

Risk assessment \*

Hazard assessment

Flooding area / inundation depth / drag (depth x velocity)

Exposure assessment

Elements present in hazard zones

Vulnerability assessment

Sensitivity / resilience of exposed elements

Disaster risk management \*

Hazard Reduction RRM

- Engineering based.
- Nature-based.

Exposure Reduction RRM

- Engineering based.
- Nature-based.
- Coastal/urban planning and architectural.
- Social and institutional.
- Emergency planning (early warning systems and evacuation).

Vulnerability Reduction RRM

- Risk mapping and assessment.
- Coastal planning and architectural.
- Social and institutional capacity.

Pre-event risk reduction measures

\* For a specific spatial and time scale.