



Border and External Security

- Call 2019 -



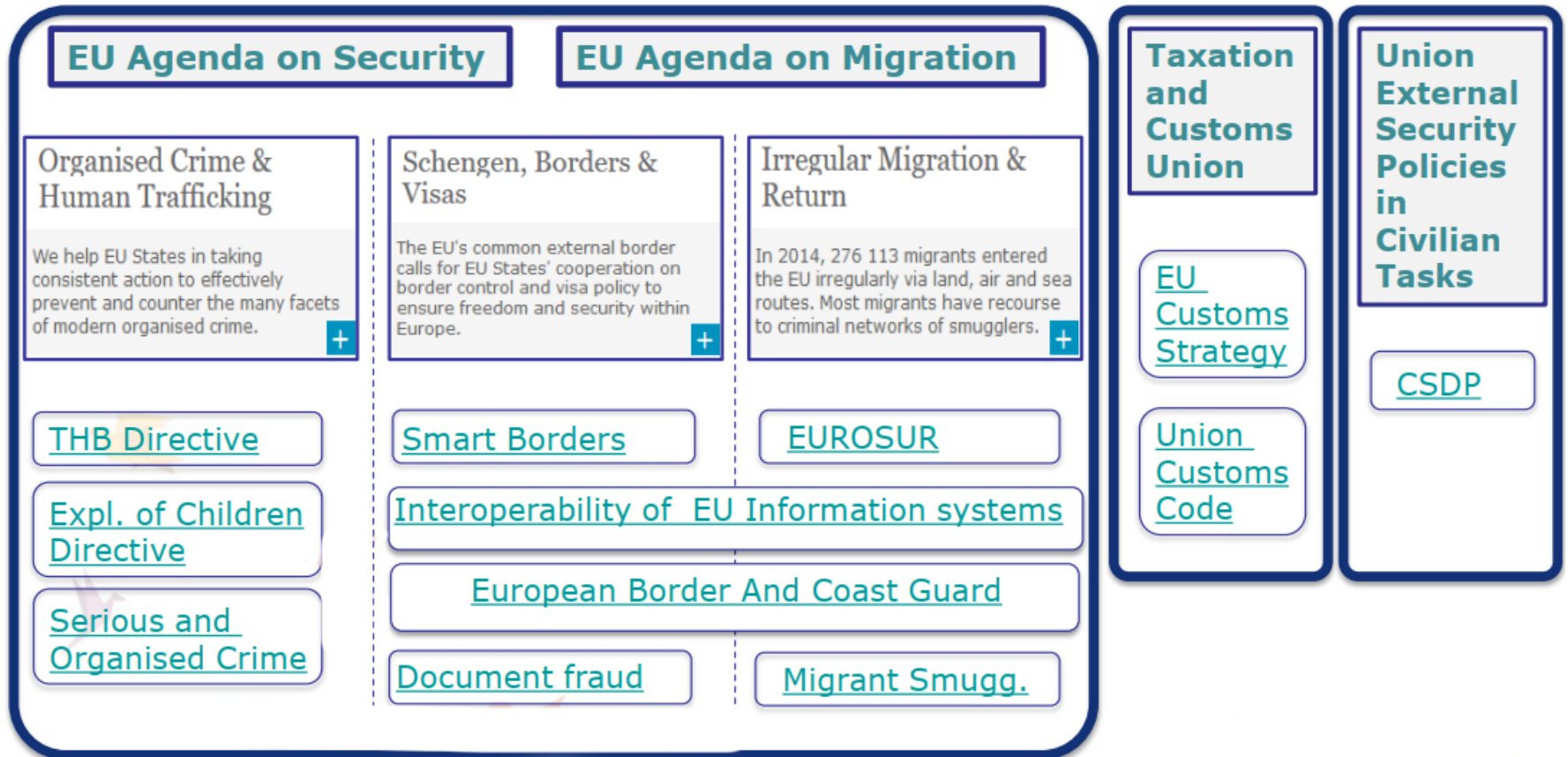
The reasoning behind the BES call

Development of technologies, capabilities and solutions to:

- Improve EU border security:
 - Flow of people: research will support the exploitation of the potential given by the **European Border Surveillance System** (EUROSUR - Regulation No 1052/2013) and promote an enhanced use of new technology for border checks in relation to the **SMART BORDERS** legislative initiative (DG HOME)
 - Flow of goods: research will address, in the context of the EU's customs policy, supply chain security trying to strike the right balance with trade facilitation (DG TAXUD)
- Support the EU External Security Policies in civilian tasks (EEAS).

But also understanding the phenomena with impact on border and external security.
Social sciences and humanities involved

The Policy landscape



General information on the call/topic

Call:

- Border and External Security

Topics 2018:

- **SU-BES01-2018-2019-2020**: Human factors and Social, societal and organisational aspects of border and external security (RIA)
- **SU-BES02-2018-2019-2020**: Technologies to enhance border and external security (RIA)
- **SU-BES03-2018-2019-2020**: Demonstration of applied solutions to enhance border and external security (IA)

Budgetary overview

| Topics (Type of Action) | Budget (EUR million) | | | Deadlines |
|--------------------------------------|----------------------|--------------|------|--------------------|
| | 2018 | 2019 | 2020 | |
| Opening: 15 Mar | | 2018 | | |
| SU-BES01/02/03 | 41,00 | | | 28 Aug 2018 |
| Opening: 19 Mar | | 2019 | | |
| SU-BES01-2018-2019-2020 (RIA) | | 10,00 | | 22 Aug 2019 |
| SU-BES02-2018-2019-2020 (RIA) | | 21,00 | | |
| SU-BES03-2018-2019-2020 (IA) | | 10,00 | | |
| Opening: TBD | | | 2020 | |
| SU-BES01/02/03 | | | TBD | To be defined |
| Overall indicative budget | 41,00 | 41,00 | | |

Scope

SU-BES01-2018-2019-2020 (RIA)

Human factors, and social, societal and organisational aspects of border and external security

Eligibility condition:

- In 2018 predefined sub-topics require the active involvement of at least 3 Border or Coast Guards Authorities from at least 3 different EU or Associated countries. Where applicable Sub-topic: Open requires the active involvement of at least 5 such organisations, from at least 5 different EU or Associated countries.
- **In 2019 such conditions cease to apply.**
- Border and Coast Guard Authorities are eligible. **Their participation is encouraged.**

Scope

SU-BES02-2018-2019-2020 (RIA) – Part 1/3

Technologies to enhance border and external security

Specific challenge:

- Development of novel technologies, provided that they are affordable, accepted by citizens and customized and implemented for the needs of security practitioners.

Three sub-topics open in 2019:

- **Sub-topic 3:** Security on-board passenger ships
- **Sub-topic 4:** Detecting threats in the stream of commerce without disrupting business.
- **Sub-topic Open:** Other issues relevant to this challenge

Three sub-topics open in 2019 (cont.):

- **Sub-topic 3:** Security on-board passenger ships.
 - Ensure security all along the “life cycle” of a journey.
 - New technologies (considering deployment and integration) and novel procedures.
- **Sub-topic 4:** Detecting threats in the stream of commerce without disrupting business.
 - Risk-based and non-intrusive detection of dangerous and illegal goods ensuring the full supervision of the logistic flow.
 - contraband (mainly cigarettes) hidden in high density cargo (coal, iron ore) in particular for rail cargo transport. Illicit trafficking of NR materials.
 - exploiting information about cargo flow data.

Scope

SU-BES02-2018-2019-2020 (RIA) – Part 3/3

Technologies to enhance border and external security

Other considerations:

- In compliance with EU societal values, fundamental rights and applicable legislation.
- TRL up to 5/6.
- Indicative budget: 7M€

Expected impact:

- **Short term: Benchmarks to assess progress, plan for uptake of results**
- **Mid term: Evidence based knowledge, progress beyond state of the art, technical and operational guidelines**
- **Long term: Implementation of actions (Smart borders, EU Maritime Security Strategy, EU Strategy and Action Plan for customs risk management)**

Scope

SU-BES03-2018-2019-2020 (IA) – Part 1/2

Demonstration of applied solutions to enhance border and external security

Specific challenge:

- Demonstration (and validation) of highly mature technologies (TRL 6-8) in the context of actual operations.

Two sub-topics open in 2019:

- **Sub-topic 2:** New concepts for decision support and information systems.
 - Improving situation awareness at strategic level and tactical level. Combination of different information sources.
 - Interoperability of surveillance systems. Exploitation of data tailored to specific environments. Availability of data.
- **Sub-topic Open:** Other issues relevant to this challenge

Scope

SU-BES03-2018-2019-2020 (IA) – Part 2/2

Demonstration of applied solutions to enhance border and external security

Other considerations:

- In compliance with EU societal values, fundamental rights and applicable legislation.
- Coordinated by competent border/coast guard authority.
- Demonstrate complementarity and no overlap with actions under [PADR-US-01-2017](#)
- Indicative budget: 5M€

Expected impact:

- **Mid term:** Validation in real operational environment, plans for uptake and transnational procurement.
- **Long term:** Improved cost-effectiveness/efficiency, Interoperability standards, improved situation awareness and reaction capability.
- **Contribute to Common Application of Surveillance Tools**



Thank you!

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Participant Portal www

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/cross-cutting-activities-focus-areas>