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FACULTY OF ENGINEERING BILBAO
UNIVERSITY OF THE BASQUE COUNTRY

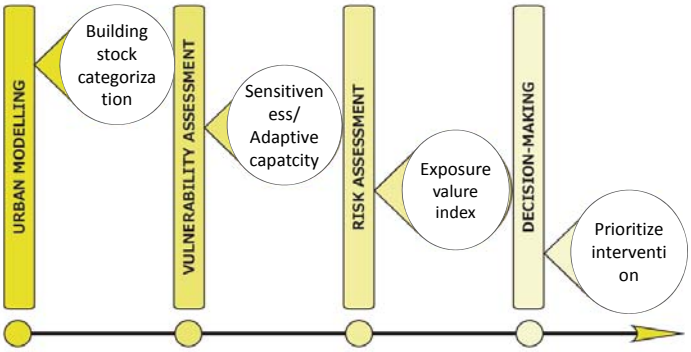
Validation of a multi-criteria decision making methodology for vulnerability assessment and prioritization of emergency actions

Leire Garmendia[1], Alessandra Gandini[2], Ignacio Piñero[2], Jesús Cuadrado[1], Eduardo Rojí[1], Marta Olazabal[3]

[1] University of the Basque Country UPV/EHU. Faculty of Engineering in Bilbao.
[2] TECNALIA. Sustainable Construction Division.
[3] Basque Centre for Climate Change BC3

1. Objective

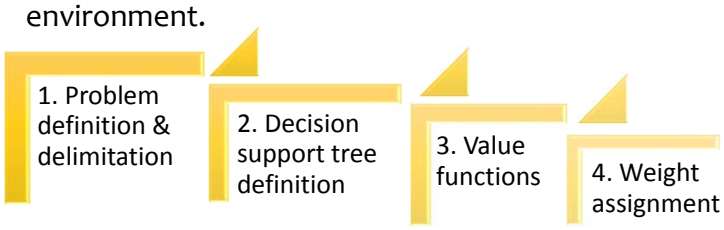
- ✓ To develop a comprehensive tool for decision making
- ✓ To facilitate vulnerability assessment of the built environment
- ✓ To prioritize emergency actions

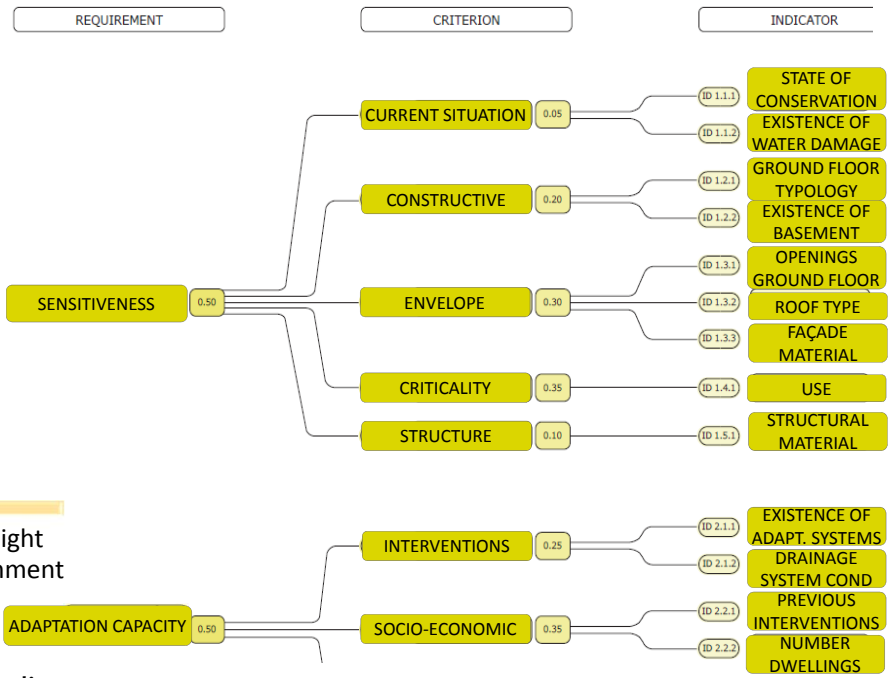


2. Methodology

MIVES - Integrated Value Model for Sustainability Assessment

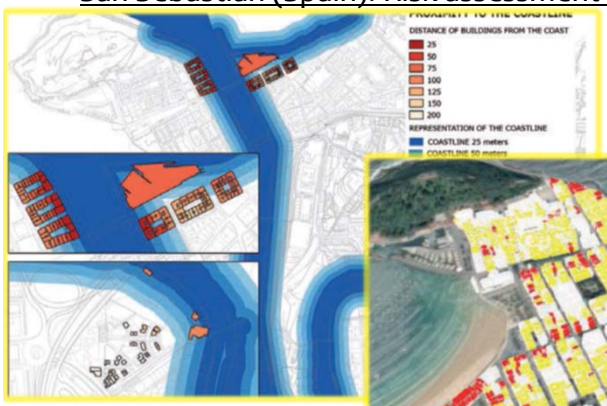
- ✓ A deterministic multi-criteria decision methodology for vulnerability assessment of urban areas and prioritization of emergency actions.
- ✓ Supported by multilevel indicators in an uncertainty context to facilitate an informed decision making.
- ✓ Considers all constructive elements and buildings' characteristics as part of the urban environment.



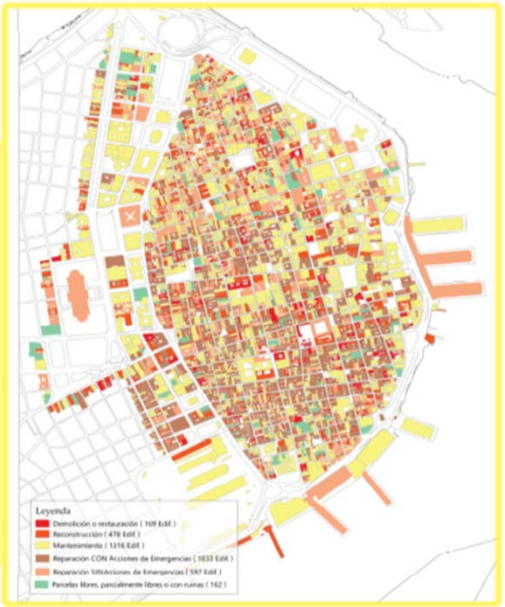


3. Validation. Case studies

San Sebastian (Spain): Risk assessment of flooding events



Havana (Cuba): Emergency actions prioritization



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