Effective non-intrusive inspection (NII) of containerised freight is critical to trade and society. Freight containers are potential means for smuggling (e.g. tobacco), illegal immigration, trafficking of drugs, misdeclared goods and dangerous illicit substances, including explosives, nuclear material, chemical and biological warfare agents and radioactively contaminated goods. One inspection NII technology cannot cope with all these targets.

The C-BORD Toolbox and Framework will address all these targets and enable customs to deploy comprehensive cost-effective container NII solutions to potentially protect all EU sea- and land-borders, satisfying a large range of container NII needs.

The C-BORD Toolbox will include 5 complementary innovative detection technologies: delivering improved X-rays, Target Neutron Interrogation, Photofission, Sniffing and Passive Detection. User interfaces and data will be integrated to optimise effectiveness and efficiency of end-users and systems.

The C-BORD Framework will help customs analyse their needs, design integrated solutions, and optimise the container inspection chain; it will address detection levels, false alarm levels, throughput, health & safety, logistics and cost & benefits.

C-BORD will increase the probability of finding illicit or dangerous content with at least equal throughput of containers per time unit, reduce the need for costly, time-consuming and dangerous manual container inspections by customs officials, and in case a container is opened, increase the probability of finding illicit...
materials. C-BORD involves stakeholders from 8 EU countries, as partners (5) and advisory group members (3). On 3 custom sites integrated solutions will be trialled, respectively addressing the needs of big seaports, small seaports and mobile land-borders. To optimise sustainable impact, C-BORD will actively engage with a large community, will support policy implementation, evolution and start early exploitation planning.

**Champ scientifique**

**Programme(s)**

H2020-EU.3.7. - Secure societies - Protecting freedom and security of Europe and its citizens

**Thème(s)**

BES-09-2014 - Supply Chain Security topic 2: Technologies for inspections of large volume freight

**Appel à propositions**

H2020-BES-2014

Voir d'autres projets de cet appel

**Régime de financement**

RIA - Research and Innovation action

**Coordinateur**

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Type d'activité: Research Organisations  
Contribution de l’UE: € 3 610 930

Site web

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**Participants** (19)
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Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contribution de l’UE  
€ 44 138,50

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