



enabling
next generation
cargo
screening
by an **effective**
synergy
between...

Technology Providers



Development for Photofission, TNIS, Passive Detection, Evaporation Based Detection



Electronics subsystems for Photofission and TNIS



Measurement methods, detectors for Photofission and TNIS
Organisation of "Rapidly relocatable checkpoint" field trial



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Development of Rapidly Relocatable TNIS



Micro-cantilevers, electronic interface for Evaporation Based Detection



Sensors, software, hardware, integration for Evaporation Based Detection



Bonn-Rhein-Sieg University
of Applied Sciences

Testing , assessment , recommendations for standards Evaporation
Based Detection
Small and large volume sampling system
Standardised Emission sources



Development of enhanced mobile & re-locatable
radiation detection
Detectors for Photofission and TNIS
Data fusion



Container Inspection Systems -
X-ray technologies
Integration user interface, data
fusion & decision making



Douane
Rheinlandpfalz



Customs
Service



National Tax and
Customs Administration



AGENZIA DELLE DOGANE
E DEI MONOPOLI

Experts & Service Providers



Project management
Dissemination & exploitation support



C-BORD Framework
Port logistics, workflow, cost & benefit considerations
Testing, assessment, standards recommendations for passive detection and TNIS



Benchmarking of advanced passive detection systems
Laboratory tests of TNIS



Testing, assessment, standards recommendations for x-ray and photofission
Organisation of "mobile checkpoints" field trial



Ethics monitoring

TNIS: Tagged Neutron Inspection System
NII: Non- Intrusive Inspection

End Users

User requirements for NII
technologies and assessment

Real environment test sites for
use cases:

- ◆ **Fully automated seaport**
Rotterdam , The Netherlands
- ◆ **Rapidly relocatable checkpoint for ports**
Gdansk , Poland
- ◆ **Mobile checkpoints**
Hungary

