

DG Migration and Home Affairs
DG Communication Networks, Content and Technology

DRS Topics

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DG HOME/B/4

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1. Crisis management and Civil Protection

Strengthen prevention and preparedness against natural and man-made disasters by underpinning an all-hazard approach to risk assessment across the EU; (3 topics: 1,3,6)

2. Disaster Resilience & Climate Change

Develop solutions, for climate change adaptation in areas potentially affected by more extreme weather events and natural disasters, such as for port cities, critical infrastructures, tourism (3 topics – 9,10,11)

3. Critical Infrastructure Protection

Build up community resilience and resilience of critical infrastructure, including against cyber-crime and cyber-terrorism (4 topics – 12, 13, 14, 15)

4. Communication interoperability

Facilitate disaster management, notably through communication technologies for crisis response actors and the linking of situational awareness centres; (1 topic - 18)

5. Ethical/Societal Dimension (1 topic - 22)

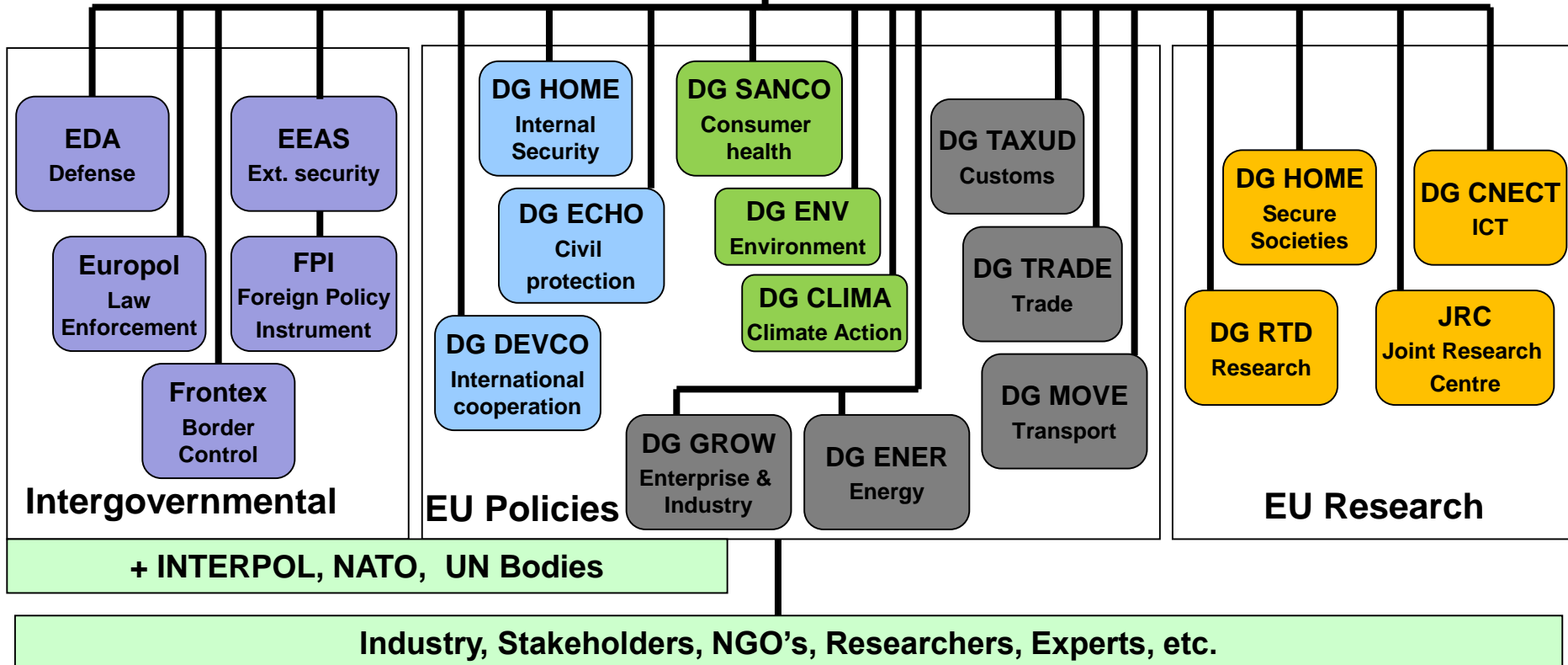
Budget: DRS9; 10; 11: 15; 3; 10 MEUR Rest of DRS: 54,33 MEUR



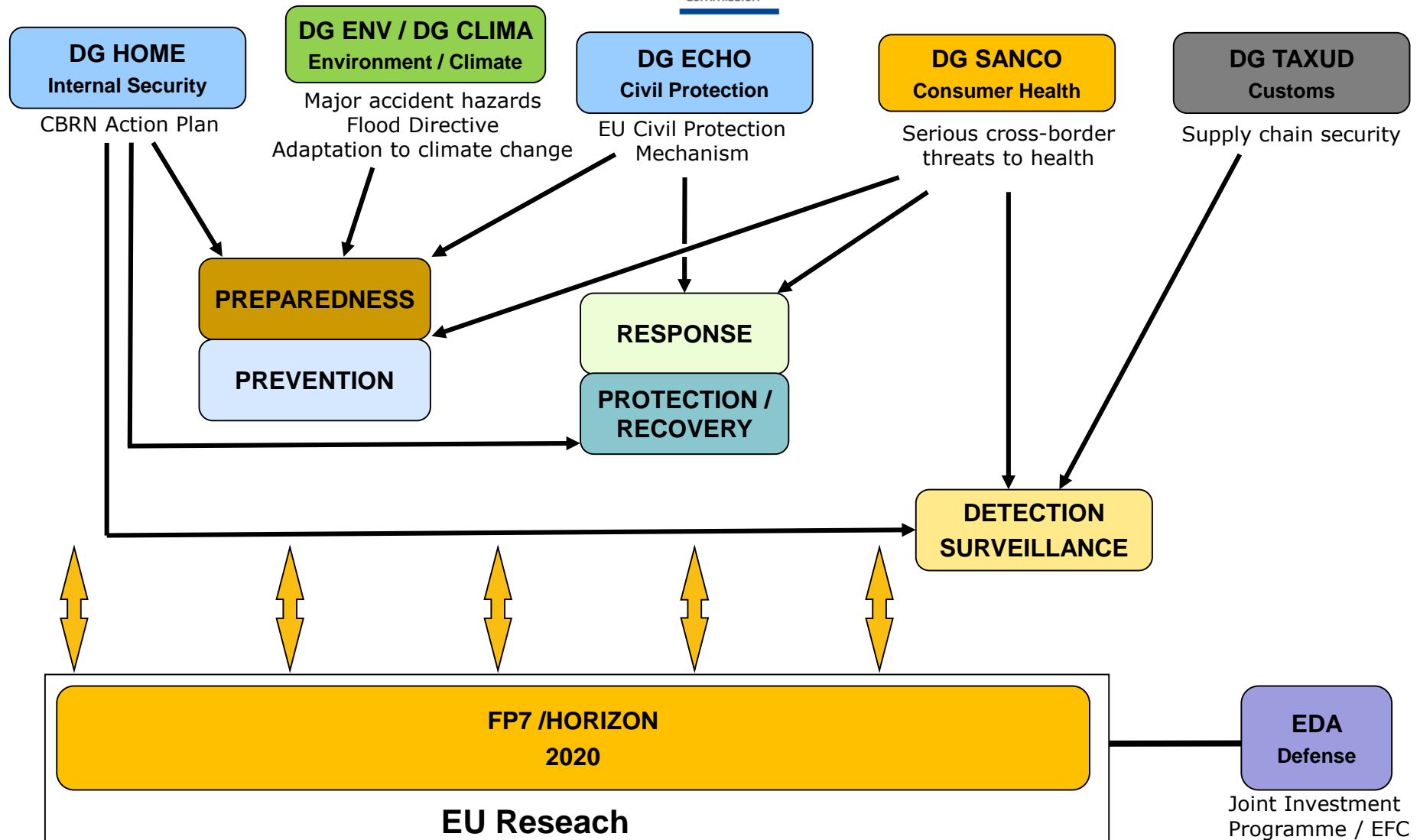


EU Bodies

Member States
(Committees)



Examples of links among policies and operational features





DG ECHO
Civil Protection

Decision 1313/2013
EU Civil Protection
Mechanism

DG ENV
Water threats

Directive 2007/60/EU
Flood Risk Management

DG CLIMA
CC adaptation

COM(2013) 216 final
EU Adaptation Strategy

DRS-1-2015

**Potential of current and new
measures and technologies
to respond to extreme
weather and climate events**

More effective and faster
emergency responses to
extreme weather and climate
events - **Innovative Action**
**EU tentative funding 5-12
MEUR**

Some key features:

- Focus on emergency operations
- Whole crisis management BUT
- Accent on warning / effective responses
- Public dimension + First responders involvement

UNFCCC + IPCC
COP-21

UN-ISDR
Sendai Framework
For Actions

"Post-HFA"



DG ECHO
Civil Protection

Decision 1313/2013
EU Civil Protection
Mechanism

DRS-3-2015

**Demonstration activity on large
scale disasters and crisis
management and resilience of EU
external assets against major
identified threats**

Increasing capacity to anticipate,
prepare and respond to disasters
outside the EU- **Innovative Action**
EU tentative funding 10-20 MEUR

Some key features:

- Building on existing tools of completed/on-going FP7+national projects
- EU deployable management capabilities in real situations
- International cooperation encouraged (UN-ISDR)
- Interoperability and dual use applications
- Health, environmental, climatic, legal and ethical aspects
- User's involvement (civil protection, first responders)
- Consideration of citizens, social networks, communication
- Linking policy, research and end-users
- Improving cooperation between science and society

UN-ISDR
Sendai Framework
For Actions

"Post-HFA"

External Security
Dual-Use



DG ECHO
Civil Protection

Decision 1313/2013
EU Civil Protection
Mechanism

DG HOME
Internal Security

CBRN Action Plan
And related
communications

DRS-6-2015

**Addressing standardisation
opportunities in support of
increasing disaster resilience
in Europe**

Assessment of feasibility and
impacts of standardisation
activities not identified in M487
mandate - **CSA**

EU tentative funding 1-2 MEUR

External Security
Dual-Use

Some key features:

- Improved technical, operational and interoperability of command, control and communication systems for crisis and disaster management OR
- Improved interoperability of detection equipment and tools in the areas of CBRNE
- Taking account of relevant legislation
- Avoiding duplication with current standards at European (CEN/TC 391) and international (ISO/TC 223) levels
- Checking current mandated work under M487 + ERNCIP activity on Workshop Agreements
- Target users (standardisation bodies, security agents, civil protection)

DRS: Critical Infrastructure Protection (1) 2015



DRS-12-2015: Critical Infrastructure Protection topic 1: Critical Infrastructure "smart grid" protection and resilience under "smart meters" threats

- ✓ Analysis of potential new threats generated by the massive introduction of "smart meters" the energy distribution networks, especially "smart grids"
- ✓ Studying and providing solutions in order mitigate the impact of "smart meters" on the current critical infrastructure security, improve resilience and reduce vulnerability to new threats, e.g. cyber attacks.
- ✓ Securing public and private critical networked infrastructures and services against new threats, taking into account urban areas implications
- ✓ Consideration of policy initiatives on Smart Meters and Smart Grids, in particular in the standardisation area.
- ✓ Type of action: **Research & Innovation Actions**
- ✓ **EU tentative funding 2- 5 MEUR**
- ✓ End users : Public bodies and industry.
- ✓ The outcome of the proposal is expected to lead to development up to Technology Readiness Level (TRL) 4

DRS: Critical Infrastructure Protection (2) 2015



DRS-13-2015: Critical Infrastructure Protection topic 2: Demonstration activity on tools for adapting building and infrastructure standards and design methodologies in vulnerable locations in case of natural or man-originated catastrophes

- ✓ More effective building standards and design methodologies for infrastructures and households located in vulnerable areas to achieve better resilience against threats (natural or man-made)
- ✓ Reduced socio-economic impact of catastrophes.
- ✓ Type of action: **Research & Innovation Actions**
- ✓ **EU tentative funding 3- 5 MEUR** & End users : public bodies.
- ✓ The outcome of the proposal is expected to lead to development up to Technology Readiness Level (TRL) 7

DRS: Critical Infrastructure Protection (2) 2015



DRS-14-2015: Critical Infrastructure Protection topic 3: Critical Infrastructure resilience indicator - analysis and development of methods for assessing resilience

- ✓ Application of common and thoroughly validated indicators, including economic indicators, could be applied to critical infrastructures in order to assess its level of "resilience". (energy grid, water supply, transport, communication, etc.)
- ✓ Testing at least four types of Cis
- ✓ Integrated concepts of resilience in interconnected infrastructures and cascading effects to be considered
- ✓ Type of action: **Research & Innovation Actions**
- ✓ **Funding : 3 ~ 5M** ; End users: public bodies and industry.
- ✓ The outcome of the proposal is expected to lead to development up to Technology Readiness Level (TRL) 4

DRS: Critical Infrastructure Protection (3) 2015



DRS-15-2015: Protecting potentially hazardous and sensitive sites/ areas considering multi-sectorial dependencies

- ✓ Analysis of risks and vulnerabilities of Seveso-type sites/areas against threats, considering multi-sectorial dependencies
- ✓ Better preparedness via improved protection response measures
- ✓ End users: security agents, civil protection units, decision makers for crisis management
- ✓ Type of action: Innovation Action
- ✓ EU tentative funding 3- 5 MEUR
- ✓ The outcome of the proposal is expected to lead to development up to Technology Readiness Level (TRL) 7



DRS-18-2015: Communication technologies and interoperability topic 1: interoperable next generation of broadband radio communication system for public safety and security

- ✓ Create an EU-interoperable broadband radio communication system for public safety and security, providing better services to first responders and police agencies and allowing shorter reaction times to prevent from more casualties or victims, deployed by 2025.
- ✓ Type of action: Coordination and Support Action (CSA).
- ✓ EU tentative funding 1- 2 MEUR
- ✓ Time frame : between 6 and 12 months.
- ✓ End users: public bodies and law enforcement. It is mandatory that a significant number of police forces and/or first responder agencies / services from at least 8 Member States or Associated Countries participate, so as to involve a broad commonality of needs.

DRS: Ethical and Societal Dimension 2015



DRS-22-2015: Impact of climate change in third countries ,on Europe's security

- ✓ Analysis of threats as arising from climate-driven crises in third countries
- ✓ Types of instruments, tools, actions that can be taken to address climate change security risks
- ✓ Most efficient ways to develop EU response to climate-driven crises outside the EU
- ✓ Examination of impact of climate-driven crises on European security
- ✓ Type of action: Coordination and support action
- ✓ EU tentative funding 1- 2 MEUR
- ✓ End users : Analysts and policy planners, public authorities