

# Zpráva o mezinárodním jednání k projektu FOCUS

Dne 31.5.2011 se uskutečnily v Bruselu 3 akce k projektu FOCUS

- EU Security Research Project FOCUS, Launch Symposium
- Workshop meeting - WPs leaders
- Project Management Team (PMT) Meeting

Doc. RNDr. Dana Procházková, DrSc. přednesla referát “NATURAL DISASTERS AND ENVIRONMENT-RELATED HAZARDS with a focus on comprehensive risk reduction, civil protection and reconstruction. Qualitative and Quantitative Scenarios”

**NATURAL DISASTERS AND ENVIRONMENT-RELATED HAZARDS**  
with a focus on comprehensive risk reduction, civil protection and reconstruction  
Qualitative and Quantitative Scenarios

FOCUS Launch Symposium  
31 May 2011  
Crowne Plaza Hotel Brussels

Foresight Security Scenarios

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## Scenario and its aim

- **A scenario** is a synthetic description of an event or series of actions and events.
- **Scenario development** is used in organisational development and generally, when organisations wish to test strategies **against uncertain future developments**.
- **Scenarios are widely used** by organisations of all types to **understand different ways that future events might unfold**.
- The scenario planning or scenario analysis is a complex business process related to future studies.
- Therefore, scenarios should *not* be used to speculate on what has happened in the past but **“a story about what happened in the future”**.

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## Type of scenarios prepared in FOCUS

- **Scenarios of disasters** – not only for natural and technological disasters but also for others that we include to term „ALL HAZARDS APPROACH“ and in all case we include the substantial vulnerabilities in human system.
- **Scenarios of actions** (procedure of application of prevention, mitigation, response and renewal measures and activities).
- **Special response scenarios** against to highly emergency, critical and catastrophic situations that could lead to social crisis.

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Lesson learned from earthquake and tsunami in Japan on March 11, 2011.

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<http://www.focusproject.eu>

### THANK YOU FOR ATTENTION!

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## DISASTERS – all hazards approach

### List of disasters:

1. Disaster types being results of processes in and out of the Earth.
2. Disaster types being results of processes in human body, behaviours and in human society.
3. Disaster types connected with human activities.
4. Disaster types being results of processes that are reactions of Planet or environment to human activities.
5. Disaster types being results of processes connected with inside dependences in human system and its surrounding.

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## Disaster types being results of processes in and out of the Earth

- natural disasters:
  - earthquake
  - floods
  - drought
  - windstorm - strong wind, tornado, hurricane
  - volcanic activity
  - land slide
  - rock slide
  - etc.
- epiphytic
- epizootic
- land erosion
- desertification
- fundament liquefaction
- ocean spreading
- etc.

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## Disaster types being results of processes in human body, behaviours and in human society

- unintentional:
  - illnesses
  - epidemic
  - involuntary human errors
  - etc. – refill real ones
- intentional:
  - robbery
  - killing
  - victimization
  - religious and other intolerance
  - criminal acts
  - terrorist attacks
  - local and other armed conflicts
  - etc.
- disused technologies:
  - facebook,
  - twitter,
  - internet, CBRNE scatter

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## Disaster types connected with human activities

- incidents
- near miss
- accidents
- infrastructure failures
- technology failures
- loss utilities
- etc.

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## Disaster types being results of processes that are reactions of Planet or environment to human activities

- man-made earthquakes
- disruption of ozone level
- greenhouse effect
- fast climate variations
- contaminations of air, water, soil and rock
- desertification caused by human bad river regulation
- drop of diversity of animal and vegetal variety
- fast human population explosion
- migration of great human groups
- fast drawing off the renewable sources
- erosion of soil and rock; land uniformity
- etc.

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## Disaster types being results of processes connected with inside dependences in human system and its surrounding

- **natural:**
  - stress and movements of territorial plates
  - water circulation in environment
  - substance circulation in environment
  - human food chain
  - planet processes
  - interactions of solar and galactic processes
  - etc.
- **human established:**
  - human society management
  - flows of raw materials and products
  - flows of energies
  - flows of information
  - flows of finances
  - flows of waste and waste water
  - flows of water
  - transport
  - etc.