MOBIUS
THE RISK MANAGEMENT COMPANY



HAZARD RISK MANAGEMENT

MOBIUS Hazard Risk Management

Informed decisions.
Risks under control.

We support the management of risk assets at the level of a locality, region or county, bringing together monitoring, collaboration and geographic representation.

A Mobius Software web application for assessing, monitoring and coordinating risk management in a territorial context, with WEB GIS representation.

MOBIUS SOFTWARE · PRODUCT BROCHURE

OVERVIEW · DECISION SUPPORT AND MONITORING

A common picture of risks and assets

The solution manages the physical assets exposed to risk and supports monitoring of the elements, causes and trigger levels that need to be tracked. The way of working can bring together several organizations, each with its own roles and responsibilities, in a collaborative, procedure-based framework.

Centralized

Information and assets in a common environment.

Geographic

Risks visualized in a territorial context, on the map.

Coordinated

Role- and procedure-based participation.

Territorial
locality, region or county

Collaborative
procedures, roles, responsibilities

WEB GIS
visual representation of risks

Notifications
and simulation components

THE OPERATIONAL CYCLE

Location
assets and zones
1

Identification
risks and causes
2

Assessment
probability and impact
3

Monitoring
factors and thresholds
4

Decision
measures and responsibilities
5

Information follows a coherent path, from territory to decision, along the procedures and roles of each participating organization.

THE ORGANIZATION'S CHALLENGES

Questions answered within the same application

Hazard turns the everyday questions of decision-makers and participating organizations into verifiable information, in a territorial context.

"Which assets in the territory are exposed to risk?" HAZARD

Answer in the platform: Physical assets are organized by type (for example localities, administrative-territorial units, roads, railways, healthcare facilities, power grids, water sources) and appear on the map, with their list alongside.

"How likely and how serious is each risk?" HAZARD

Answer in the platform: Each risk associated with an asset is assessed against criteria (Probability and Impact, on a scale of 1–5) and placed in a hazard classification, for example natural risks or fire risks.

"Who is responsible and what measures are taken?" HAZARD

Answer in the platform: For each risk, the persons responsible and the associated measures are recorded and tracked within the established procedures, including across different organizations.

"What do we monitor and when does the risk level change?" HAZARD

Answer in the platform: Monitoring tracks the relevant factors, and trigger levels record the thresholds that can signal a change in the risk level. The application sends notifications.

"Where are the affected areas and what happens if...?" HAZARD

Answer in the platform: WEB GIS layers (floods, landslides, climate risks, nuclear risk, polluted areas) show the affected areas, and simulation and event reports support the analysis.

MOBIUS HAZARD RISK MANAGEMENT

From inventorying exposure to tracking measures

Risk information is organized around physical assets and operational responsibilities.

01 Physical assets

Managing exposed assets at the level of a locality, region, county or other administered territory, by asset type.

02 Risk assessment

Documenting the probability, impact and classification of the risks associated with each asset.

03 Contexts and effects

Organizing the causes, contexts of occurrence and effects that support operational analysis.

04 Responsibilities

Assigning the specific roles and responsibilities of the organizations involved in risk management.

05 Measures

Defining the measures associated with identified risks and tracking them within the established procedures.

06 Monitoring

Tracking the relevant factors and the evolution of the information needed to support decisions.

07 Trigger levels

Recording the thresholds and conditions that can signal a change in the risk level.

08 WEB GIS integration

Connection with WEB GIS systems for the visual representation of risks and affected areas, by layers.

A RISK ASSOCIATED WITH A PHYSICAL ASSET

A risk record in MOBIUS Hazard

Each risk is associated with a physical asset and can be tracked across all its dimensions, from assessment to documents, in a single record.

1 Assessment
Criteria: Probability (1–5) and Impact (1–5).

2 Contexts of occurrence
The conditions and causes in which the risk may arise.

3 Effects
The possible consequences for the asset and the territory.

4 Responsible parties
The organizations and roles involved in risk management.

5 Measures
The measures associated with the risk and their tracking.

6 Monitoring
The factors and information tracked over time.

7 Triggers
The thresholds and levels that signal a change in risk.

8 Documents
The documents associated with the risk, in one place.

Assessment and classification

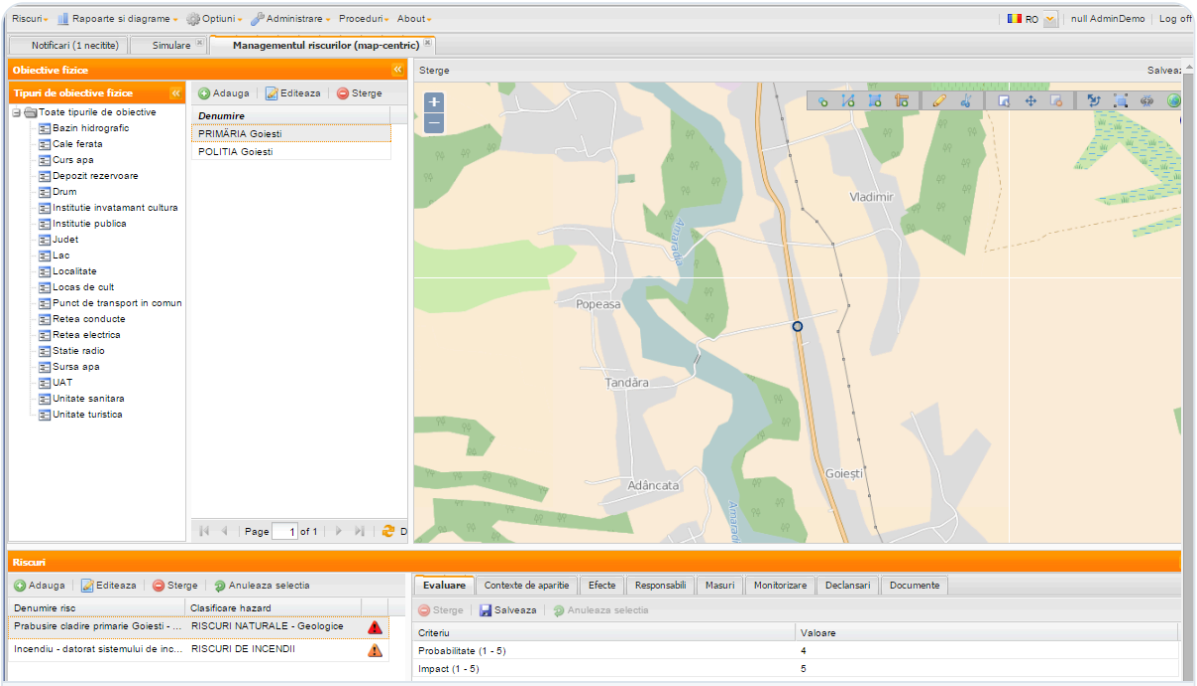
Probability (1–5) · Impact (1–5) · Hazard classification · Natural risks – geological · Fire risks

Notifications, simulation and reports

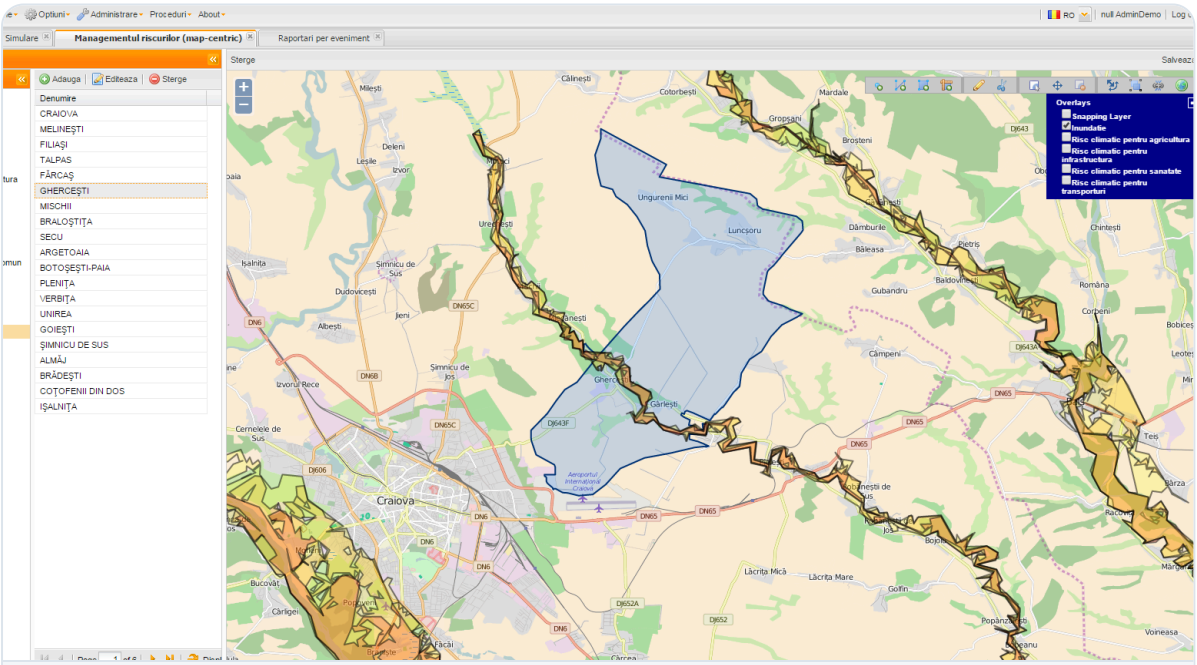
The application includes notifications, simulation components and event reporting, along with reports and charts, administration options and procedures.

APPLICATION SCREENSHOTS

Risks and assets, in a geographic context



Physical assets and risks. Asset types, the map and risk assessment (probability and impact).



Territorial representation. Zones and risk types, with switchable layers (overlays): floods, climate risks, nuclear risk and others.

MULTI-ORGANIZATIONAL OPERATION

Participants work in the same operational picture

Risk management frequently involves several organizations. MOBIUS Hazard Risk Management supports their collaboration through roles, responsibilities and procedures adapted to the context.

TERRITORY	Data organized around physical assets and the territory.
ORGANIZATIONS	Distinct responsibilities for the participating organizations.
PROCEDURES	Procedures that can cross the boundaries of a single organization, with links between assessments, measures, monitoring and documents.

HOW IT WORKS

Record assets and territorial data — 1

Assess probability and impact — 2

Distribute roles and responsibilities — 3

Monitor causes, factors, thresholds — 4

Decide measures and intervention — 5

Risk becomes easier to understand when assets, causes, effects and responsibilities are visible in the same territorial context.

Territorial context

Assets and risks located on the map, with geographic risk layers.

Operational picture

Data brought together to support decisions, by organizations with coordinated roles.

CONFIRMED FIELDS OF APPLICATION

A solution for contexts where coordination is essential

Emergency situations
Implementations at county committee level for managing territorial risks.

The oil industry
Use in industrial contexts where physical assets and risks must be tracked in a coordinated way.

Epidemiological monitoring
Integration with epidemiological simulation and modeling components to support analysis.

Infrastructure and services
Configurable asset types, from localities and roads to networks, water sources and healthcare facilities.

Types of physical assets (examples from the application)

Locality · UAT · County · Road · Railway · Power grid · Pipeline network · Water source · River basin · Watercourse · Lake · Dam · Healthcare facility · Public institution · Tourist facility · Industrial facility with chemical hazard · Potentially polluted area

INTEGRATION IN THE MOBIUS SOLUTIONS ECOSYSTEM

Data, Document & Workflow
Documents, procedures and measures associated with risks, in folders with metadata and versions.

Smart SCIM · BSC · GRC
Risk integrated into internal managerial control, with objectives and indicators.

MOBIUS UEAM
Assets and infrastructure, with maintenance and geospatial dispatch.

Automation & AI
IT audit and on-premise AI solutions for analysis and automation.

OUR INVOLVEMENT AT EVERY STEP

Guided implementation, from procedures to day-to-day use

The Mobius team accompanies the participating organizations from establishing procedures to training users and supporting operation.

E1 — E2 — E3 — E4 — E5

STAGE	WHAT WE DO	RESULT
E1 · Analysis and proceduralization	Identifying assets, risks and participating organizations; establishing working procedures.	Clear roles and procedures
E2 · Configuration	Types of physical assets, hazard classifications, assessment criteria, roles and access rights.	A system aligned with the organization
E3 · Territorial data and GIS	Loading assets and integrating the WEB GIS layers relevant to the territory.	A unified territorial picture
E4 · Procedures and notifications	Responsible parties, measures, monitoring, trigger levels and notifications.	An active operational cycle
E5 · Training and support	Training for users and administrators; usage assistance.	Autonomous users

Web application

Accessible from the browser, with no installation on users' workstations, with configurable roles and rights for each participating organization.

MOBIUS
THE RISK MANAGEMENT COMPANY

LET'S START NOW

Visible assets. Risks under control.

We accompany you from establishing procedures and configuring assets to the day-to-day use of the application.

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