

Maritimity and habitability of large Mediterranean coastal cities

Maritimité et habitabilité des grandes villes littorales méditerranéennes



Maritimity and habitability : adaptation to coastal risks

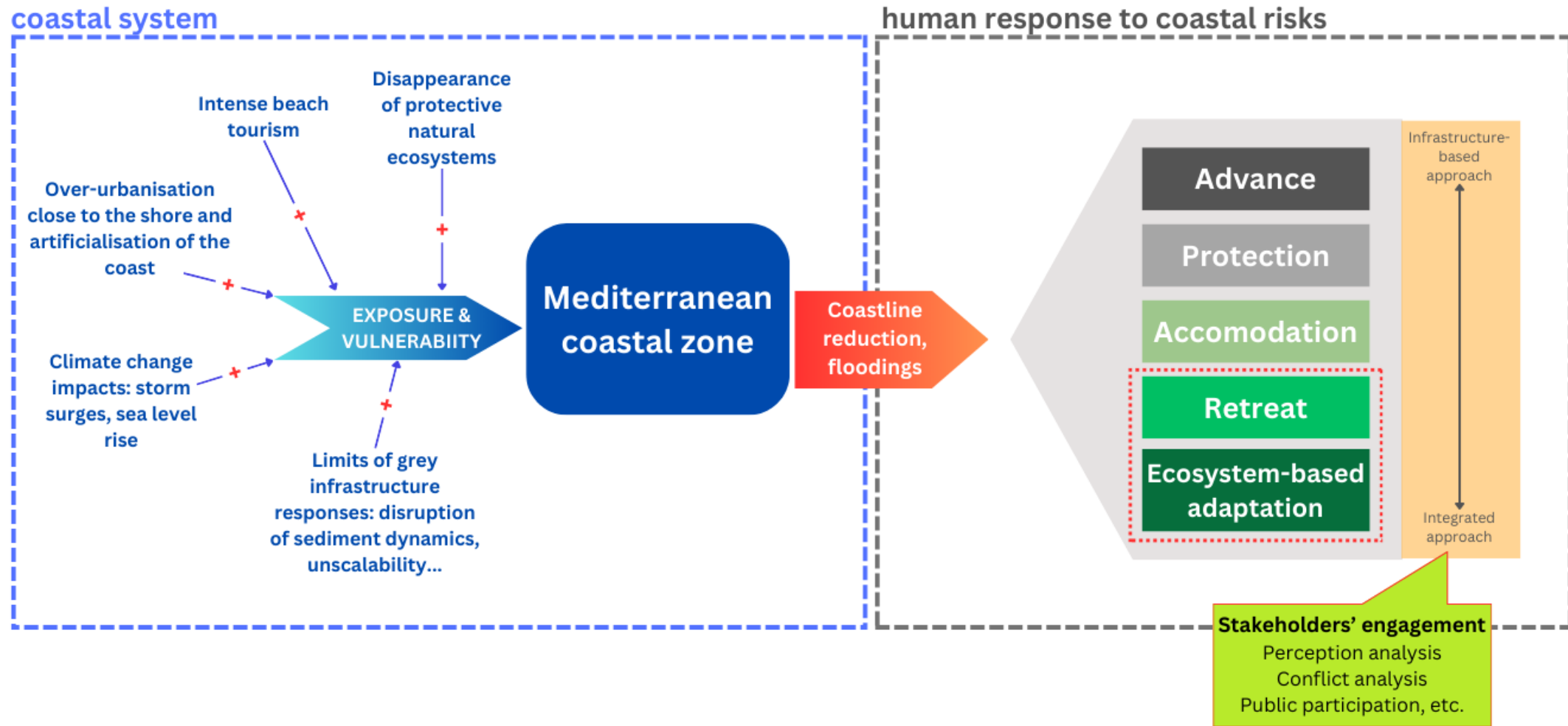


Maritimité et habitabilité sous l'angle de l'adaptation aux risques côtiers

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COASTAL SYSTEM VULNERABILITY

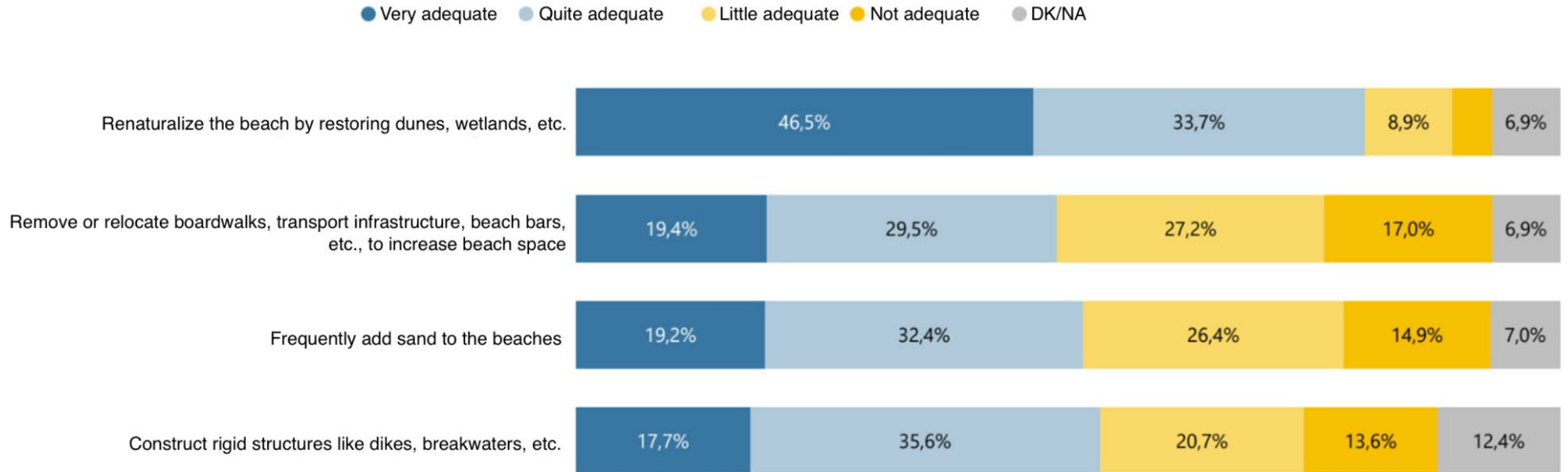


Coupled natural-human coastal system (Self-made elaboration, adapted from Kolodin et al. 2021 and IPCC 2019)

PERCEPTIONS & PREFERENCES



SURVEY TO 1600 RESIDENTS IN CATALUNYA ON THE PREFERENCES TO COASTAL RISK ADAPTATIONS. October 2024



DISCUSSION - QUESTIONS

Governance system
Social networks
Trust in authorities

Urban identity
Place attachment

Social preferences
Attitudes

Public engagement

**How does maritimity
influence coastal risk
adaptation?**



**How do coastal risks
and adaptation
strategies affect
habitability?**



Adaptive behaviour

Planning system

Environmental and risk
awareness

Social capital
Sense of community

Willingness to relocate

Geographical situation of Marseille costline

- mediterranean climate
- limestone provence
- rocky coast
- proximity to the Rhône
- 2 rivers
- 1 industrial harbor
- 8 600 pleasure boats (metropolitan area)
- 2 archipelagos
- 1 lighthouse island



Municipality of Marseille
Departement of the Sea and the Coastline
Coastal management and development Service



Public sea side service

- 2 seaside parks
- 3 urban beaches
- 2 nautical bases

New uses and socials demands

- massive spread of attendance to unsupervised seaside areas
- kite surf, foil
- increase in nighttime attendance
- In public inquiries users asking for shadow and revegetation



How does our administration anticipate the effects of climate change on the Marseille coast?



Risk on rocky coast

Working group joining risk departement + costal management and development service + urbanism department

Management of sea side services

Rocky coast (toilets, accessibility)

Sea side park : pergolas, diagnosis of the solidity of the dikes

Urban central beach : extension of the bathing season (september), extension of the night opening hours (specialy in case of heat wave)

Development projects

Integration of physical climate change data in every development projects

« Guide plan » to guide future development projects on the southern coast

Environmental management

For children (4 marine educative areas, blue classes)

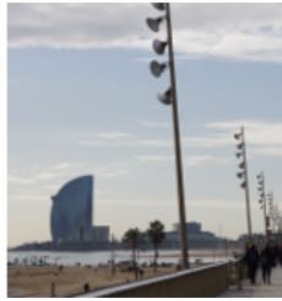
Awareness campaign for public (beach, pleasure sailing)

Posidonia plan (studies and monitoring, active management, environnemental education)

MaritiMedSeaties

Séminaire inaugural

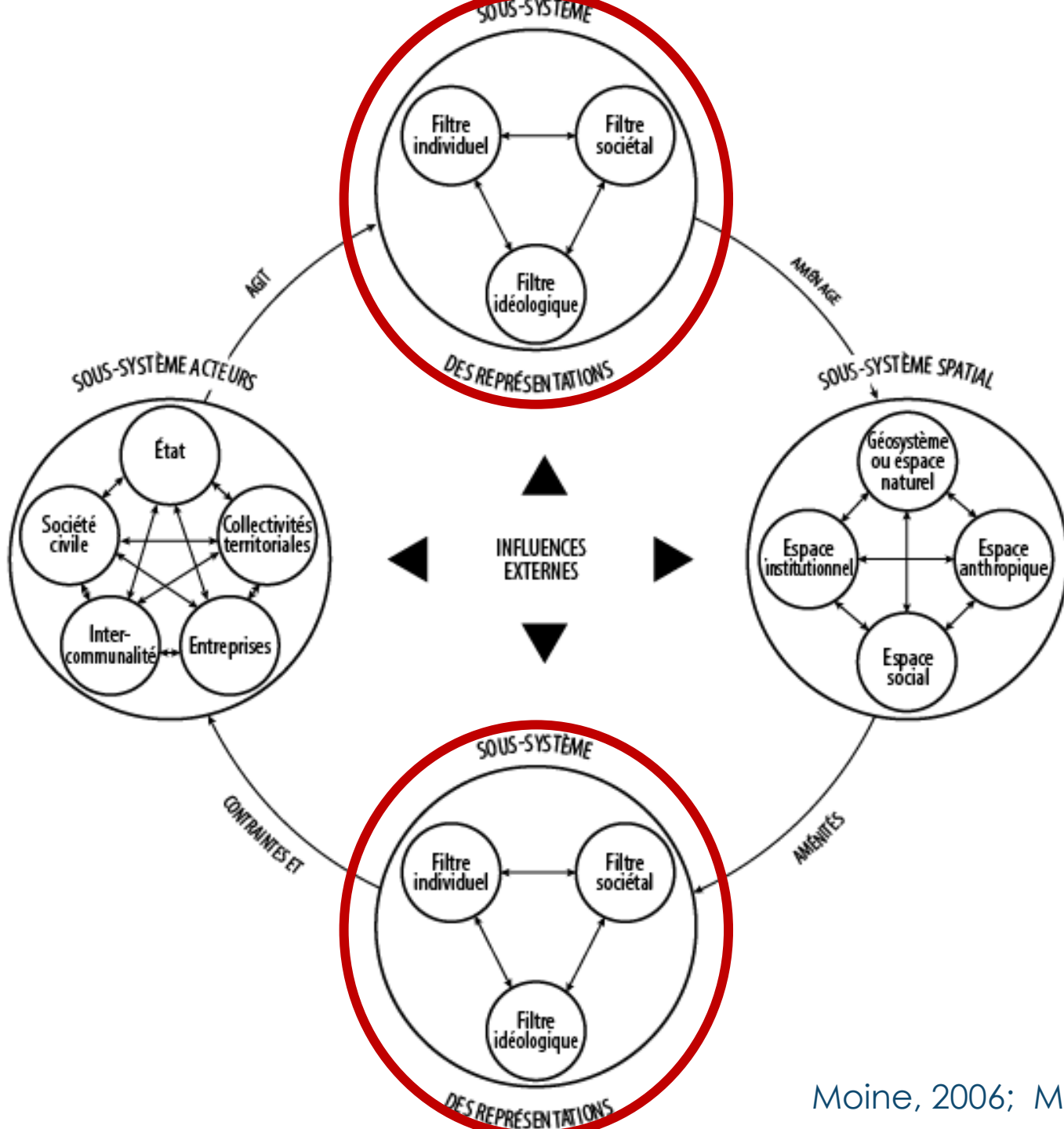
Marseille
19/05/2025



François Sabatier, Coastal geomorphologist Aix-Marseille Université

The territorial system by Moine (2006) :

Spatial system –
system of representations –
actors' system



Social
représentations
(Moscovici, 1961)

Since 2012, several research programs on :

- **Relationship to the sea and maritime identity**
- **The adaptation to climate change and to risks coming from the sea (erosion, coastal inondation...)**
- With local actors
- Interdisciplinary research (geography and psychology)
- Qualitative and quantitative methods



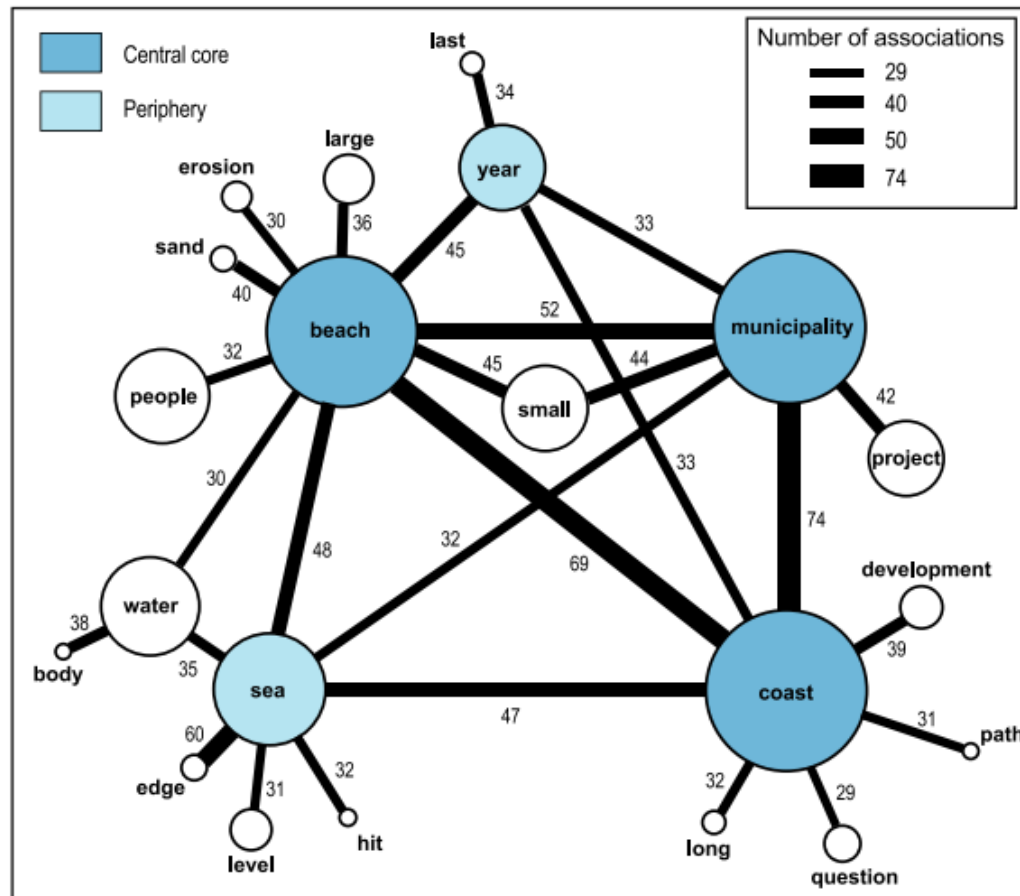
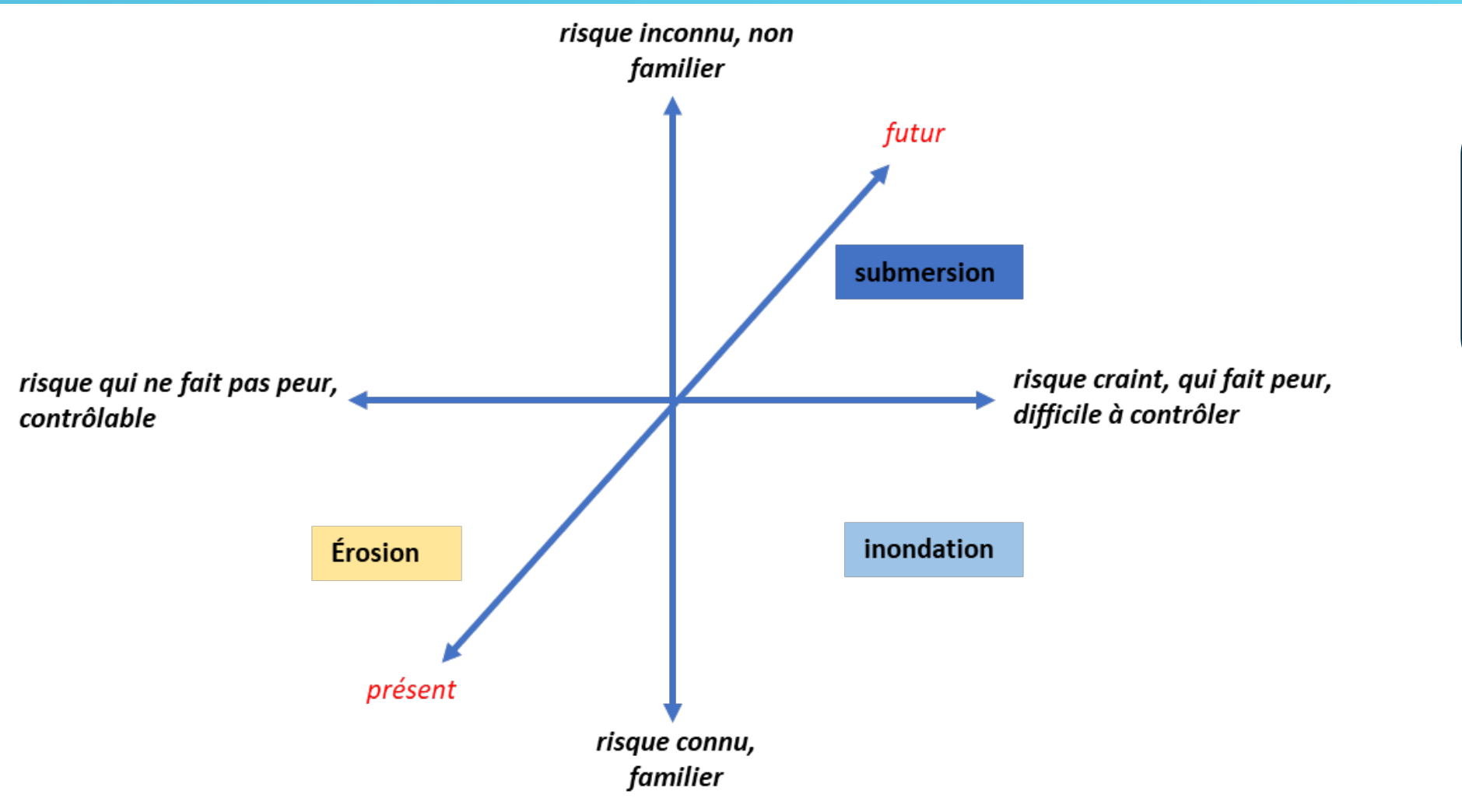


Fig. 6. Associations between words in the corpus. Each word is represented by a circle proportional to its frequency. All links exceeding 29 (the number of interviewees) are represented.

A strong maritime identity based on the interface beach - coast

Main results in terms of maritime identity and adaptation to coastal risks



Coastal risks are mitigated and integrated into the identity narrative

Bertoldo et al. (2021)
Dias et al. (2024)
Robert et al. (2023)
Schleyer-Lindenmann et al. (2022)