

# Estonian Space Cyber Security in GSTP 2021

## Call for expression of interest

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Matthew Bullock / Noelia Peinado

TEC-T - ESA ESTEC

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1. Call organised by the Estonian Space Office with the support from ESA
2. What – Call for interest for preparing future **technology developments and demonstrations (in orbit or on ground) in the specific area of cybersecurity.**
3. When – The call will be opened on the 15<sup>th</sup> of June 2021 for 3 weeks. Planned **closing date 7<sup>th</sup> July 2021.**
4. How – Template to be filled. Main information requested:
  - Brief description of background/capabilities of the company in general and specifically related to cybersecurity and to space
  - Expression of interest with respect to the topics from the list
  - Other topics not included in the list that shall be considered
  - Brief outline (~1 page) of a concrete idea related to the call (including scope, application, rough estimate of schedule/budget and potential partners (or types of partners needed))

1. Only Estonian companies should be main contractors/consortia leaders, however R&D institutions are encouraged to be part of consortiums.
2. Follow-up activities from previous ESA GSTP cyber Estonian developments are encouraged.
3. Activities with co-investments from company or investors are preferred
4. Budget per idea 200K€ - 300K€ for technology developments / Ideas including IOD experiments could be up to 1M€

1. Filled templates shall be submitted to the Estonian Space Office.
2. Evaluation of ideas by Estonian Space Office with the support from ESA.
3. ESA will organise bilaterals with entities for clarification/ further explanation of the ideas and orientation. (meetings could be expected in July-Sep 2021)
4. Ideas selected will be implemented in GSTP. The scheme more suitable for the idea will be considered for implementation: GSTP E1: WP/ De-risk framework/Building Block framework/, GSTP E2 or E3.

# GSTP OVERVIEW

## 25 PARTICIPATING STATES

Annual commitment (industrial contracts) ~ €100 million

150-200 new activities per year

### ELEMENTS

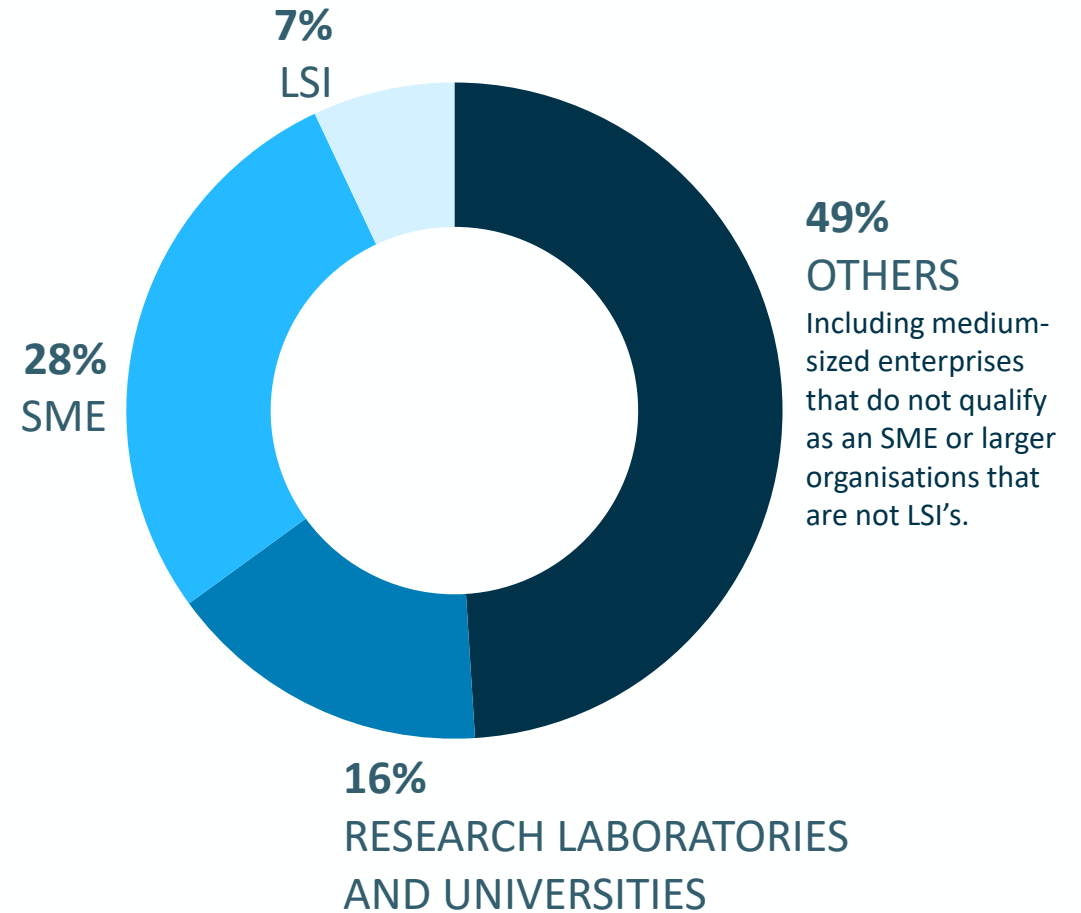
**1: DEVELOP** supports technology developments, capacity building & ESA technology aims with Compendia and Frameworks

**2: MAKE** enables industry-driven, co-funded activities that strengthen competitiveness

**3: FLY** implements in-orbit demonstrations for technologies to acquire flight heritage

Dedicated 'COMPONENTS' cater to larger projects

Breakdown by supplier type



# GSTP Element 1:

## GSTP E1 WP

Activities presented to AC/IPC – Next updates September and November 2021. Driven by ESA – SoW.

## Frameworks

### Assessments to Prepare & De-Risk Technology Developments

Published as an OSIP Channel ([ideas.esa.int](https://ideas.esa.int)) and on ESA-STAR, easing access to templates and information and also streamlining the procurement process.

### Preparation of enabling space technologies and Building Blocks

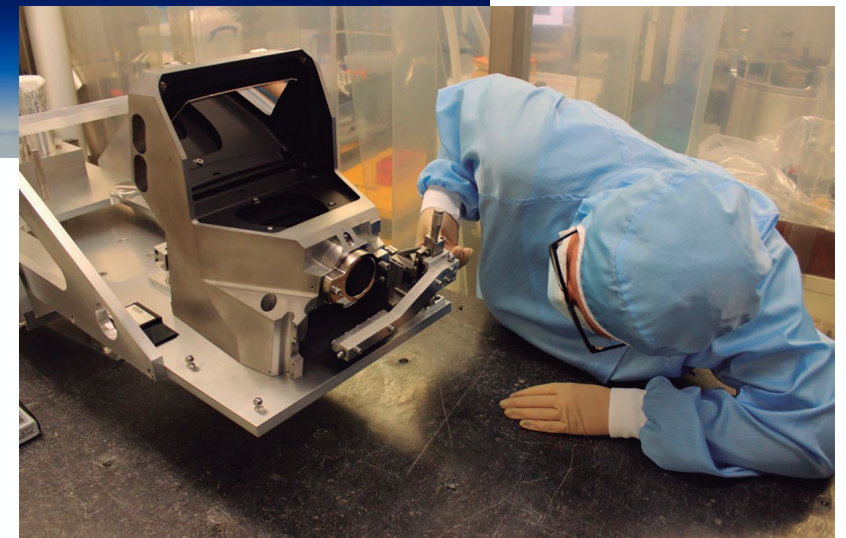
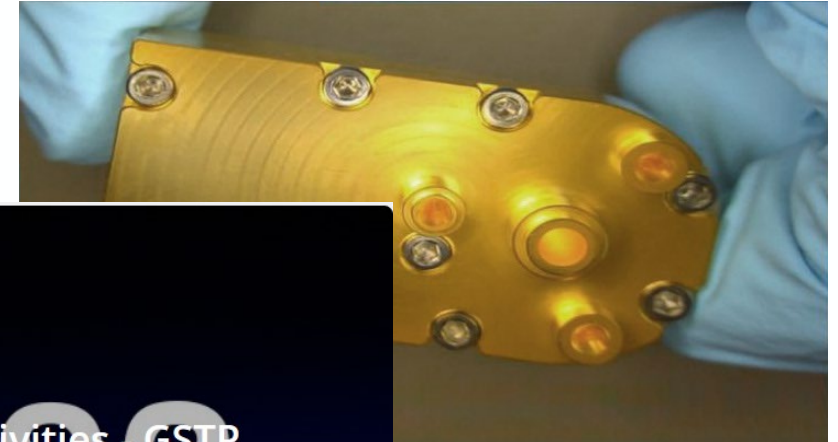
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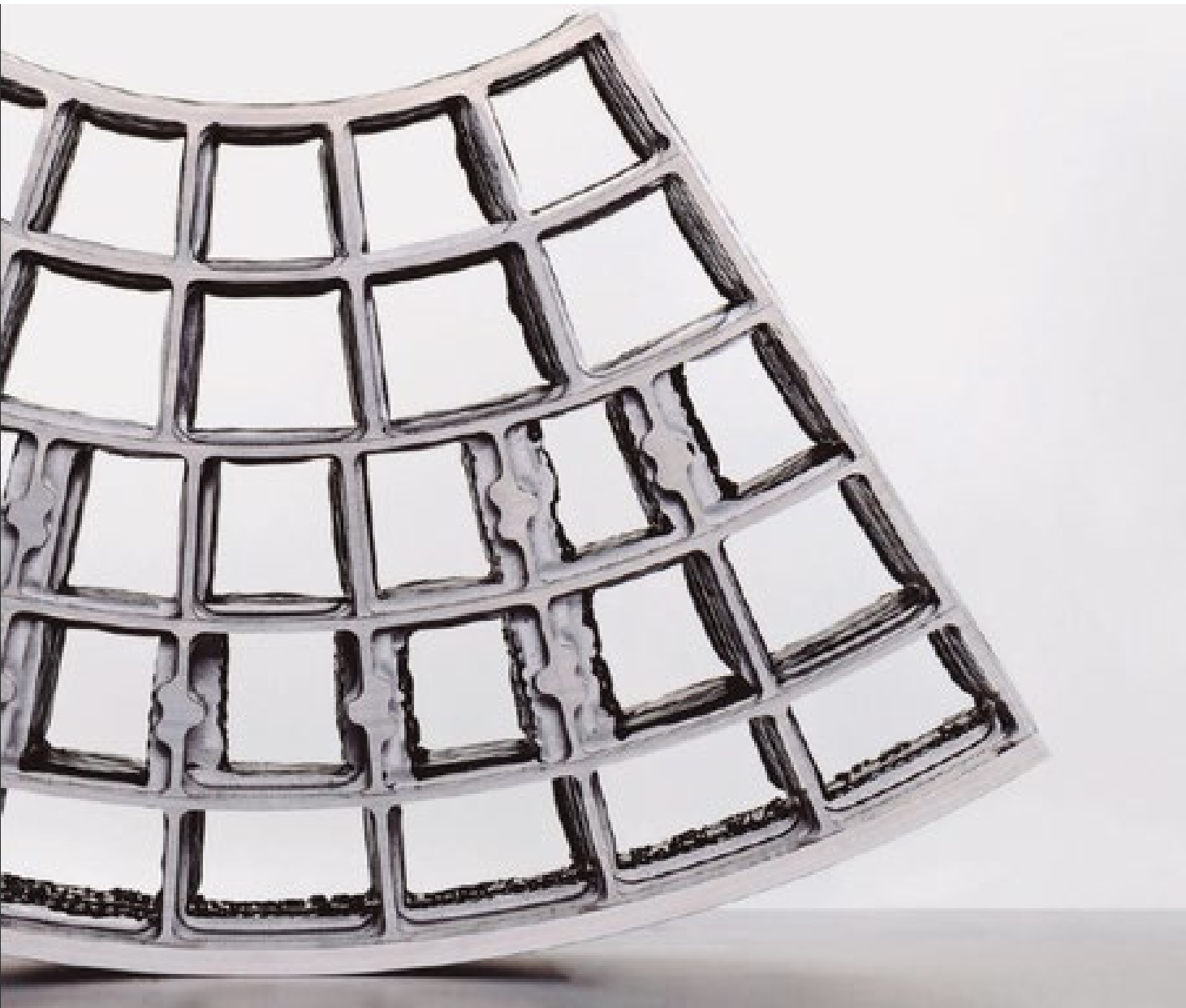


## GSTP Element 2

3 segments: Market Oriented Opportunities, Strategic Opportunities and Implementation of National Priorities

Use of OSIP channel ([ideas.esa.int](http://ideas.esa.int)) for outline proposal evaluations and of an updated proposal templates





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# Thank You

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