



JIP CBRN within EFC



State of Play JIP CBRN



- The EDA steering Board established the JIP CBRN in spring within European Framework Cooperation as EDA contribution
- Contributing Members: AT, BE, CZ, DE, ES, IE, IT, FR, NL, PL, PT, SE and NO
- Budget 12 million EURO
- **Programme Arrangement signed 22 March 2012 by Ministers**
- Call 1 launch May 2012 and selection in Sept 2012
- 7 projects selected and contracts expected early 2013
- Call 2 preparation going on;
- Call 2 launch Spring 2013

Technical Topics JIP CBRN First Call



- Improved Stand off detection of Chemical threat agents
- Next generation point detection for Biological threat agents
- Simultaneous analysis of CBR agents (mixed samples)
- M&S of CBRN system architectures



JIP CBRN – Call 1 Selected Proposals



- **Stand off C detection**
 - AMURFOCAL (detection using amplified quantum cascade laser technology)
 - MICLID (detection using Mid Infrared LIDAR)
- **Next generation B point detection**
 - IPODS (detection using single cell MALDI-TOF mass spectrometry linked to a Quick Immune Detection System)
 - RAMBO (detection using combination of Surface Enhanced Raman Spectroscopy with Phages and PCR)
 - BIOTYPE (detection using lab-on-chip technology: Photonic Integrated Circuits)
- **European approach for mixed CBRN samples handling**
 - BFREE (development of validated procedures to separation and preparation of potential mixtures into distinct samples)
- **Modelling and Simulation of CBRN architectures**
 - MASC (development of CBRN protection architecture plug and play M&S tools)

Technical Topics JIP CBRN Second Call



- Next generation Collective Protection
- Next generation Individual protection
- Improved Decontamination
- CBRN Sensor networking

