



WCO Technology Conference & Exhibition

Session C3 - Research & Innovation

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*DG TAXUD Unit A1
Customs Policy
CCEI Sector*

Changing role of customs

- › More trade & increase of e-commerce
- › More emphasis on security
- › Less staff in the control points
- › Aging & outdated equipment
- › Need for A.I. and Automated Threat Detection
- › Data security
- › Sustainability & environmental-friendliness

- Key role of innovation to ensure

- › Safety
- › Security
- › Cyber-resilience
- › Interoperability
- › Efficiency
- › Greening

- What is next?

- › **Innovation:** Advanced detection technologies (active & passive)
- › **Integration:** Ensure operational integration based on CONOPS
- › **Interoperability:** Equipment work together & communicate

Bringing customs controls to the next level

- Customs can explain its challenges to industry and manufacturers
- Active involvement in the field of testing of the designed product/solution
- Better market uptake of an end-product that responds to the identified needs and challenges

The CCEI – Customs Control Equipment Instrument

- CCEI to provide state-of-the-art equipment
- Forward looking towards use of innovation and emerging technologies
- Use of artificial intelligence (A.I.) to improve Automated Threat Detection (ATD)
- Creation of centres of expertise to test new equipment prior to procurement

**“When customs embraces technology
it can make dreams come true”**

Customs-oriented security research projects

Horizon Europe

2014-2019: 215 million EUR, 37 research projects
2020: 36 million EUR
2021-2022: 55 million EUR



Bordersens. 2019 – 2023 → border detection of illicit drugs and precursors



ENTRANCE. 2020 – 2023 → combination of different technologies



Multiscan3D. 2021 – 2025 → detection of illegal/hazardous goods, cargo inspection



PARSEC. 2022 – 2025 → covering e-commerce

Thank you!