

26.3.2015

# CROSS-BORDER RESEARCH ASSOCIATION (CBRA)

- **CBRA** was formally established in Lausanne, Switzerland in 2005; while first research activities started already in July/August 2001, at HEC University of Lausanne.
- **CBRA** is an independent research institute focusing on advanced supply chain security, crime prevention, risk management, cross-border trade and logistics, trade facilitation, coordinated border management, and public-private co-operation research, training and consulting - in the context of global supply chains .
- Other **CBRA**-competencies include international standardization work; development of quantitative economic models, including cost-benefit analysis; and development of e-learning applications.
- The **CBRA** research team is collaborating closely with HEC University of Lausanne in Switzerland, Riga Technical University in Latvia, University of Costa Rica in San Jose and a handful other top Universities and training institutes on worldwide basis.
- **CBRA** works with both public sector and private sector actors, while carrying out this research, for the benefit of business and government practitioners, policy makers and academics alike.

## CBRA RESEARCH ROLES AND TASKS

- Literature reviews, both academic and practitioner
  - Surveys and case studies
  - Compendium and book production
- Master plan development on supply chain security, trade facilitation, coordinated border management etc.
- User requirements collection and analysis
- Stakeholder analysis, both private and public sector
- Business process analysis and re-engineering
- Policy and regulatory impact assessments
- Supply chain security technology analysis
- Technology and policy roadmap development
- Trade, logistics and customs data analysis and modeling
  - Crime analysis
- Taxonomies on crime, regulatory violations etc.
- Security management models and tools, including 8-layer model and security performance measurement
- Governmental approaches in crime prevention and security
- Risk management and risk assessment approaches
- Standardization activities (national, CEN, ISO etc.)
  - Cost-benefit studies, including assessment of socio-economic impacts
- Illegal economic benefit and cost of compliance – models
- Simulation and optimization models and tools
  - Foresight scenario techniques
- Human resources and supply chain security management
- Workshop facilitation, including public-private workshops
- Awareness building and information observatories
- Information dissemination, including conference organization
  - e-learning solutions and services
  - Serious games for learning

Please contact us for further discussions – by email [cbra@cross-border.org](mailto:cbra@cross-border.org) , or by phone +41-76-5890967  
 Or, please visit [www.cross-border.org](http://www.cross-border.org) for more information on CBRA ; Please also check out our new Blog!!



# Topics of specific interest for CBRA - H2020 Secure Societies, Call 2015



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- **DRS-6-2015:** Crisis management topic 6: Addressing standardisation opportunities in support of increasing disaster resilience
- **DRS-14-2015:** Critical Infrastructure Protection topic 3: Critical Infrastructure resilience indicator - analysis and development of methods for assessing resilience
- **DRS-15-2015:** Critical Infrastructure Protection topic 4: Protecting potentially hazardous and sensitive sites/areas considering multi-sectorial dependencies
- **FCT-1-2015:** Forensics topic 1: Tools and infrastructure for the extraction, fusion, exchange and analysis of big data including cyber-offenses generated data for forensic investigation
  - **FCT-4-2015:** Forensics topic 4: Internet Forensics to combat organized crime
  - **FCT-16-2015:** Ethical/Societal Dimension Topic 4 - Investigating the role of social, psychological and economic aspects of the processes that lead to organized crime (including cyber related offenses), and terrorist networks and their impact on social cohesion
- **BES-5-2015:** Border crossing points topic 1: Novel mobility concepts for land border security
- **BES-7-2015:** Border crossing points topic 3: Optimization of border control processes and planning
- **BES-8-2015:** Supply Chain Security topic 1: Development of an enhanced non-intrusive (stand-off) scanner
  - **DS-3-2015:** The role of ICT in Critical Infrastructure Protection
  - **DS-4-2015:** Information driven Cyber Security Management

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## OTHER FUTURE PROJECT TOPICS AND THEMES

- Cargo crime (including cargo theft, smuggling of stolen goods)
- Customs fraud (including duty, VAT and excise fraud)
- Counterfeit crime (production, distribution, sales etc.)
- Global trade and logistics in illicit narcotics / drugs
- Illicit trade and logistics in endangered species (CITES)
  - Illicit trade and logistics in natural resources
  - Waste crime (including electronic waste)
  - Automotive crime (including anti-smuggling)
  - Pharmaceutical crime (including parallel trade)
- Trafficking of human beings and people smuggling
- Intentional violations in labor laws, working conditions etc.
  - Insurance fraud in global supply chains
  - Cybercrime in global supply chains
- False identities and identity theft in global supply chains

## OTHER FUTURE PROJECT TOPICS AND THEMES

- Corruption / bribery in global supply chains (business-to-gov.)
- Organized crime in global supply chains
  - Terrorism in global supply chains
  - Sea piracy in global supply chains
- Big data in crime prevention and detection
  - Air transport and airport security
- Maritime transport and sea port security
  - Rail transport security
- Road transport security (including secure parking areas)
- Postal operator and express courier security
- Authorized Economic Operator (AEO) –programs
  - Compliance management
  - Customs risk management
- Coordinated border management
  - Trade facilitation