



ZAVOD REPUBLIKE SLOVENIJE  
ZA VARSTVO NARAVE

INSTITUTE OF THE REPUBLIC OF SLOVENIA FOR NATURE CONSERVATION

# Izola East Waterfront – conservation & reconstruction

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International Architectural and Urban Design Workshop  
**WATERFRONT REDEVELOPMENT: IZOLA EAST**  
24–28 September 2012, Izola, Slovenia



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- **Slovenian coast and sea**
- **interventions in the coastal area – nature conservation framework**
- **Izola East – natural assets**
- **nature conservation guidelines**

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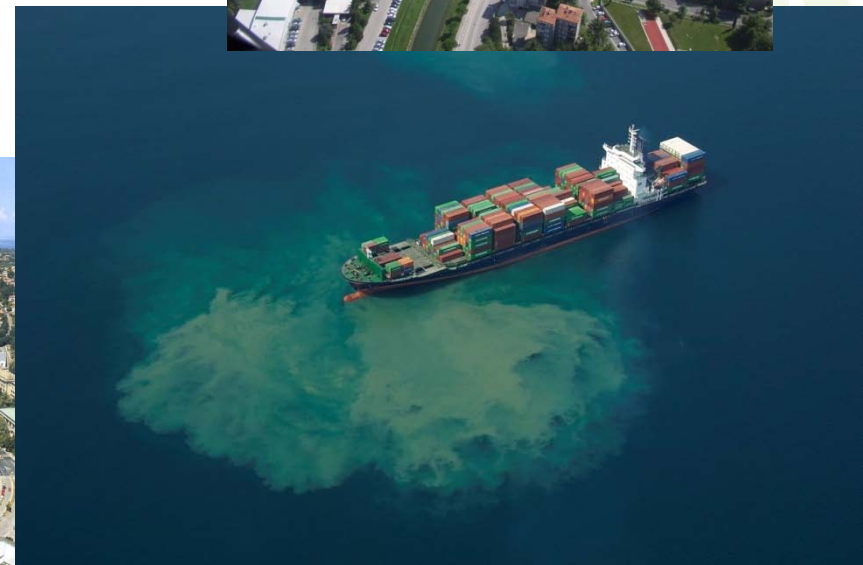
## ➤ Slovenian coast and sea

- 46 km
- alluvial plains & flysch cliffs
- shallow marine basin
  - freshwater inflow, bottom sediment resuspension
  - low transparency
  - large temperature and salinity variations



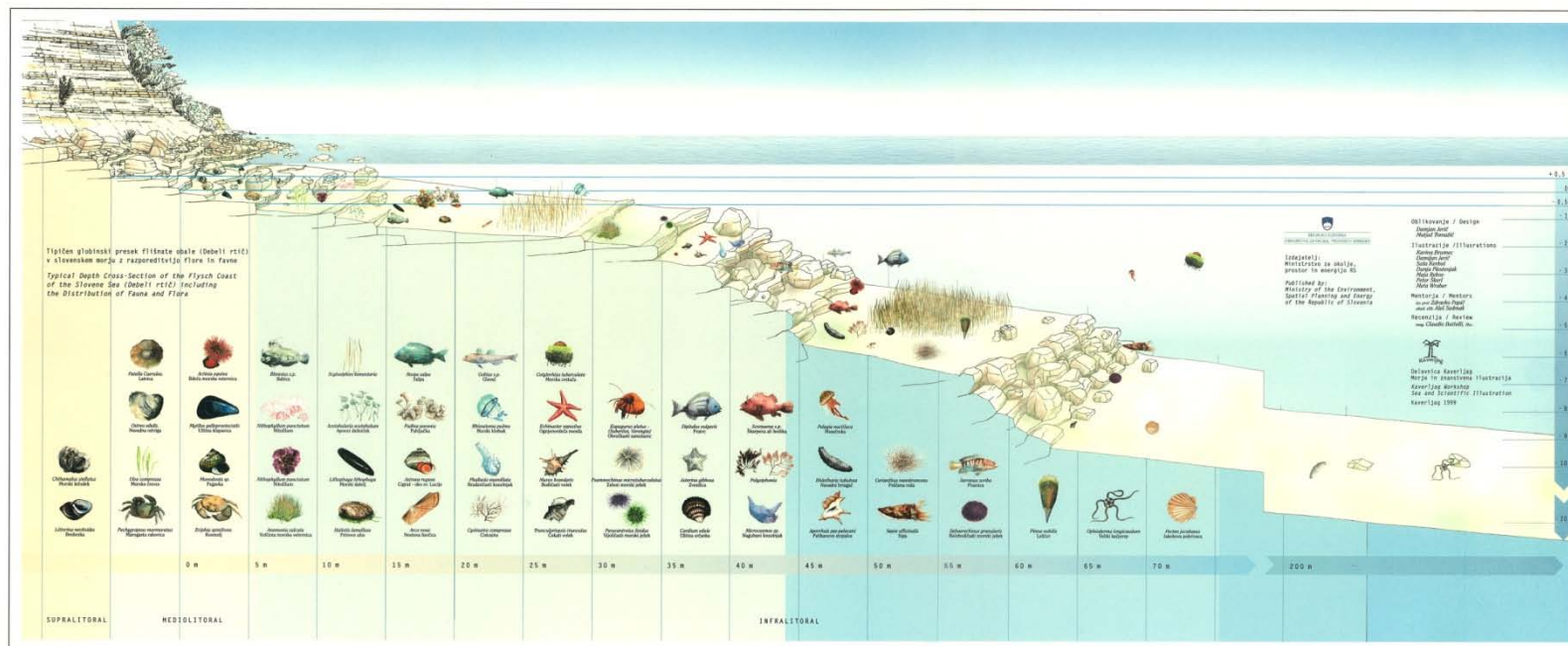
➤ **Slovenian coast and sea**

- 80% of the coastline urbanized
- sewage & industrial waste waters
- port & maritime traffic
- tourism & adjoining activities
- agriculture
- fisheries & aquaculture
- .....



## ➤ Slovenian coast and sea

- 8 km of natural coastline left
- fragmented, no NO GO & NO TAKE area





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➤ **interventions in the coastal area – nature conservation framework**

- Convention on Biological Diversity
- Barcelona Convention (SPA&BD / ICZM Protocols)
- EU Marine Strategy Framework Directive – good environmental status (structures, food webs, ...)
- EU BD Conservation Strategy – conservation and restoration of ecosystems & ecosystem services
- Slo – BD Conservation Strategy / Nature Conservation Act / ...

➤ **Izola East – natural assets**

- natural values – two caves with brackish water
- ecologically important areas



## ➤ Izola East – Waterworld

- built-up supra & mediolitoral
- algal associations & seagrass meadow – pristine conditions in the infralitoral belt
- degraded infra & circalitoral
- seagrass meadow – fairly good conditions
- polluted sediments ?





➤ **nature conservation guidelines**

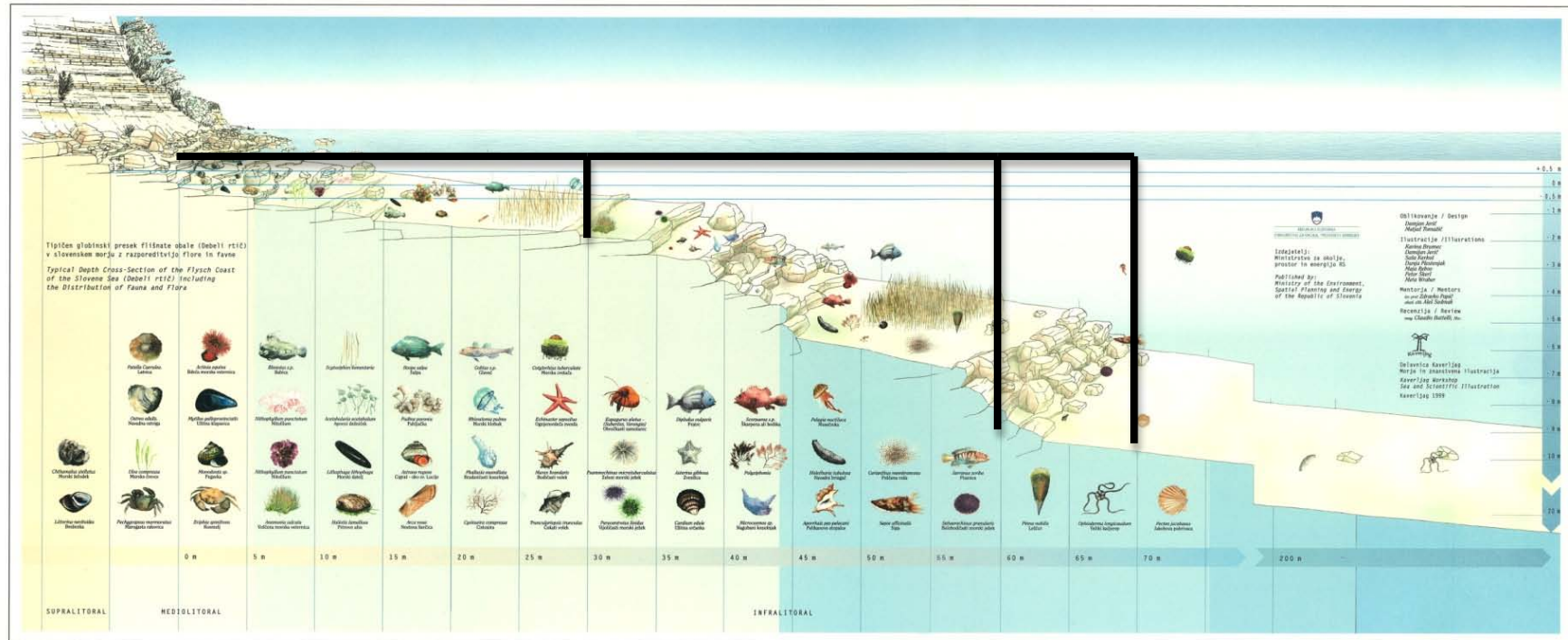
- caves
  - reopened, investigated, possibly included in the future development plans
- coastline & sea
  - low impact activities;
  - improvement of the environmental conditions
    - conservation
    - reconstruction & restoration





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