



**TEDEN SREDOZEMSKÉ OBALE
IN MAKROREGIONALNIH
STRATEGIJ**

Izola, Slovenija
16. – 20. september 2024

**MEDITERRANEAN COAST
AND MACRO-REGIONAL
STRATEGIES WEEK**

Izola, Slovenia
16 – 20 September 2024



Consultation within TSG 3: Construction Activities in the Sea and on the Seashore and Achieving good environmental status of the Sea



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

Sea bottom and benthic habitat types, communities and species in the Slovenian Sea

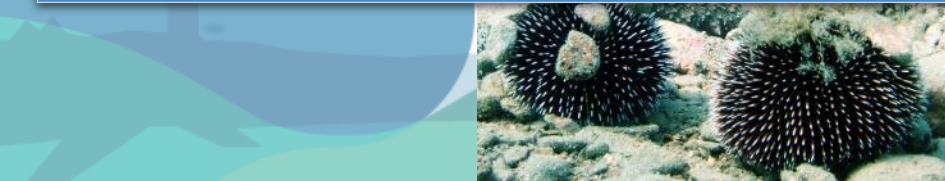
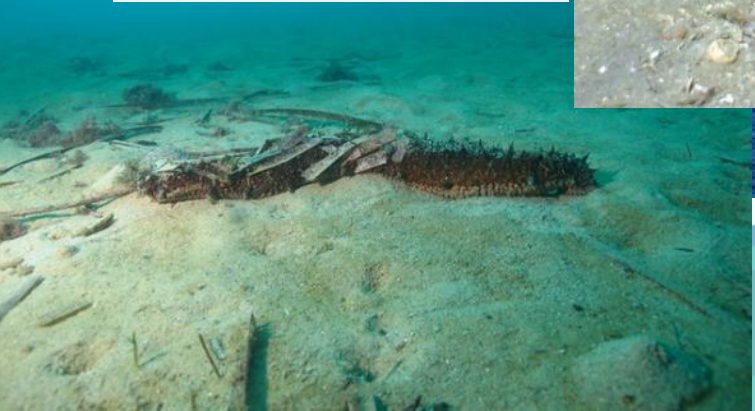
Borut Mavrič,
National Institute of Biology, Marine Biology Station



Biodiversity hotspot
with more than 2000
species of macrobiota

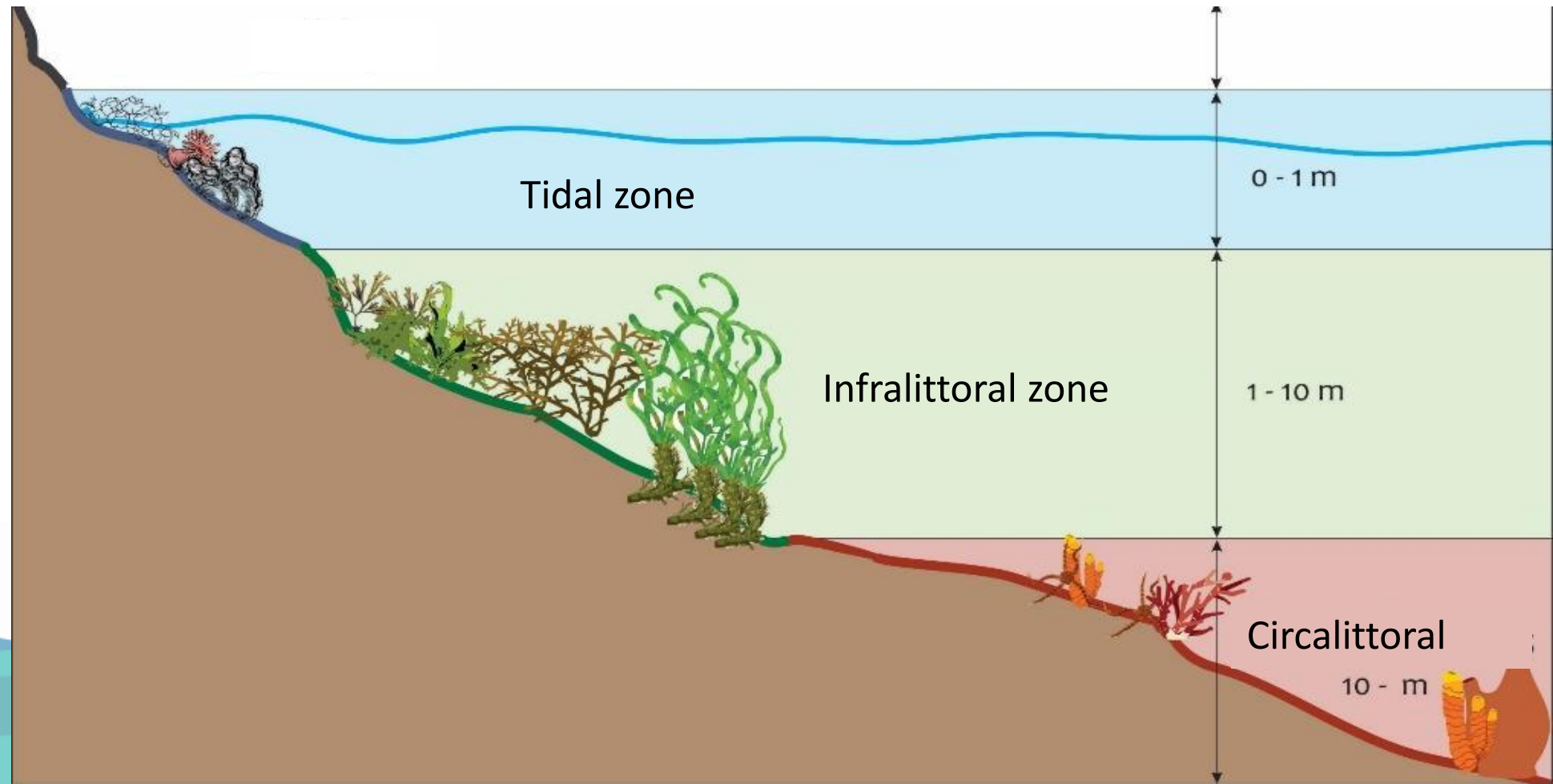
Površina : 170 km²
(135.250 (0,13%);
2.500.000 (0,007%);
350.000.000 (5x10⁻⁵%)

taxon	S SLO	Portion of Adriatic S (%)
Porifera	112	58.9
Anthozoa	80	29.9
Annelida	300	31.6
Mollusca		
Bivalvia	139	43.4
Gastropoda	232	41.1
Scaphopoda	4	44.4
Cephalopoda	9	26.5
Chitons	9	69.2
Arthropoda	242	?
Echinodermata	42	44.6
Ascidiacea	48	56.5
Cyclostomata	2	?
Osteichties	161	45.6
Elasmobranchs	21	38.9
Turtles	1	33.3
Mammalia	1 (6)	12.5



Consultation within TSG 3: Construction Activities in the Sea and on the Seashore and Achieving good environmental status of the Sea

- Bottom composition and structure
- Hydrodynamics
- Depth
- Light
- Temperature
- Salinity
- Nutrients
- Biology



Habitat types

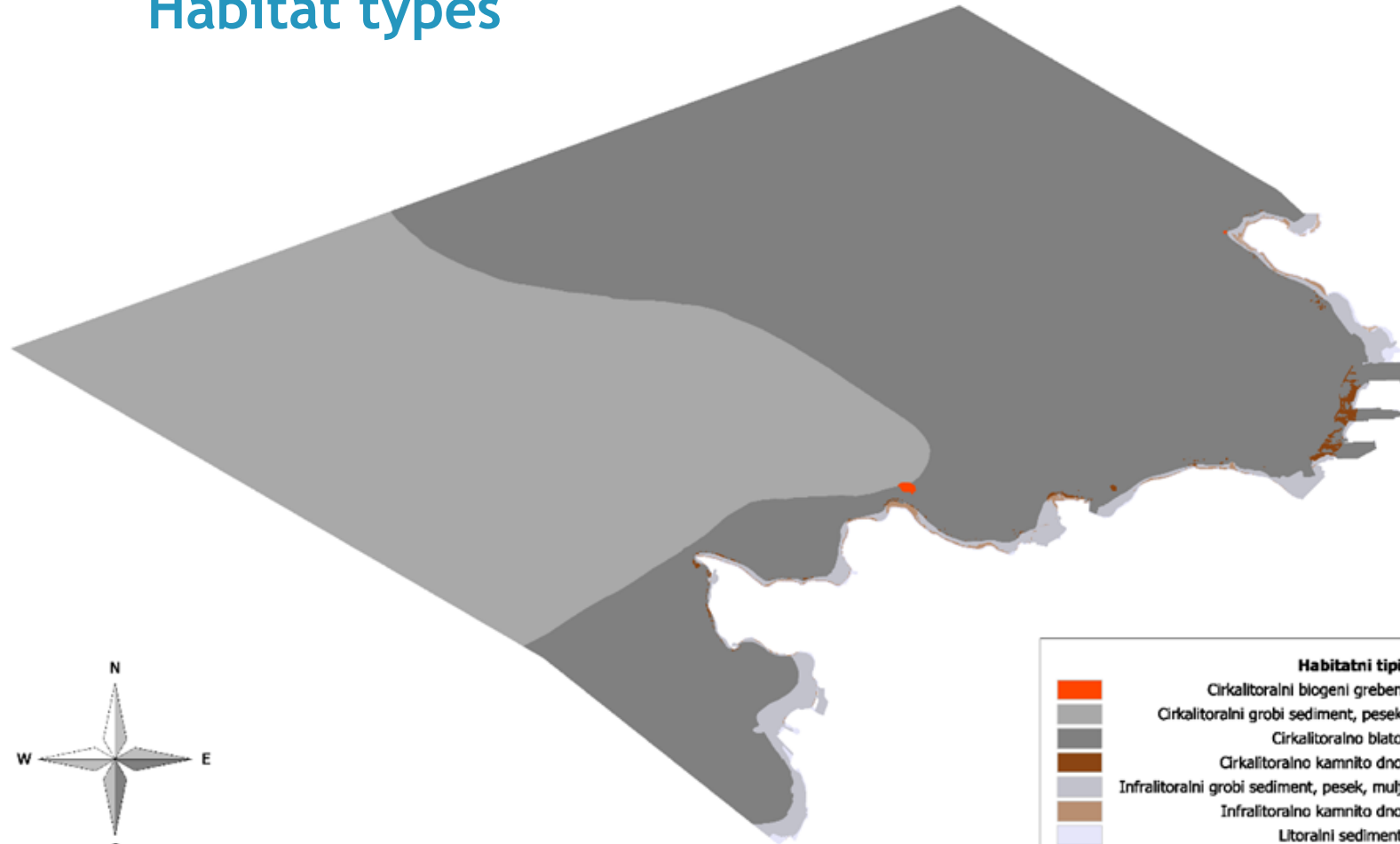










TEDEN SREDOZEMSKO OBALE
IN MAKROREGIONALNIH
STRATEGIJ

MEDITERRANEAN COAST
AND MACRO-REGIONAL
STRATEGIES WEEK

Izola, Slovenija
16. – 20. september 2024

Izola, Slovenia
16 – 20 September 2024



Habitatni tipi	
	Cirkalitoralni biogeni greben
	Cirkalitoralni grobi sediment, pesek
	Cirkalitoralno blato
	Cirkalitoralno kamnito dno
	Infralitoralni grobi sediment, pesek, mulj
	Infralitoralno kamnito dno
	Litoralni sediment
	Litoralno skalovje

Habitat types	EUNIS code (2016)	surface (km ²)
Mediolittoral rocky bottom	MA1	0,37
Mediolittoral sediments	MA3, MA4, MA5, MA6	0,52
Infralittoral rocky bottom	MB1	0,69
infralittoral sediments	MB5, MB6	4,38
Cirkalittoral biogenic reefs	MC2	0,05
Cirkalittoral sands	MC5	43,90
Cirkalittoral mud	MC6	163,52

Mediolittoral - tidal zone

- Occasionally covered with water.
- Marked by low and high tide (1 m).
- High temperature and salinity oscillations.
- High hydrodynamics.
- Low no. of species but high abundance.



TEDEN SREDOZEMSKÉ OBALE
IN MAKROREGIONALNIH
STRATEGIJ

Izola, Slovenija
16. – 20. september 2024

MEDITERRANEAN COAST
AND MACRO-REGIONAL
STRATEGIES WEEK

Izola, Slovenia
16 – 20 September 2024



Infralittoral

- Vedno pod vodo.
- Do 1% vpadne svetlobe (do cca. 10 m).
- Področje uspevanja fotofilnih alg in cvetnic oz. morskih trav.
- Vrsto zelo pester.



TEDEN SREDOZEMSKÉ OBALÉ
IN MAKROREGIONALNIH
STRATEGIJ

Izola, Slovenija
16. – 20. september 2024

MEDITERRANEAN COAST
AND MACRO-REGIONAL
STRATEGIES WEEK

Izola, Slovenia
16 – 20 September 2024



Rocky infralittoral

- Rocky platforms and ribs
- Boulders
- Cobbles

- Photophilous algae
- Sponges
- Mediterranean stony coral

European date mussel



TEDEN SREDOZEMSKÉ OBALE
IN MAKROREGIONALNIH
STRATEGIJ

Izola, Slovenija
16. – 20. september 2024

MEDITERRANEAN COAST
AND MACRO-REGIONAL
STRATEGIES WEEK

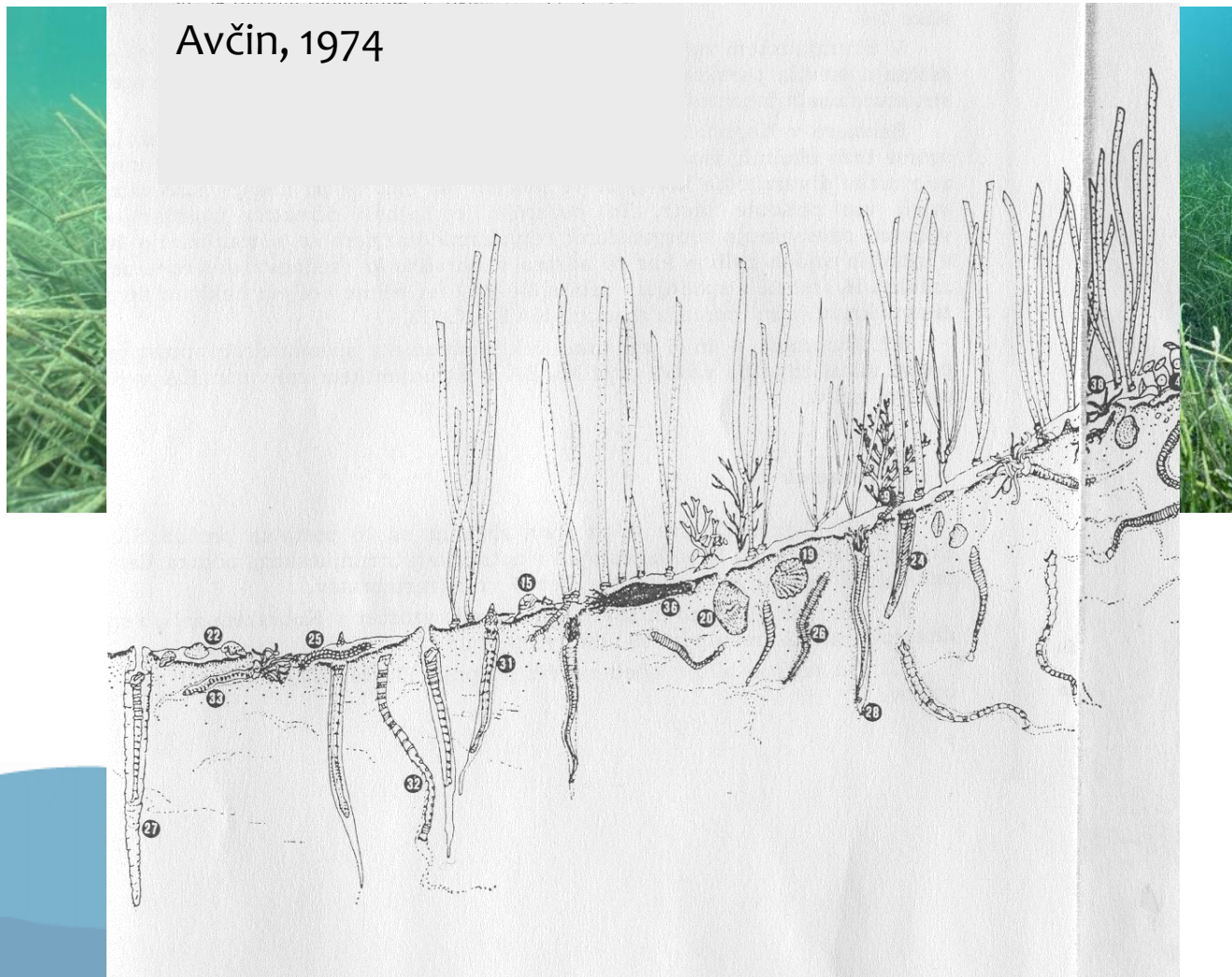
Izola, Slovenia
16 – 20 September 2024



Sedimentary infralittoral

- Silt and mud
- Sand
- Pebbles and granules

- Seagrass (4 species) forming meadows
- Diverse infauna



Thank you

Slovenian coastal zone is:

- Highly heterogenous and complex
- Rich in biodiversity
- Diverse ecosystem functions
- Highly endangered

