



PROJECT ERASMUS+
Climate is Changing. Let's Change Climate. Make Difference Together

The impact of climate change on our coastal region

Problems in our coastal region:

- Floods on the cost of Slovenia
- Higher sea temperatures
- Biodiversity loss



Floods

- Floods occur due to high tides and windy conditions.
- The most badly affected town is Piran; however, coastal towns Izola, Koper and Portorož have been also often flooded lately.
- Damage is caused to ground-floor apartments and houses, as well as cars.
- Spilled waste oil, damage to the sewage systems...



Floods

Here are some pictures of the floods on our school doorstep:



Floods

[Video flood november 2022](#)

Floods

Sečovlje salt fields and Škocjanski zatok natura reserve

- It is expected that certain wetlands along the Slovenian coast will become submerged.
- Damage to salt pans:

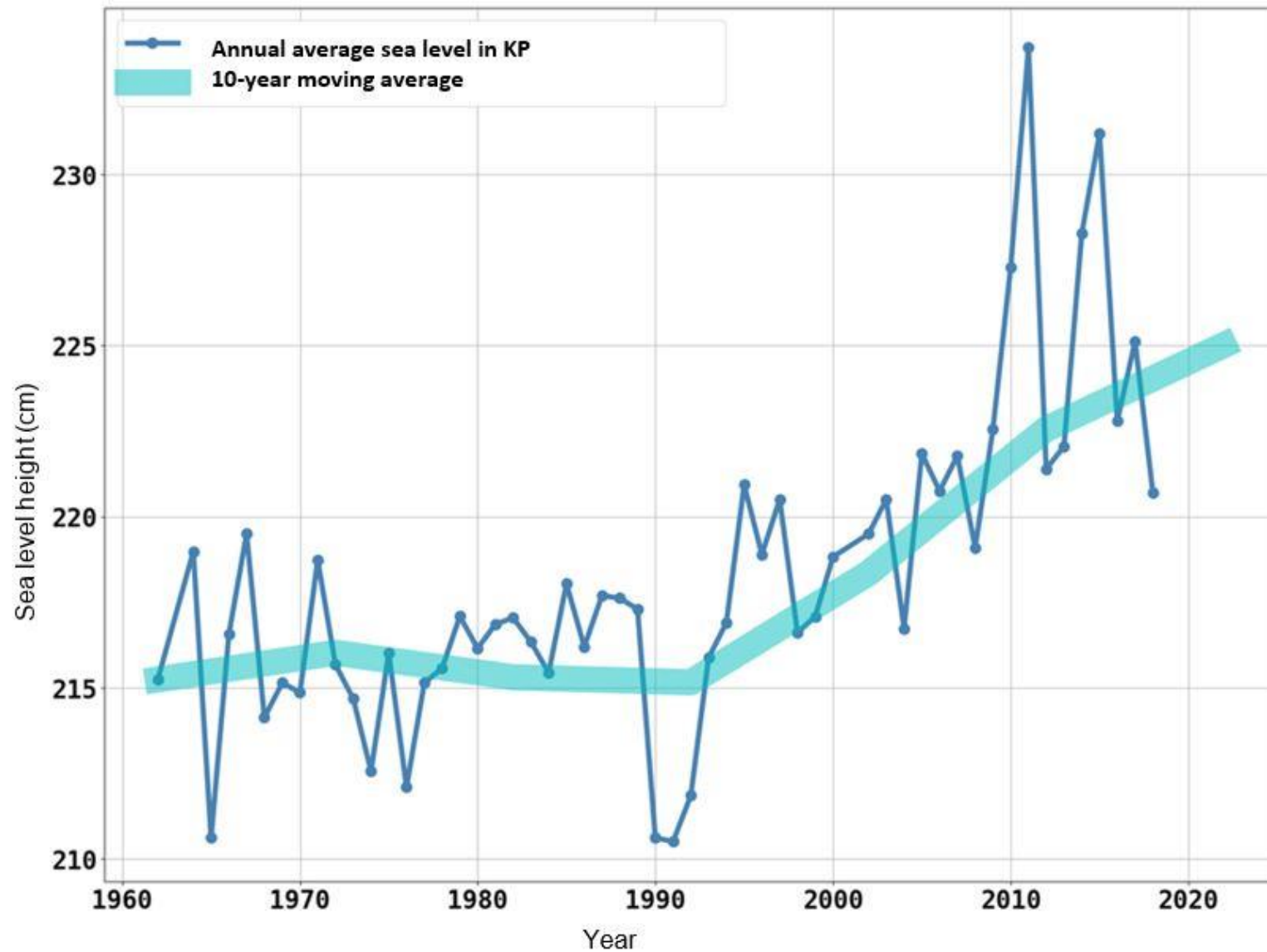


Floods

The installation of a new high water mark in centre Izola

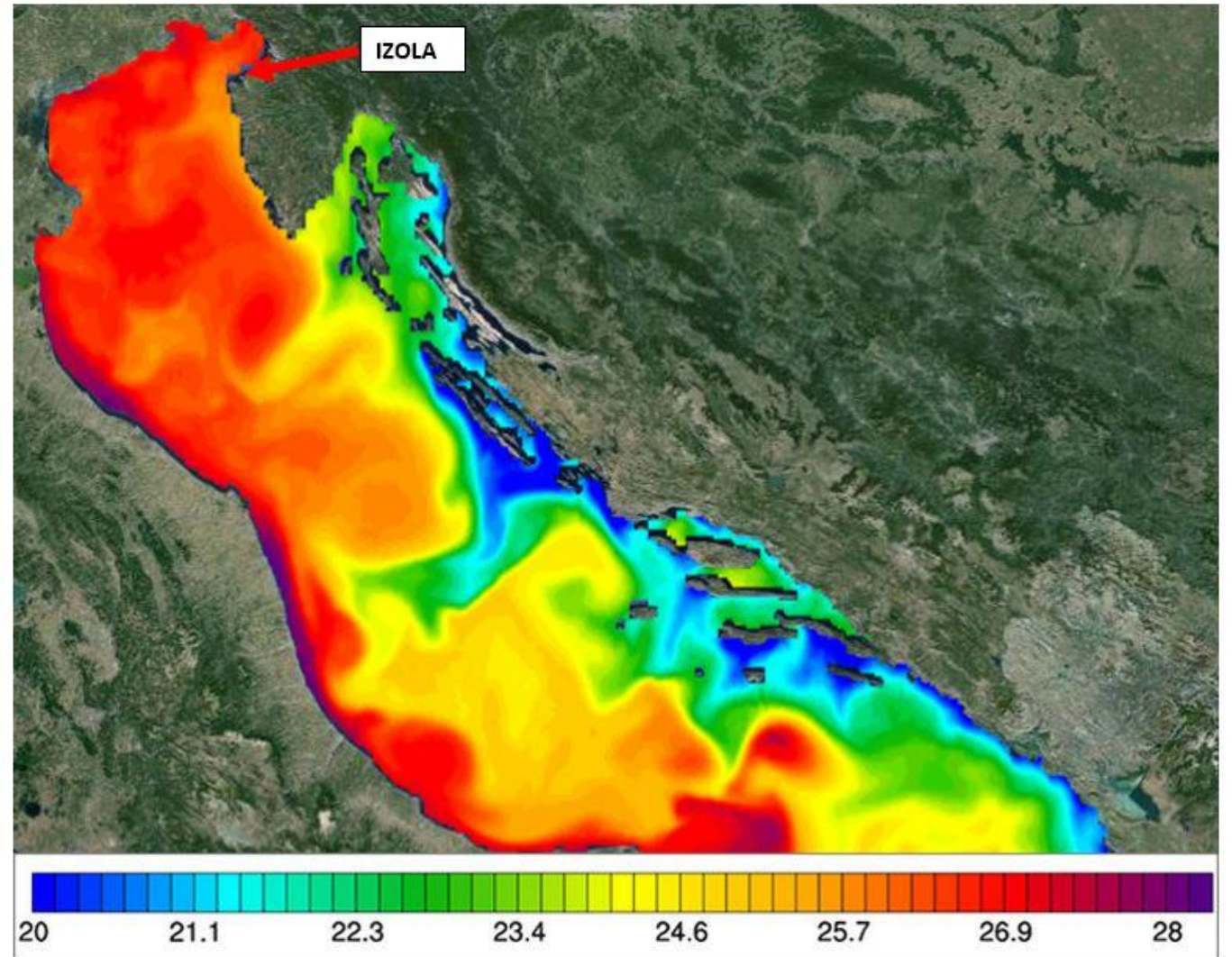


Floods



Higher sea temperatures

- less oxygen
- species dying out
- overpopulation of non-native species in the sea
- biodiversity loss



Biodiversity loss

- Corals
- Seagrass beds and meadows
- Leech
- Non-native invasive species



Biodiversity - Corals

- They are losing colour and some of them even dying.
- The cushion coral and the stony coral (which forms the only true coral reefs) has been damaged.



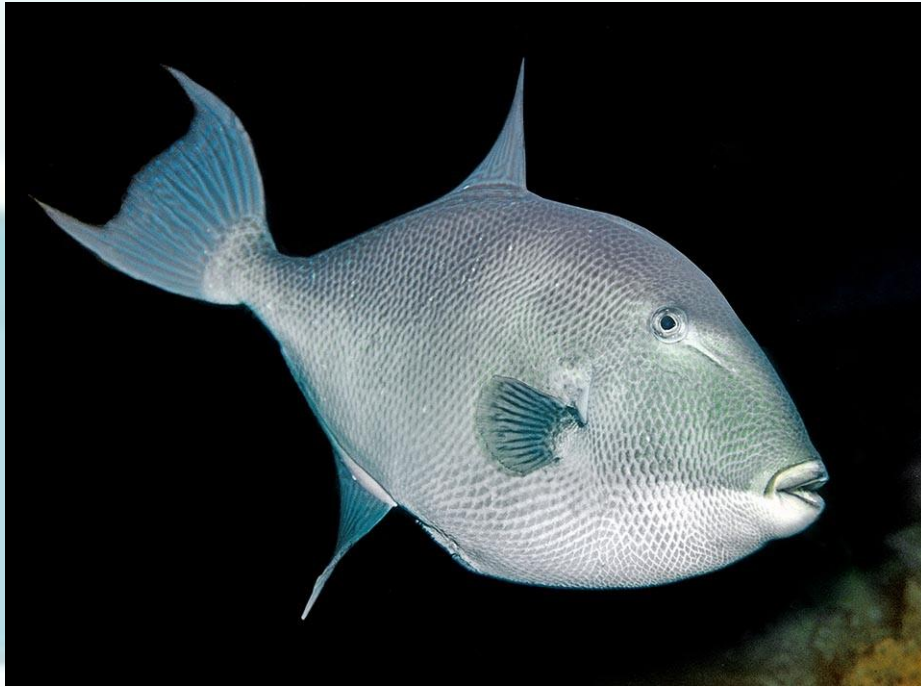
Biodiversity - seagrass beds and meadows

- The seagrass is fundamental to all coastal ecosystems.
- The meadows are the habitat in which an animal species can feed, hide or reproduce.



Biodiversity - non-native invasive species

Balistes capriscus



Blue fish



Biodiversity - non-native invasive species

Lion fish



Jelly fish



Containment measures

Alarming people in time

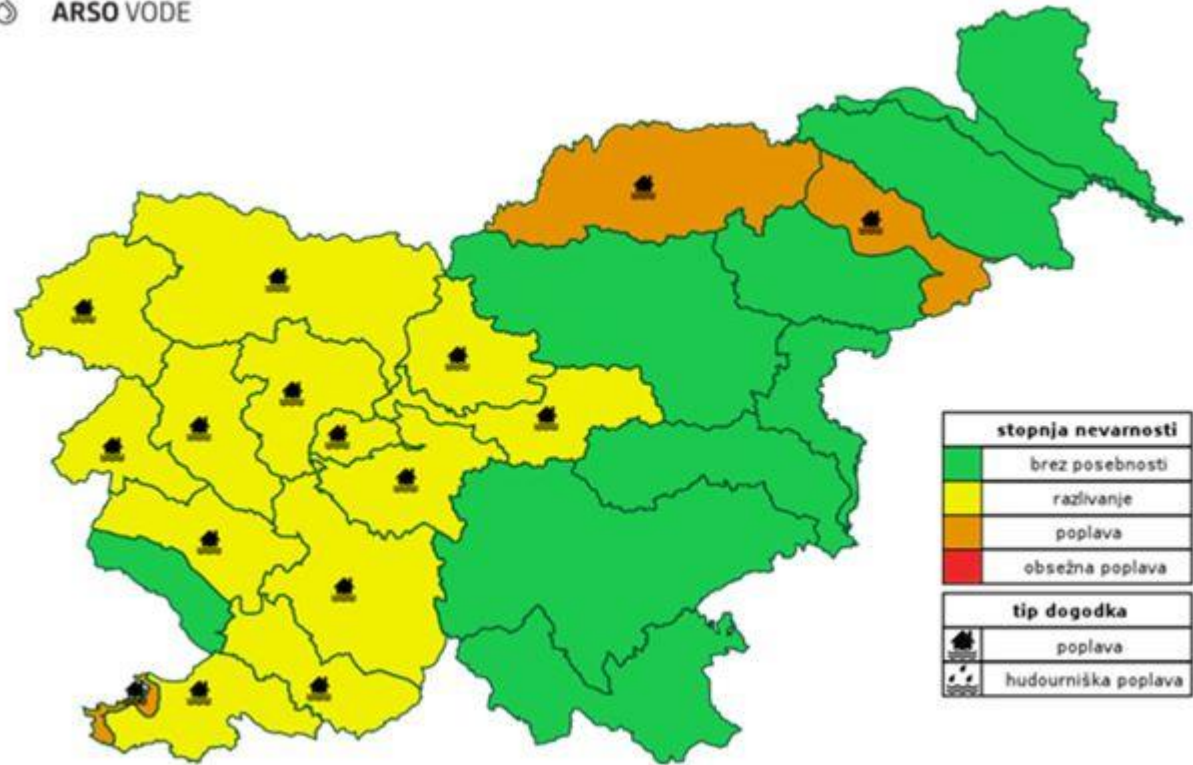


Oceanographic buoy with measuring equipment, located outside Koper



ENVIRONMENTAL
AGENCY OF THE
REPUBLIC OF
SLOVENIA

ARSO VODE



stopnja nevarnosti	
	brez posebnosti
	razlivanje
	poplava
	obsežna poplava
tip dogodka	
	poplava
	hudourniška poplava

Containment measures

Elevating infrastructure

- The reconstruction of the riviera in Izola



Containment measures

Flood defence

Efficient barriers



Containment measures

Repopulation of seagrass beds, corals, elimination of non-native species ...





Thank you for listening

