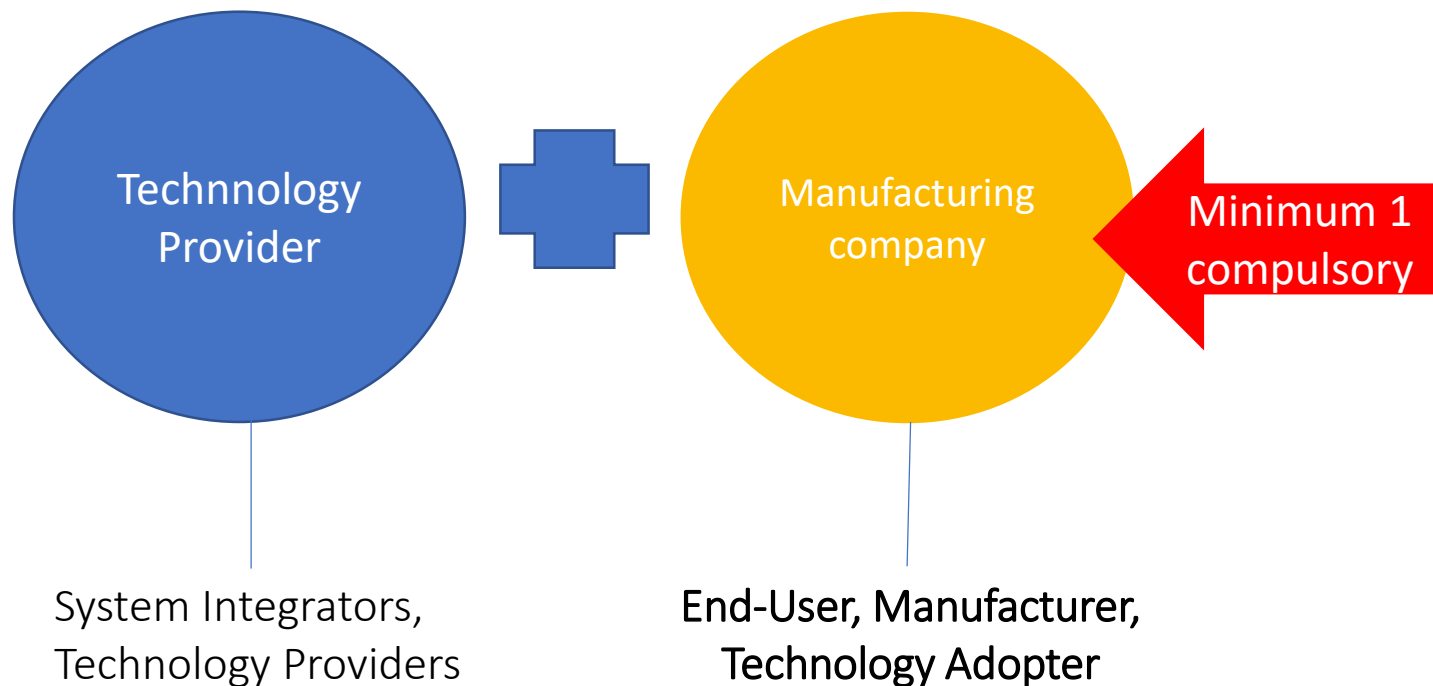
## Who?





# Technology Transfer Experiments Consortia

The TTEs have to be proposed by a Consortium including **minimum 2 SMEs** and/or **Slightly bigger** companies acting as :



# Do not have a partner to apply with?



- Submit Expression of Interest: <https://pulsate-matchmaking.fundingbox.com/>
- Write a post in Matchmaking Community: <https://spaces.fundingbox.com/spaces/i4ms-pulsate-networking-matchmaking-1>

## ONLY SMEs or Slightly Bigger

subsidiary of a bigger company?  
partner or linked enterprise?

Criteria/Legal Status	SME	Slightly Bigger
Headcount in Annual Work Unit (AWU)	less than 250	less than 500
Annual turnover	less or equal to 50 million EUR OR annual balance sheet total less or equal to 43 million €.	less or equal to 100 million EUR OR annual balance sheet total less or equal to 86 million €.

<sup>[1]</sup> An SME will be considered as such if it complies with the [Commission Recommendation 2003/361/EC](#).



Associated: Iceland, Norway, Albania, Bosnia and Herzegovina, North Macedonia, Montenegro, Serbia, Turkey, Israel, Moldova, Switzerland, Faroe Islands, Ukraine, Tunisia, Georgia, Armenia

## Areas of experimentation

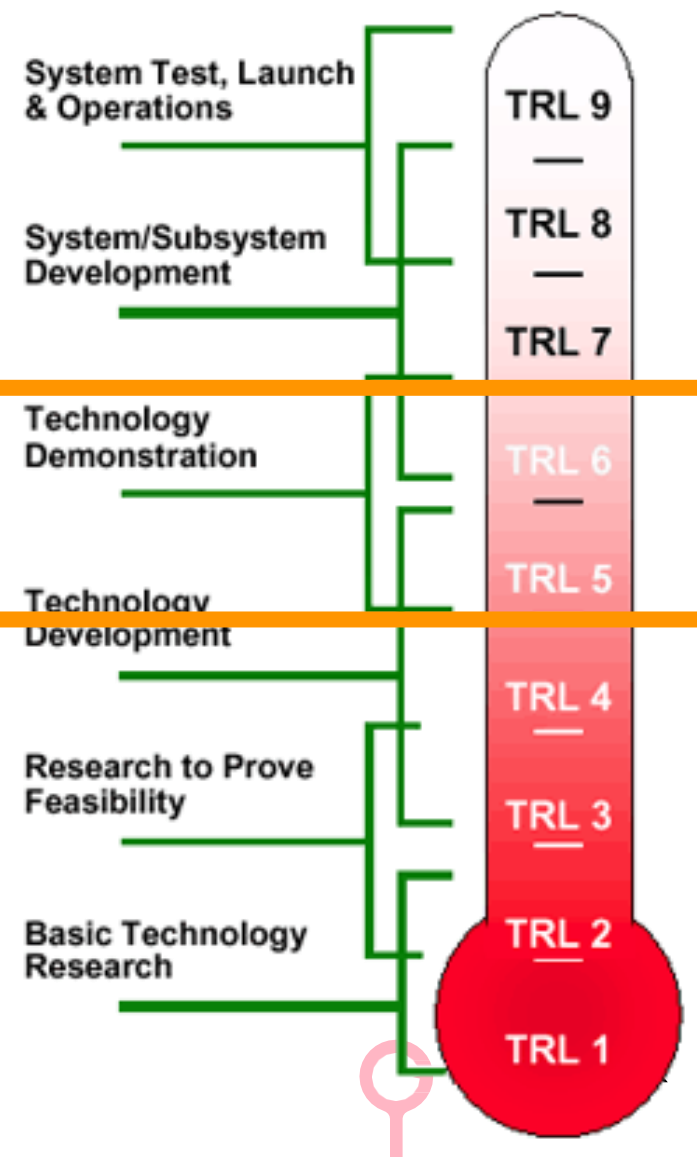
- Laser equipment integration, interoperability and robust automation,
- Technology for cost-effective laser-based manufacturing,
- First part right and zero-defect laser-based production,
- Flexible technology for small to large batches;
- From CAD to PLM: data integration and flow.



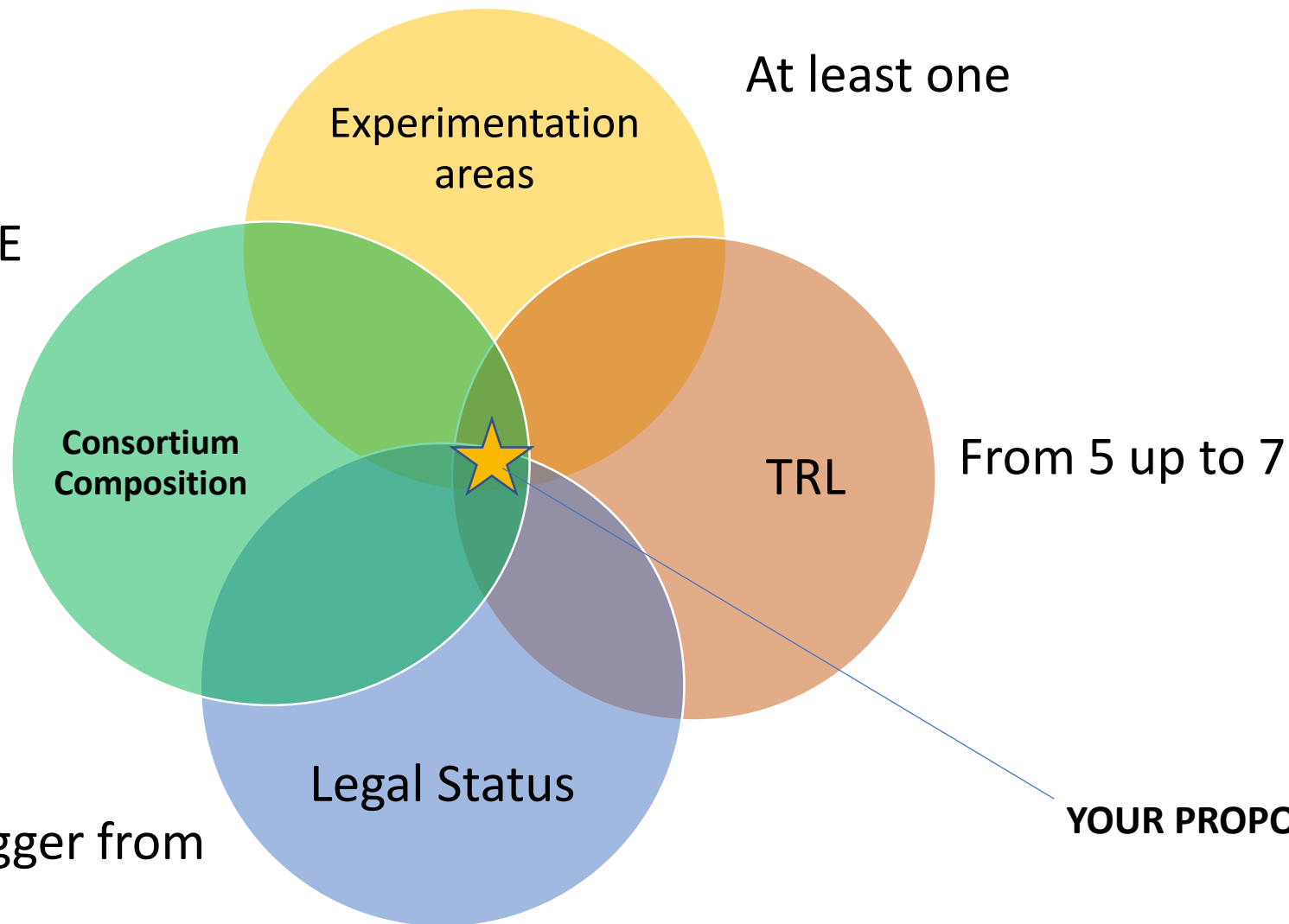
## TRL level

Minimum status of technological level:

between TRL5 - TRL7



Minimum one  
Manufacturing SME



YOUR PROPOSAL



## Can I apply with more than one experiment?



YES

- As Coordinating Entity: 1
- As a partner: 3

Remember about the funding limit!

**100k EUR per entity in PULSATE OCs and I4MS/SEA projects**



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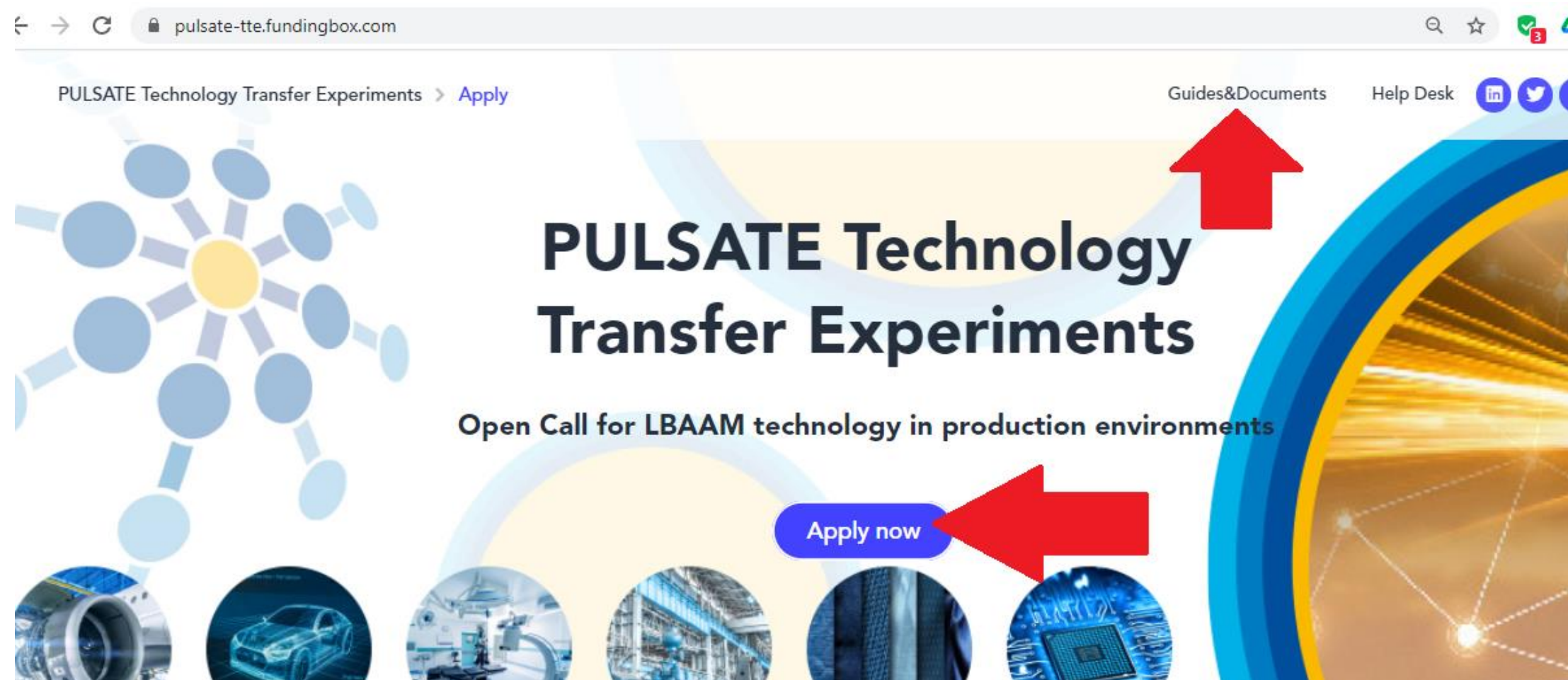
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## How?



<https://pulsate-tte.fundingbox.com/>



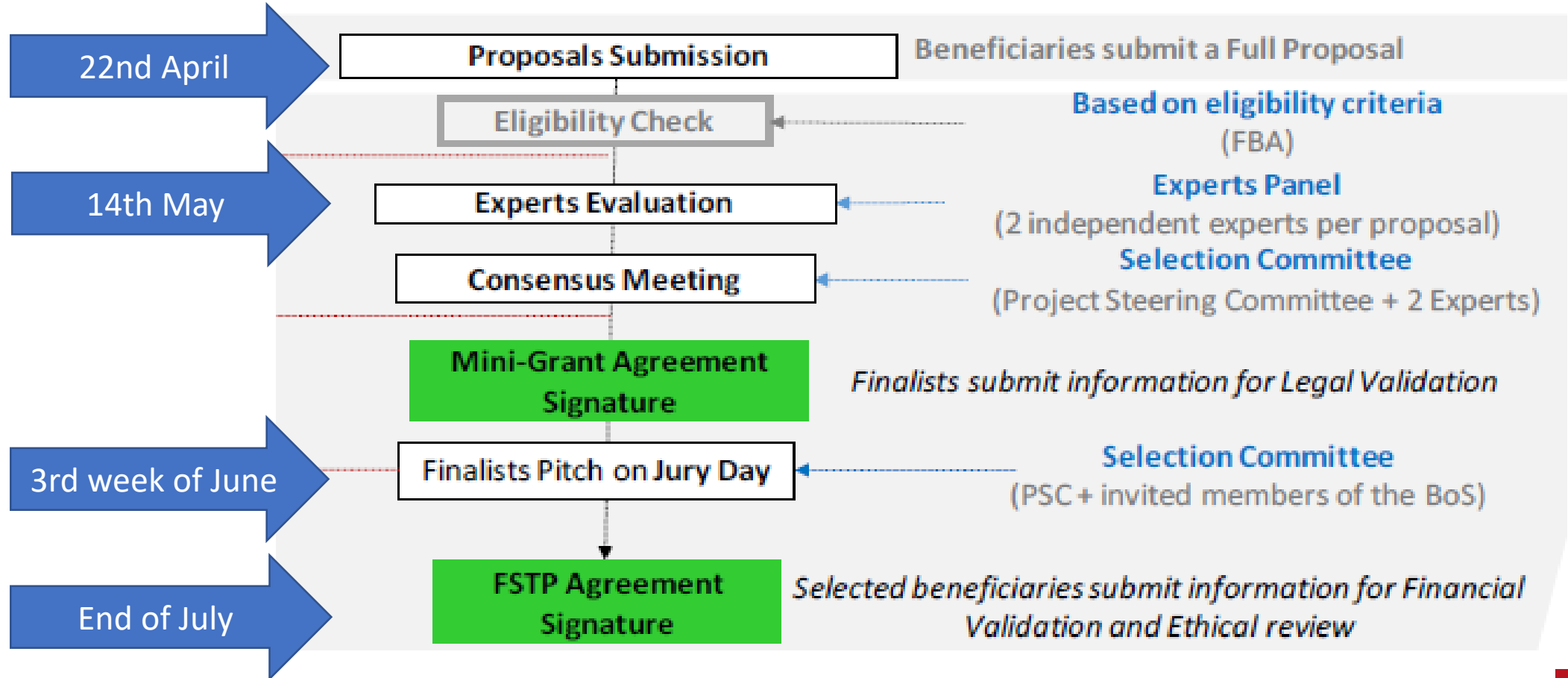
The screenshot shows the homepage of the Pulsate Technology Transfer Experiments website. The browser address bar displays "pulsate-tte.fundingbox.com". The page header includes the breadcrumb "PULSATE Technology Transfer Experiments > Apply" and navigation links for "Guides&Documents" and "Help Desk", along with social media icons for LinkedIn, Twitter, and Facebook. The main heading is "PULSATE Technology Transfer Experiments" in large, bold, dark blue letters. Below it, a subtitle reads "Open Call for LBAAM technology in production environments". A prominent blue button with the text "Apply now" is centered below the subtitle. Two large red arrows are overlaid on the image: one pointing upwards towards the "Guides&Documents" link, and another pointing leftwards towards the "Apply now" button. The background features a stylized network diagram on the left and a glowing orange and yellow circular graphic on the right. At the bottom, there is a row of six circular images showing various technological and industrial scenes: a turbine, a car, a laboratory, a factory, a close-up of a circuit, and a microchip.





## WHEN?

## HOW?





GUIDE FOR APPLICANTS SECTION 5

★	✓	Contact information*	
★	✓	Consortium composition and legal info*	<a href="#">View</a>
★	✓	EXCELLENCE: Technology Innovation*	<a href="#">View</a>
★	✓	Market and Social IMPACT*	<a href="#">View</a>
★	✓	IMPLEMENTATION*	<a href="#">View</a>
6		STATISTICAL SECTION	<a href="#">View</a>
★	✓	Declaration of honour on exclusion criteria and absence of conflict of interest:*	<a href="#">View</a>
★	✓	Personal data processing*	<a href="#">View</a>

# Excellence

**What is the technology behind your experiment?**

**Proof that technology is on the TRL level you indicated**

**Connect to at least one of experimentation areas**



**Show State of the Art related to the application of LBAAM processes**

(e.g. ground-breaking objectives, novel concepts and approaches,  
new products, services or business and organisational models)

# Impact

**Show examples End Users/Clients that might adopt the outcome of experiments (scalable to different industries)**

**Market Potential Competition and differentiation**  
**Initial Business Model**

- Environment and low carbon economy contribution
- Equal Opportunities
- Social Impact



**Highlight know-how and technology transfer between academia and industry**

e.g. new product generation, founding new companies, patent application etc

# Implementation

**Main actions to perform the experiment (per Stage)**

**SMART rule:** Specific,  
Measurable, Attainable,  
Relevant, and Time-Bound

**Are KPIs you want to reach ambitious and realistic?**

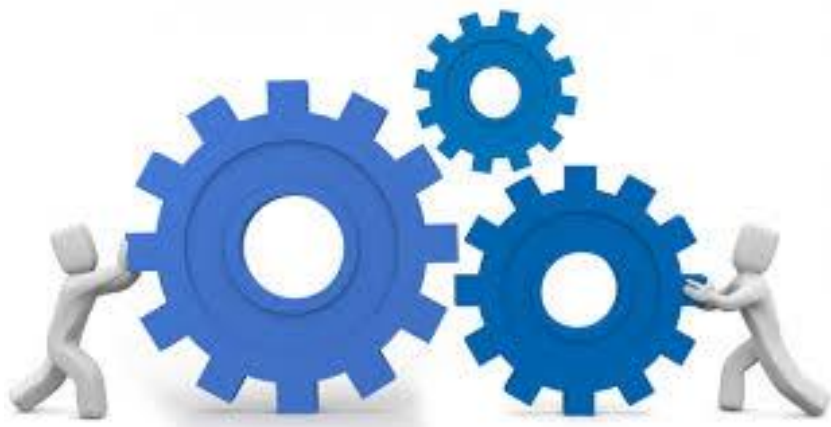
**Risks and their mitigation**

**List in Annex II GfA**

**What do you need to perform experiment?**

**Consortium team**

**Budget**





# How to calculate the Budget?

- 1) Personnel costs
- 2) Travel costs
- 3) Consumables

Check cost references and example of the experiment Budget in FAQ



- 4) Overheads (25% of rows 1,2,3)
- 5) Subcontracting (max 15% of rows 1,2,3,4)

6) Total costs (1+2+3+4+5)

7) Requested amount (70% of row 6/Total costs)

MAXIMUM:

- A) 150.000 EUR per experiment
- B) 100.000 EUR per company in all PULSATE, I4MS and SAE Open Calls



# ETHICS

- involve the use of human embryos?
- human participants?
- personal data?
- Animals?
- third countries from outside of EU?
- military applications ?

**If you are not sure, you can check the official EC ethical self assesment:**

[https://ec.europa.eu/research/participants/data/ref/h2020/grants\\_manual/hi/ethics/h2020\\_hi\\_ethics-self-assess\\_en.pdf](https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf)

## HELPFUL



## TIPS



Remember to **SUBMIT** your application before the **DEADLINE**



**SUBMITTING** your application is **AVAILABLE** only after all the red star marked sections are **CORRECTLY FILLED OUT**



You can **ALWAYS EDIT** all bookmarks and fields until the end of the deadline , **EVEN AFTER SUBMISSION**



There is an **OPTION** to add **CONTRIBUTORS** on the application submission page



FundingBox

## NEED HELP?

- Send us an email to:  
[pulsate.help@fundingbox.com](mailto:pulsate.help@fundingbox.com)
- Ask your question in OC helpdesk:



### PULSATE Open Calls Helpdesk

Ask all your questions about PULSATE's open calls.



## Pulsate

[Guides&Documents](#)[Help Desk](#)

### Guides and documents

Thank you for your interest in the 1st Technology Transfer Experiments Open Call under the PULSATE project and welcome to our section for guides and documents. Hopefully, this section will help you solve your doubts about the application and submission procedure of our 1st open call.

Please, before applying, read carefully the documents below, which include all the necessary information on the application process and evaluation criteria.

[Guide for Applicants](#)[FAQ](#)

Take into account that if you can't find the answer you need in the [FAQ](#), you can submit your question(s) through the [Q&A space](#) at PULSATE Online Community or asking directly to our Helpdesk: [pulsate.help@fundingbox.com](mailto:pulsate.help@fundingbox.com)

You can also visit the [PULSATE project website](#) for more information about the project.

[JOIN OUR WEBINARS](#)

## Follow our series of webinars

Partner/Title	Country	Date and Hour
FRA	Germany	23rd Feb at 9am
AIMEN	Spain	25th Feb at 12
CEA	France	2nd March at
SINTEF	Norway	9th March at
MTC + FBA: Innovations in LBAAM & Technical Support	ALL	10th March at 3pm
FTMC: Industry Week	Lithuania	23rd March
FBA: Final Countdown Q&A and Tips	ALL	12 <sup>th</sup> April





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## Q&A



**APPLY BEFORE 22<sup>nd</sup> APRIL!**

<https://pulsate-tte.fundingbox.com/>

Mail: [pulsate.help@fundingbox.com](mailto:pulsate.help@fundingbox.com)







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## Thank you for your attention



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951998.*