Cluster 3: Civil Security for Society

Destination
"Effective management of EU borders"

CALL

BORDER MANAGEMENT (BM)

2024

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Destination "Effective management of EU borders"

- Expected impact of the Horizon Europe Strategic Plan 2021-2024:
  - "Legitimate passengers and shipments travel more easily into the EU, while illicit trades, trafficking, piracy, terrorist and other criminal acts are prevented, due to improved air, land and sea border management and maritime security including better knowledge on social factors."

- Specific impacts:
  - Improved security (as well as better cost- and energy- efficient management) of EU land and air borders, as well as sea borders and maritime environment, infrastructures and activities, as well as for the EU external civilian security, against accidents, natural disasters and security challenges such as illegal trafficking, piracy and potential terrorist attacks, cyber and hybrid threats;
  - Improved border crossing experience for travellers and border authorities staff (including customs, coast and border guards), while maintaining security and monitoring of movements across air, land and sea EU external borders, supporting the Schengen area, reducing illegal movements of people and goods across those borders and protecting fundamental rights of travellers, both EU citizens and Third Country Nationals;
  - Improved customs and supply chain security though better prevention, detection, deterrence and fight of illegal activities involving flows of goods across EU external border crossing points and through the supply chain, as well as through better interoperability, minimising disruption to trade flows.

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- The Destination introduction and the general Cluster WP introduction apply to all topics !

- Keep up to date with relevant EU policy:

  - Security Union Strategy, New Pact on Migration and Asylum, European Border and Coast Guard, EU Maritime Security Action Plan and Research Agenda, EU Customs Union Action Plan.

- Three areas within this Destination:

  - Efficient border surveillance and maritime security;

  - Secured and facilitated crossing of external borders;

  - Better customs and supply chain security.

- Assistance from the European Union Agency for the Operational Management of Large-Scale IT Systems in the Area of Freedom, Security and Justice (eu-LISA).

- Central role of the European Border and Coast Guard Agency (Frontex).

- If projects use satellite-based, positioning, navigation and/or related timing data and services, beneficiaries must make use of Galileo/EGNOS (other data and services may additionally be used).

- The use of Copernicus for earth observation is encouraged.

- Develop knowledge and technologies that may be taken up by other instruments, such as the **EU Integrated Border Management Fund** (including the **Border Management and Visa Instrument, BMVI**; and the **Customs Control Equipment Instrument, CCEI**).

- The capabilities built by research and innovation in this Destination would clearly be relevant to be better prepared for potential future challenges to European internal security and crises as the ones in Ukraine in 2022.

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- Integrate protection of human rights, respect of fundamental rights, including privacy, and of EU values;

- Compatibility with legacy and perspective systems;

- Active involvement of relevant security practitioners or end users;

- Cooperate with relevant EU-chaired or funded initiatives;

- Complement and avoid overlap relevant actions funded by other EU instruments, including by the European Defence Fund and the European Defence Industrial Development Programme, while maintaining focus on civilian applications only;

- Security sensitive results;

- Gender dimension: to consider/address unless otherwise mentioned.

- Demonstrate how you plan to:
    - build on relevant predecessor projects;
    - consider the citizens' and societal perspectives;
    - include education, training and awareness raising for practitioners and citizens;
    - measure the achieved TRL;
    - prepare the uptake of the research Outcomes.

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Overview

Topic	ToA	EUR	Projects	Min eligibility
HORIZON-CL3-2024-BM-01-01: Open Topic	RIA	6,00	2	2 Border or Coast Guard Authorities and/or Customs Authorities from 2 different MS/AC
Efficient border surveillance and maritime security				
HORIZON-CL3-2024-BM-01-02: Interoperability for border and maritime surveillance and situational awareness	IA	6,00	1	2 Border or Coast Guard Authorities from 2 different MS/AC
Secured and facilitated crossing of external borders				
HORIZON-CL3-2024-BM-01-03: Advanced user-friendly, compatible, secure identity and travel document management	IA	6,00	1	2 Border or Coast Guard Authorities from 2 different MS/AC
HORIZON-CL3-2024-BM-01-04: Integrated risk-based border control that mitigates public security risk, reduces false positives and strengthens privacy	IA	5,00	1	2 Border or Coast Guard Authorities from 2 different MS/AC
Better customs and supply chain security				
HORIZON-CL3-2024-BM-01-05: Detection and tracking of illegal and trafficked goods	RIA	6,00	2	2 Customs Authorities from 2 different MS/AC

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HORIZON-CL3-2024-BM-01-01: Open Topic

- <u>Expected Outcomes</u>:

  Projects' results are expected to contribute to outcomes in line with the one or all of the pursued impacts described in the Introduction to the Destination "Effective Management of EU external borders".

- At least 2 Border **or** Coast Guard Authorities **and/or** Customs Authorities, from at least 2 different EU Member States or Associated Countries.

HORIZON-CL3-2024-BM-01-02: Interoperability for border and maritime surveillance and situational awareness

- Area: Efficient border surveillance and maritime security.

- Expected Outcomes:
  - Increased border surveillance capability, better performing and more cost-efficient, with data and fundamental rights protection by design;
  - Improved surveillance and situational awareness of sea borders, but also of maritime infrastructures as harbours and commercial and civilian maritime security, including in key areas such as the Arctic; •
  - Improved multi-level, multi-authority and cross-border (among Member States and Associated Countries practitioners) collaboration thanks to better interoperability of sensing, analysis and C2 systems.

- At least 2 Border **or** Coast Guard Authorities from at least 2 different EU Member States or Associated Countries.

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HORIZON-CL3-2024-BM-01-03: Advanced user-friendly, compatible, secure identity and travel document management

- Area: Secured and facilitated crossing of external borders.

- Expected Outcomes:
  - Improved capabilities to validate breeder and identity documents as well as ICAO Type 1 and Type 2 digitalised travel documents;
  - Improved compatibility among tools for verification of travel documents and identity, while guaranteeing not sharing (beyond what's strictly necessary) or compromising personal data;
  - Enhanced integration with EU current or planned architecture(s) for digital identity frameworks;
  - Contribute to capabilities that strengthen the Schengen area, by providing security at its external borders that also reassure on maintaining the free movement within its borders.

- At least 2 Border **or** Coast Guard Authorities from at least 2 different EU Member States or Associated Countries.

HORIZON-CL3-2024-BM-01-04: Integrated risk-based border control that mitigates public security risk, reduces false positives and strengthens privacy

- Area: Secured and facilitated crossing of external borders.

- Expected Outcomes:
  - Improve assisted border crossing control systems, coordinated between border, customs and security controls;
  - Allocate more efficiently border check resources, maintaining security while minimising time and hassle for crossings and false positives;
  - Allocate flexibly border check resources, when and where needed, depending on changing needs (for example seasonally, and/or in the case of roll-on-roll-off ferries);
  - Contribute to capabilities that strengthen the Schengen area, by providing security at its external borders that also reassure on maintaining the free movement within its borders.

- At least 2 Border **or** Coast Guard Authorities from at least 2 different EU Member States or Associated Countries.

HORIZON-CL3-2024-BM-01-05: Detection and tracking of illegal and trafficked goods

- Area: Better customs and supply chain security.

- Expected Outcomes:
  - Contributing to development of fully automated customs control checkpoints;
  - Enhancing detection capabilities for customs security, while facilitating trade.

- At least 2 Customs Authorities from at least 2 different EU Member States or Associated Countries.

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Thank you!