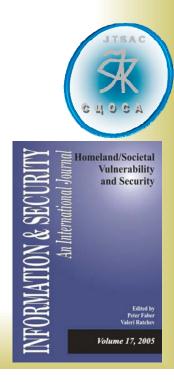


IT for Security Department



- Centre for Security and Defence Management



Our research point of view and agenda on Crisis Management and Disaster Response (CMDR)

- How to integrate crisis management and disaster response into national security strategy and policy:
 - i. New trend in security: The increased number of perceived threats, and a broadening in the object requiring security from the state (and national borders) to individuals, societies or critical life sustaining systems. What to include in the scope of crisis management (financial crisis?)
 - ii. How to make arrangements:
 - From 'war time' back to 'peace' 'Civil Defence', militarized;
 - From 'peace' towards 'a war' 'Civil Protection', civil service;
 - Different philosophy, architecture, focus, resources, ownership, impact on society.

Research agenda (2)

CB

Representation of the second s

- What is still 'domestic' in EU and NATO in terms of security;
- This is not only geographical but also political when we do CM preparations or management at home we **always** have in mind, relay on, and account both NATO and EU.
- Than what will be 'the first order' security defence or civil protection;
- We may have civil protection problem (second order) that if not managed properly, may lead to a first order security problem for the state and *vice versa*.

Research agenda (3)

CB

Why international co-operation is so important?

- 'Security through interdependence' is related to regional security complexes (RSC) - countries which security is so interconnected that they cannot reasonably be analysed or resolved apart from other (like Western Balkans, the Baltics, The South Caucasus)
- Different RSC different CMDR models and mechanisms;
- More differences, less effectiveness;
- Both NATO and EU do not have their own CMDR assets and depend on what the countries have – they are not able to compensate regional deficits, except through ...
- More co-operation, less differences, higher effectiveness.

Research agenda (4)



Why interagency approach is mandatory?:

Complexity of the Task and Environment

Multidimensional effects



Complexity of 'Self'

Heterogeneous entities



Complex Endeavor

Co-ordinated strategic management, joint operations, mutual support, community for CMDR

Research agenda (5)

CB

What a CMDR architecture?

- The ministries have more resources than local authorities, but the later are closer to the people.
- What are the effective benchmarks?
- Centralised? Ministry of emergency?
- Decentralised? what about resources?
- Balanced, but with focus on local authorities what role for the Government.

Research agenda (6)

CS

3 How to train effectively?

- Leaders,
- Large staff,
- Population,
- Using modeling and simulations

Our portfolio:



- Representation of the evolving comprehensive approach
- Support to training
- Related research activities
- Knowledge dissemination
- Maintain competitive advantages

Foresight

03

- FOCUS (FP7, 2011-2013) Foresight Security Scenarios: Mapping
 Research to a Comprehensive Approach to Exogenous EU Roles (with 13 participants from 8 countries) http://www.focusproject.eu
- Our contribution
 - Context Scenarios and Alternative Future EU Roles as a Global Security Actor
 - Analytical support to foresight the EU roles as a Global Security Actor
 - Evaluating the Cross-impact of EU Functions as a Global Actor and Protector of Critical Infrastructures and Supply Chains
- Forthcoming research: The evolving concept of security: A critical evaluation across four dimensions (EvoCS, FP7, 2014-2015)

Crisis Management systems & CIP

Experience:

- From National to Societal Security: Scientific Support to Effective Transformation of the Security Sector
- Civil Security Architectural Approach in Emergency Management Transformation
- Methodology for Modeling, Analysis of Critical Infrastructure, Identification of Interdependencies, Assessment of Vulnerability and Planning of Capabilities for Protection
- Chrishope a GMF project for consequence management and early recovery reference model development in the GBSA (2011)
- Forthcoming: DRIVER DRiving InnoVation in crisis management for European Resilience, aiming to provide:
 - European testbed for CM capability development
 - well-balanced comprehensive portfolio of CM tools
 - shared understanding of Crisis Management, share capabilities and collaborate across Europe
 - an evidence-base for CM capability investment decisions
 - 38 partners, 4.5 years (starting in early 2014)

Policy support



- Awareness of cyber risks and threats
- Defining capability requirements and assignment of responsibilities
- □ Defining 'Rules of Engagement'
 - Including preservation of human rights and freedoms
- Coordination & Cooperation
 - Operations, Training
 - Capabilities development
- Allocation of resources
- Representation of transparency, accountability, integrity

Capability development



- Methodology for capability-based planning in defence
- Advances in application across the security sector, in an interagency setting
- Implementation of capability development plans in a strategic security and defence management framework





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Security & Defence Management



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Terms

Abbreviations

Partners

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Relax

Security Policy

Strategy

Concepts&Doctrine

Defence Review

Defence Economics

Management

Good Governance

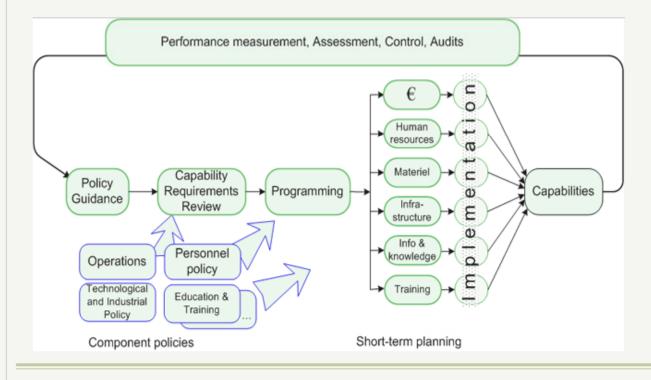
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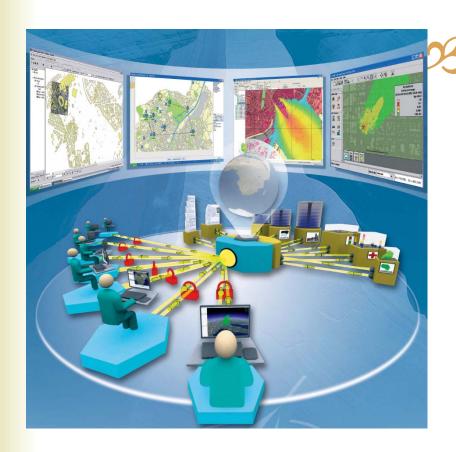
Specific topics



- Integrity, transparency and accountability in the management of public investments
- Gaming: training senior and mid-level personnel in policy making and programme-based capability development ('G.S. Rakovski' DSC, Ukraine, South Caucasus, contribution to the EDA game)
- Complex mathematical models, e.g. forest fires

Illustrations from projects and exercises

NATO RTO MSG-049



M&S System for Emergency Response Planning & Training







SKIPASS

http://www.civilprotectionskipass.eu/

Mountain Patrols Safe System for Integrated Disaster Management System





- ☐ Best practices IDMS SWOT Analysis;
- ☐ IDMS Handbook;
- ☐ IDMS real systemimplementation.



CHRISHOPE

http://www.cseea.ro/crishope/

Legal aspects development/ harmonization for disaster relief, early recovery and risk reduction Strategies, policies and capabilities & operational/ management arrangements for disaster resilience

Noninstitutional
actors active
involvement in
disaster
recovery and
relief

CHRISHOPE HUB

Better institutional/non-institutional arrangements in GBSA for achieving better bi-/multilateral disaster relief, early recovery and risk reduction

> Regional Center for Information Exchange on Consequence Management and Early Recovery in GBSA

CHRISHOPE Reference Model

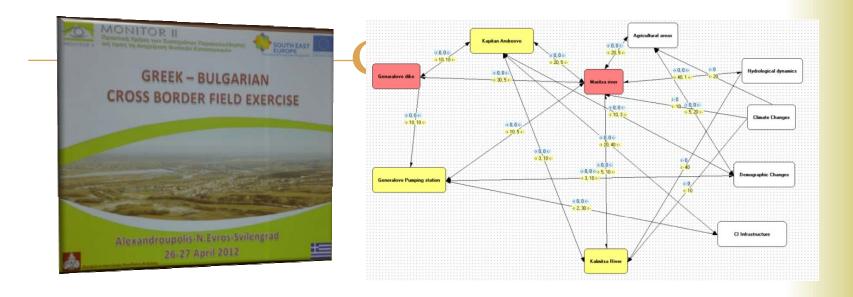




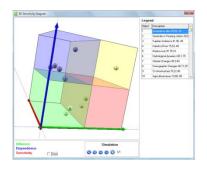


MONITOR II

http://www.monitor2.org







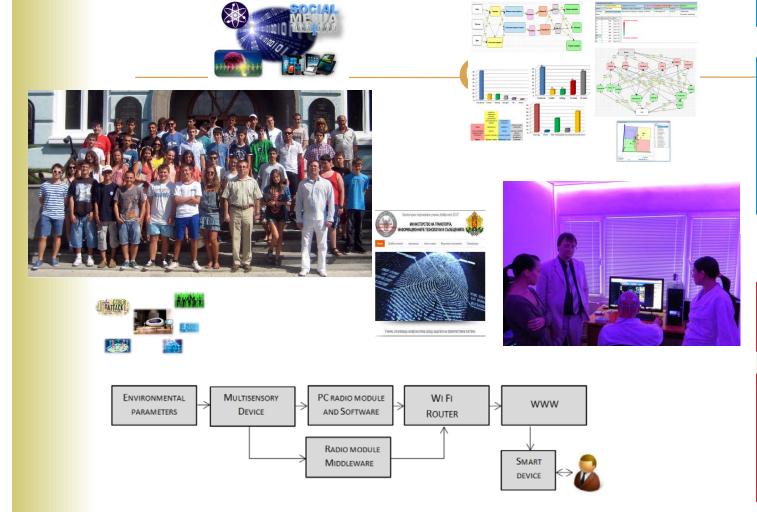


Particiapating SEE countrntries: Austria, Bulgaria, Greece, Italy, Romania, Slovenia, Serbia



SOME CYBERSECURITY

ACTIVITIES











Knowledge Dissemination

CB

- Information & Security: An International Journal,
 - http://procon.bg/view-volumes
 - v.28: Critical Infrastructures Safety and Security
 - v.27: C4ISR in the Comprehensive Approach, Guest Editor: George D'holander, NC3A (NCIA) General manager
 - v.17: Homeland/ Societal Security, etc.

Competitive advantages



- Combination of sound research with decision-making and management experience at most senior governmental levels
- Solid network of national and international partners, both in research and high-tech business

Conclusion: a common set of questions

- What should a holistic crisis management concept consist of? What institutions, structures and processes are needed to ensure effective coordination and cooperation in the case of crisis at national level?
- What current challenges and emerging questions do crisis organizations face in case of strategic crisis where national inter-agency crisis management is needed?
- ∼ What are the new approaches to crisis preparation and crisis responses regarding inter-agency crisis management concepts?
- country crisis management?

Amb. Valeri R. RATCHEV, col. (ret.) Centre for Security and Defence Management, IT for Security Department ratchevv@yahoo.com

Professional career: Army officer (32 years, colonel, res.), including National Security Studies Center deputy, Defence Planning Directorate deputy, Rakovski Defence and Staff College deputy and dean of National Security and Defence Faculty; Ambassador to Iraq (since 2005 and recently); Chief of Staff of Defence Minister; Chief of Staff of Foreign Minister; expert at the Center for Security and Defence Management (Bulgarian Academy of Sciences).

<u>Expertise</u>: national and international security, defence management, civilmilitary relations, integrity and defence institution building, parliamentary control of security sector organisations, security sector reform, geopolitical studies of EE and Black Sea.

Education & qualification: Artillery Academy (5 years); Artillery War College, (3 years), George C. Marshall Center, G-P (6 months), Istituto Affari Internazionali, Rome (3 months), Institute for Social Science, Ann Arbor (45 days).