



Government of the Republic of Macedonia

RISK ASSESSMENT AND THE NATIONAL PLATFORM FOR DISASTER RISK REDUCTION

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SEEDRMAP Risk Assessment and its importance for Macedonia

The 2008 UNISDR / WB Risk Assessment Desk Review for South East Europe



THE FINDINGS OF THE RISK ASSESSMENT TRIGGERED HIGH LEVEL POLITICAL INTEREST IN THE REGION & MACEDONIA

- The importance of coordinated transboundary policies to achieve cost-effective investments in disaster risk reduction policies and programmes.
- It contributed to shift the attention of national policy makers from emergency-response to an active risk reduction approach in disaster management.
- It contributed at showing to policy makers the costs of not investing in DRR nationally and regionally
- Helped the implementation of HFA in Macedonia promoting the importance of DRR in the national political agenda and investment strategies
- **By emphasizing the need for reliable Risk Assessment, it triggered the review of the existing Risk Assessment Methodologies in Macedonia**

PLANNING WITHIN THE POLITICAL LEVEL OF THE NATIONAL PLATFORM FOR DRR

NATIONAL COORDINATOR

STEERING COMMITTEE (MANAGED BY: MINISTER OF INTERIOR)

REPRESENTATIVE
OF PARLIAMENTARY
COMMITTEE

NATIONAL SECURITY
ADVISER TO
THE PRESIDENT

MINISTERS

DIRECTORS
OF THE
CMC & RPD

REPRESENTATIVE
OF LOCAL
AUTHORITIES

COUNCIL OF STATE SECRETARIES

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NORMATIVE-LEGAL HARMONIZATION

FINANCES, INSURANCE &
PROCUREMENTS

HUMAN RESOURCES

INFO-NETWORKING,
RESOURCES REGISTER

STANDARDIZATION

TERMINOLOGICAL UNIFICATION

PUBLIC RELATIONS
AND PUBLIC AWARENESS

INTERNATIONAL FUNDS ACCESS UNIT

INTERNATIONAL COOPERATION

LOCAL (MUNICIPAL)
COUNCIL OF THE NP DRR

REGIONAL COUNCIL OF
THE NP DRR

INSPECTORAL COUNCIL

HEADED BY :
MINISTER OF JUSTICE

MADE UP BY:
HEADS OF INSPECTION
AGENCIES

COORDINATION COUNCILS OF SPECIALIZED PLATFORMS

P1	RISKS RELATED TO INFRASTRUCTURE
P2	HEALTH RELATED RISKS
P3	HAZ-MAT RISKS
P4	ENVIRONMENTAL RISKS
P5	INDUSTRIAL HAZARARDS
P6	RISKS RELATED TO AGRICULTURE, FORESTRY & WATER MANEGEMENT
P7	RISKS RELATED TO MATERIAL CULTURAL HERITAGE

PROCESS OF DEVELOPMENT OF RELIABLE RISK ASSESSMENT METHODOLOGIES

A major review of existing methodologies in Macedonia has shown the **need for reliable methodological tools** for risk assessment.

International call for creation of guidelines for the development of Risk Assessment Methodologies.

Guidelines for Development of Methodologies for Assessment of Risks and Hazards and their Implications (prepared by ECILS*).

The next step: based on the ***Guidelines***, to develop **3 types of methodologies**:

**RISK ASSESSMENT
METHODOLOGIES &
RISK CONSEQUENCE
ASSESSMENT
METHODOLOGIES**

**RISK MAPPING
METHODOLOGIES**

**RISK MONITORING
METHODOLOGY**

* European Center on Vulnerability of Industrial and Lifeline Systems

METHODOLOGIES

RISK ASSESSMENT METHODOLOGIES & RISK CONSEQUENCE ASSESSMENT METHODOLOGIES

Within the context of each
of the platforms

➔ Risk assessment method.
related to occurrence of
phenomena implying risk

➔ Community resilience &
vulnerability assessment
methodology

➔ Competent Institutions'
capacity assessment
methodology

➔ Escalation
assessment methodology

➔ Respond assessment
methodology

➔ Financial implications'
assessment methodology

RISK MAPPING METHODOLOGIES

➔ Methodology for
determining the
location (WHERE?)

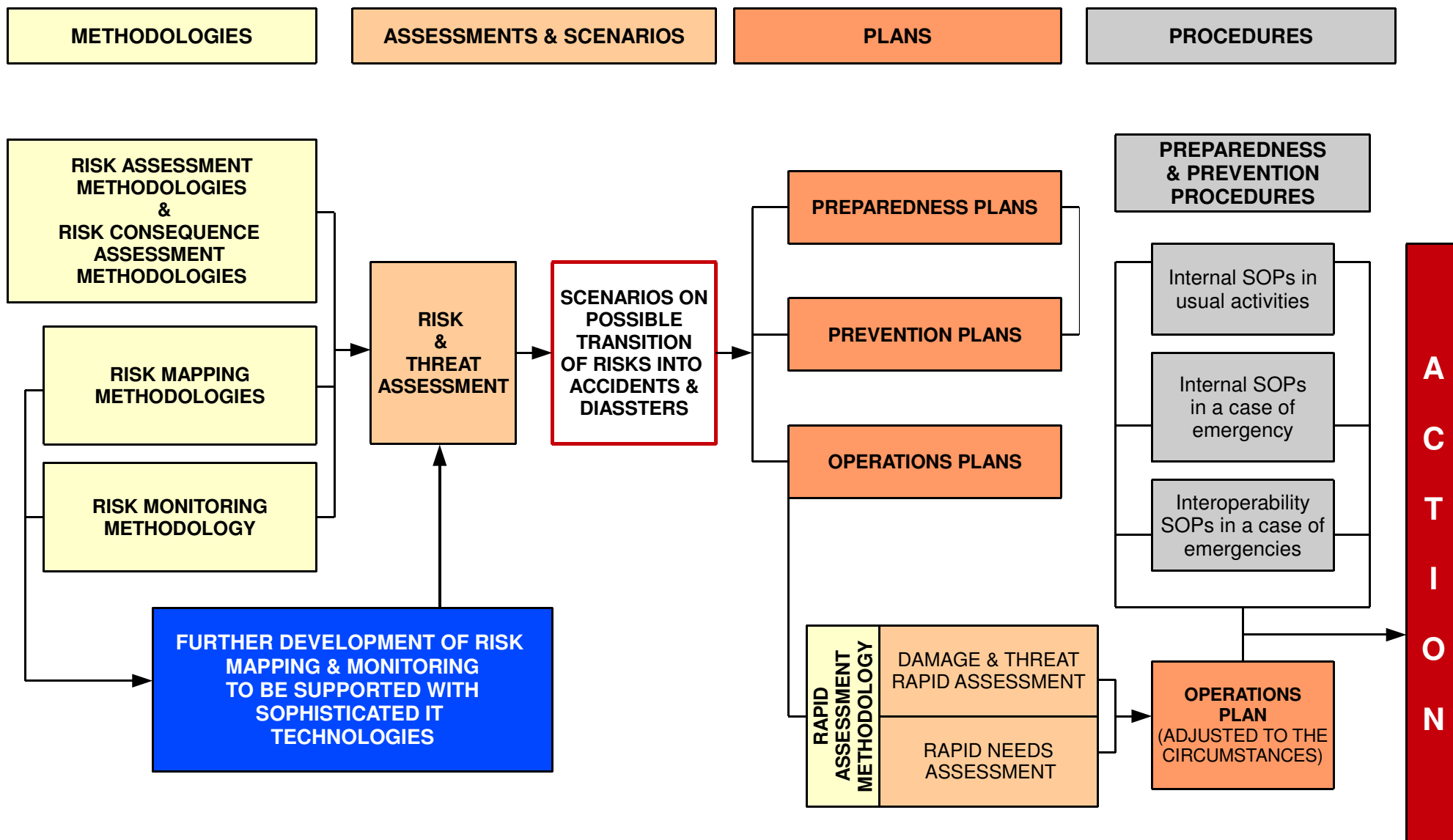
➔ Methodology for
determining the
circumstances leading
to the phenomena
implying risk (HOW?)

➔ Methodology for
determining the expected
intensity (HOW MUCH)

RISK MONITORING METHODOLOGY

➔ Methodology for
monitoring the critical
factors that imply, both
individually and in
combination, a risk
pertaining to the
occurrence of a disaster

DISASTER RISK REDUCTION – METHODOLOGIES, ASSESSMENTS, SCENARIOS, PLANS & S.O.P.
(IN THE CONTEXT OF EACH OF THE SPECIALIZED PLATFORMS)



FROM METHODOLOGIES THROUGH RISK ASSESSMENT TO RISK SCALE DETERMINATION : A MODEL

RISK ASSESSMENT & RISK CONSEQUENCE ASSESSMENT METHODOLOGIES (within the context of each of the platforms)



ESCALATION ASSESSMENT METHODOLOGY



EMERGENCY / CRISIS ESCALATION SCALE

SITUATION NORMAL

ISOLATED INCIDENT
(ACCIDENT)

MUNICIPAL LEVEL EMERGENCY

ENGAGEMENT OF
ADDITIONAL LOCAL
RESOURCES &
PROCEDURES
DIFFERENT FROM
THE USUALLY
NEEDED

REGIONAL LEVEL EMERGENCY

THE LOCAL NP DRR
COUNCIL DECLARES
INSUFFICIENT LOCAL
RESOURCES OR THE
RANGE OF THE EVENT
IS BEYOND THE
MUNICIPAL BORDERS

NATIONAL LEVEL EMERGENCY/CRISIS SITUATION

NEED FOR ACTIVATION OF
ALL NATIONAL RESOURCES
THE NP DRR STEERING
COMMITTEE SUBMITS A
PROPOSAL TO THE
GOVERNMENT FOR
PROCLAIMING CRISIS
SITUATION IN A PART OR
ON THE ENTIRE TERRITORY
OF THE COUNTRY



RISK LEVELS

TO BE DETERMINED FOR EACH EMERGENCY/CRISIS LEVEL: MUNICIPAL, REGIONAL, NATIONAL

SPECIALIZED PLATFORMS
& COMPETENT MINISTRY IN CHARGE OF COORDINATION



NO RISK

RISK LEVEL
LOW

RISK LEVEL
ELEVATED

RISK LEVEL
HIGH

RISK LEVEL
CRITICAL

THANK YOU