

Global boiling and adaptive green-living shoreline project with blue carbon, South Korea

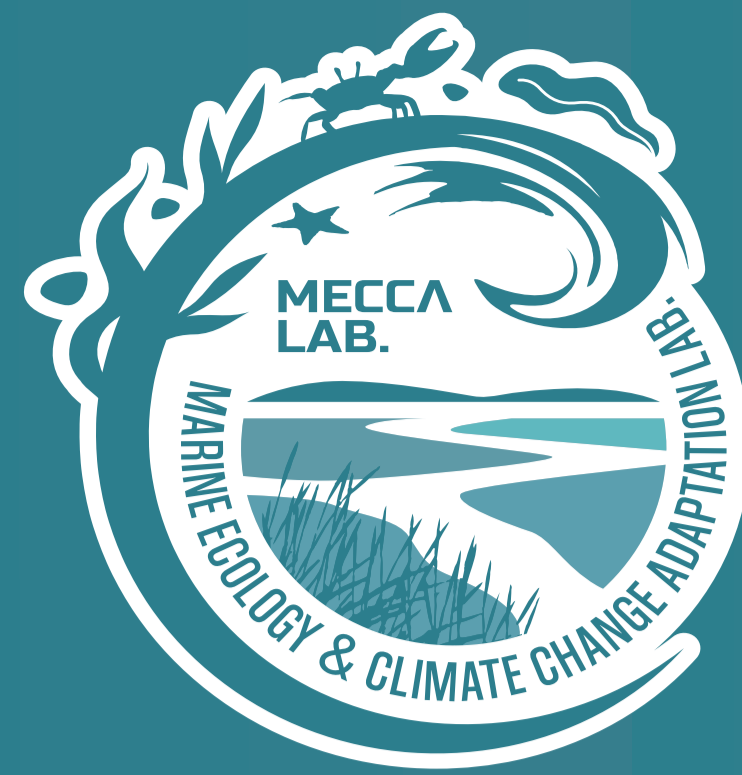
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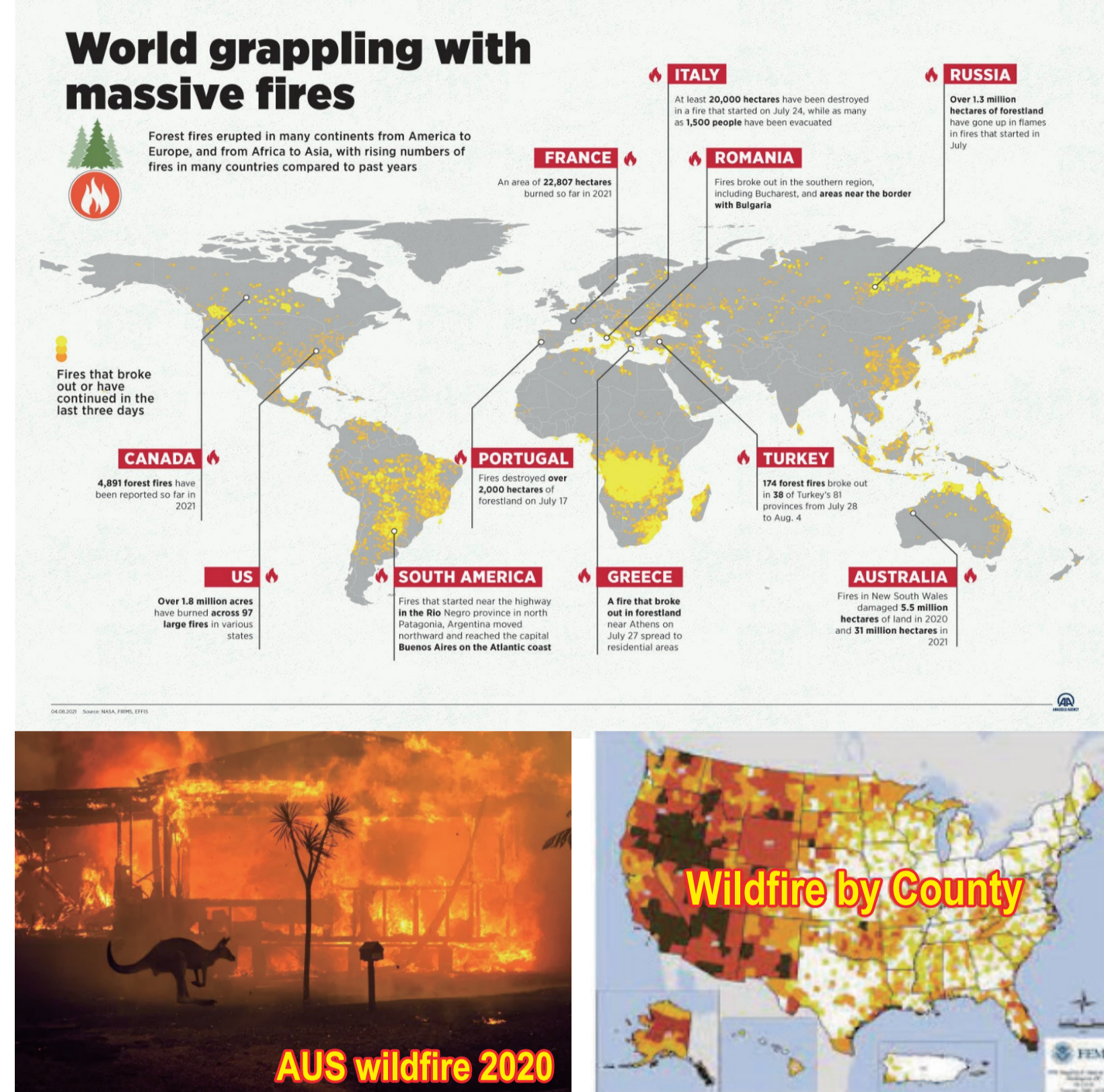


Prof. J Noh

Global Climate Risks

"The era of Global boiling has arrived"

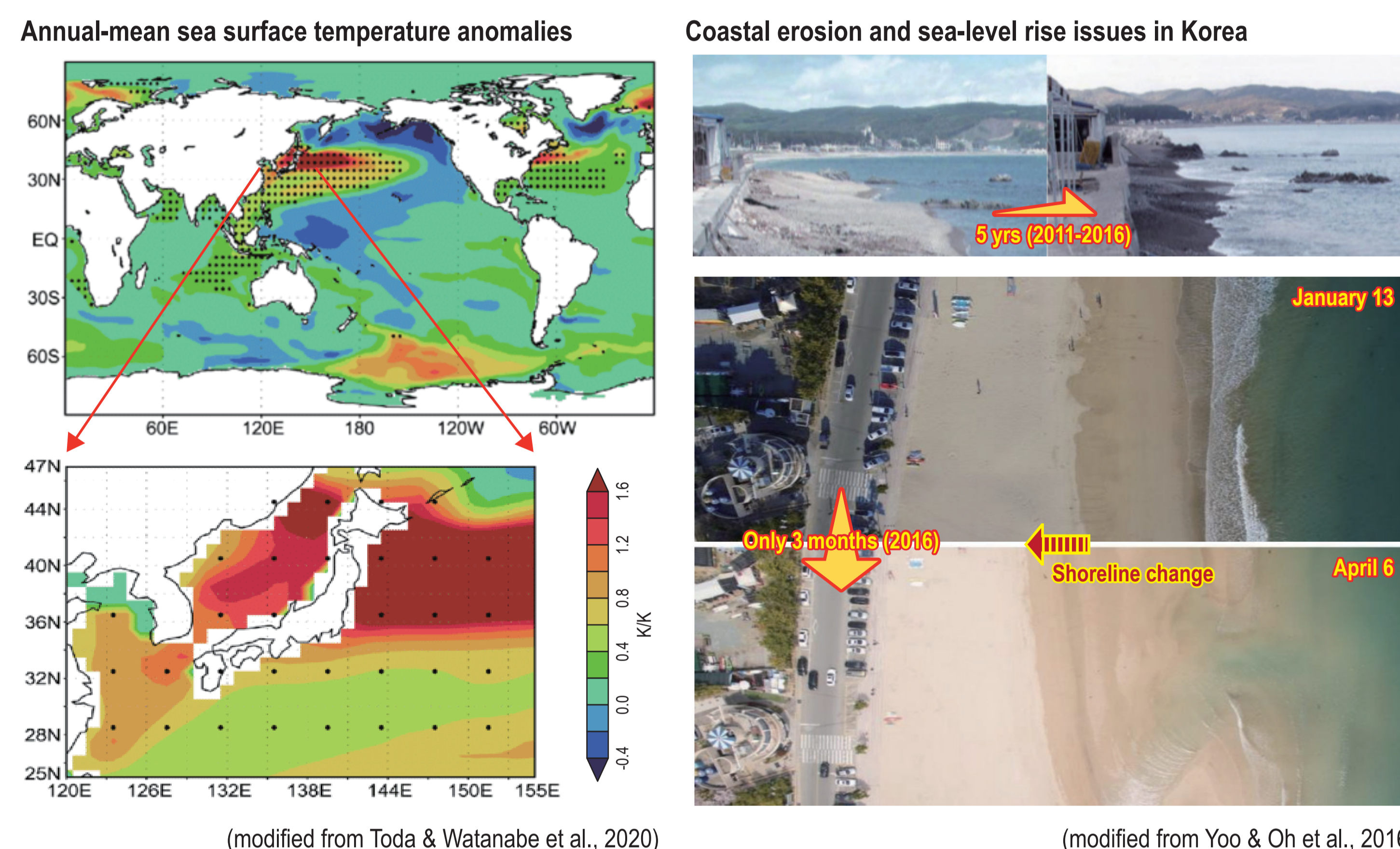
Extreme flood, heat-wave, wildfire, and other climate risks...soaring death tolls



References: <http://v.a.a.com.tr/2322512>, <https://www.nbcnews.com/science/>, <https://news.sky.com>, United States Geological Survey (USGS) map

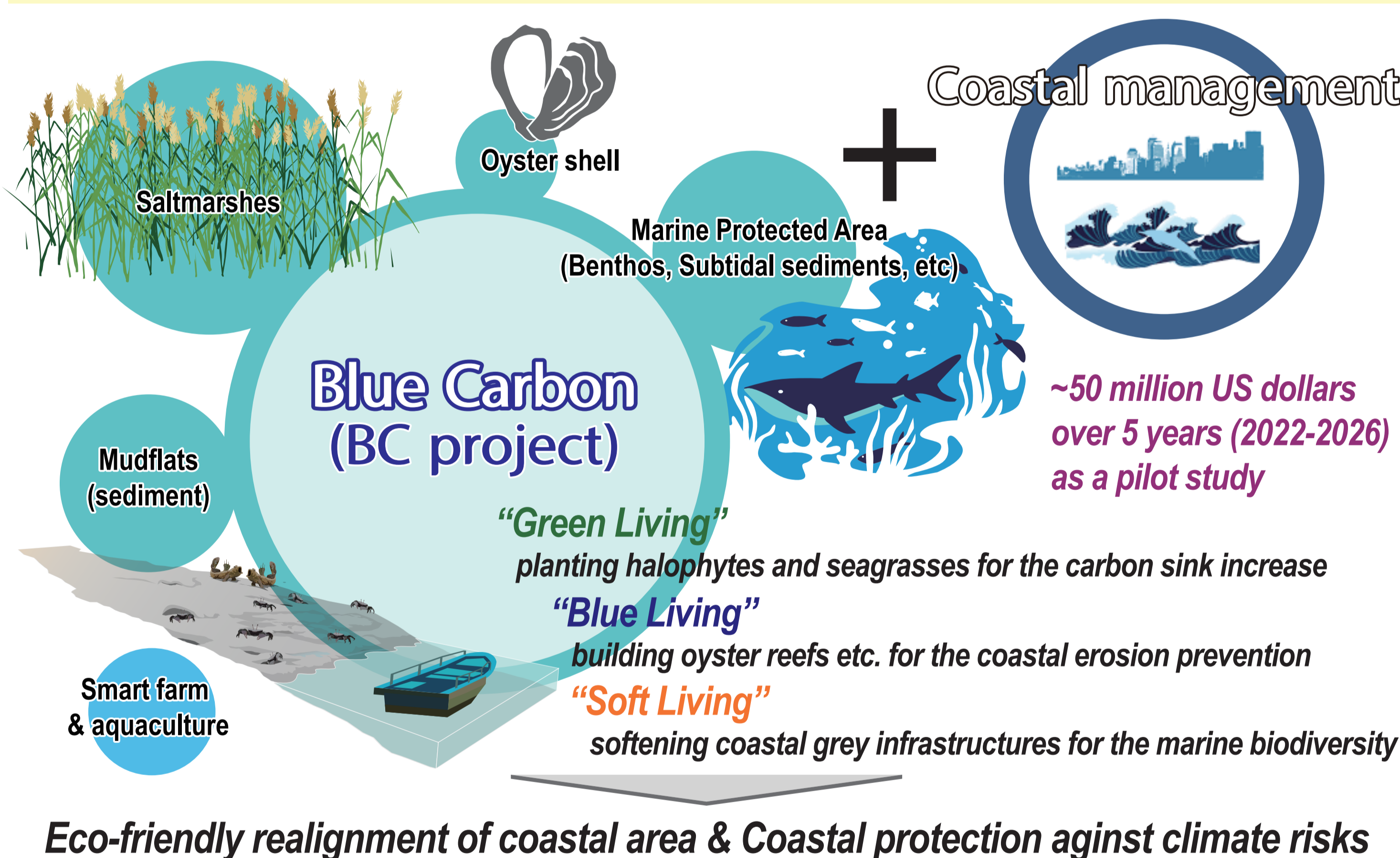
Climate Risks in South Korea

The Climate risks become a reality in South Korea
Increase of SST, Sea-level rise, Ocean acidification, Coastal erosion



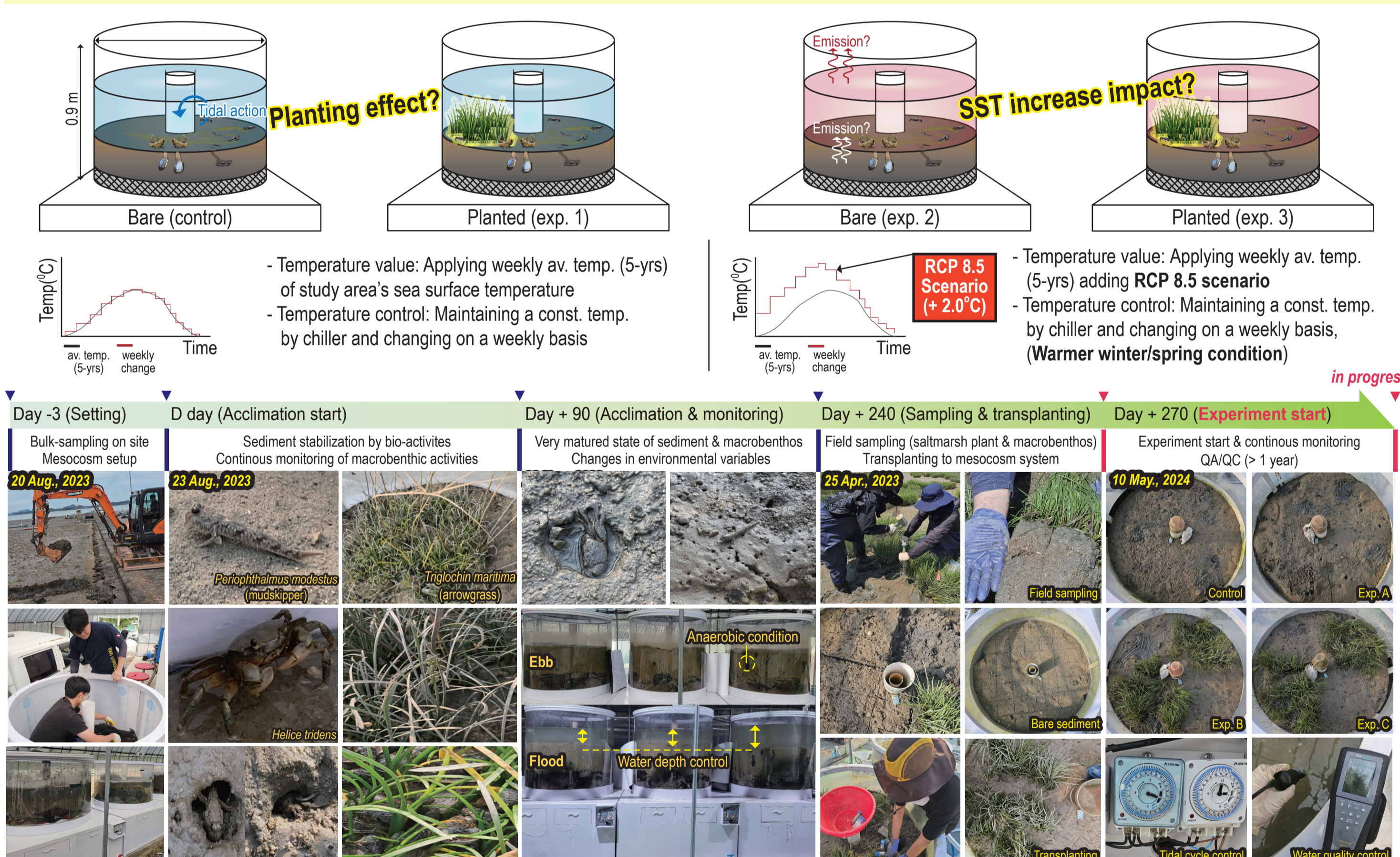
K-Climate Action with living shoreline project

Living shoreline is proposed in Korea, "K-shoreline" project
Protect and extent Blue Carbon potentials using living shoreline tech.



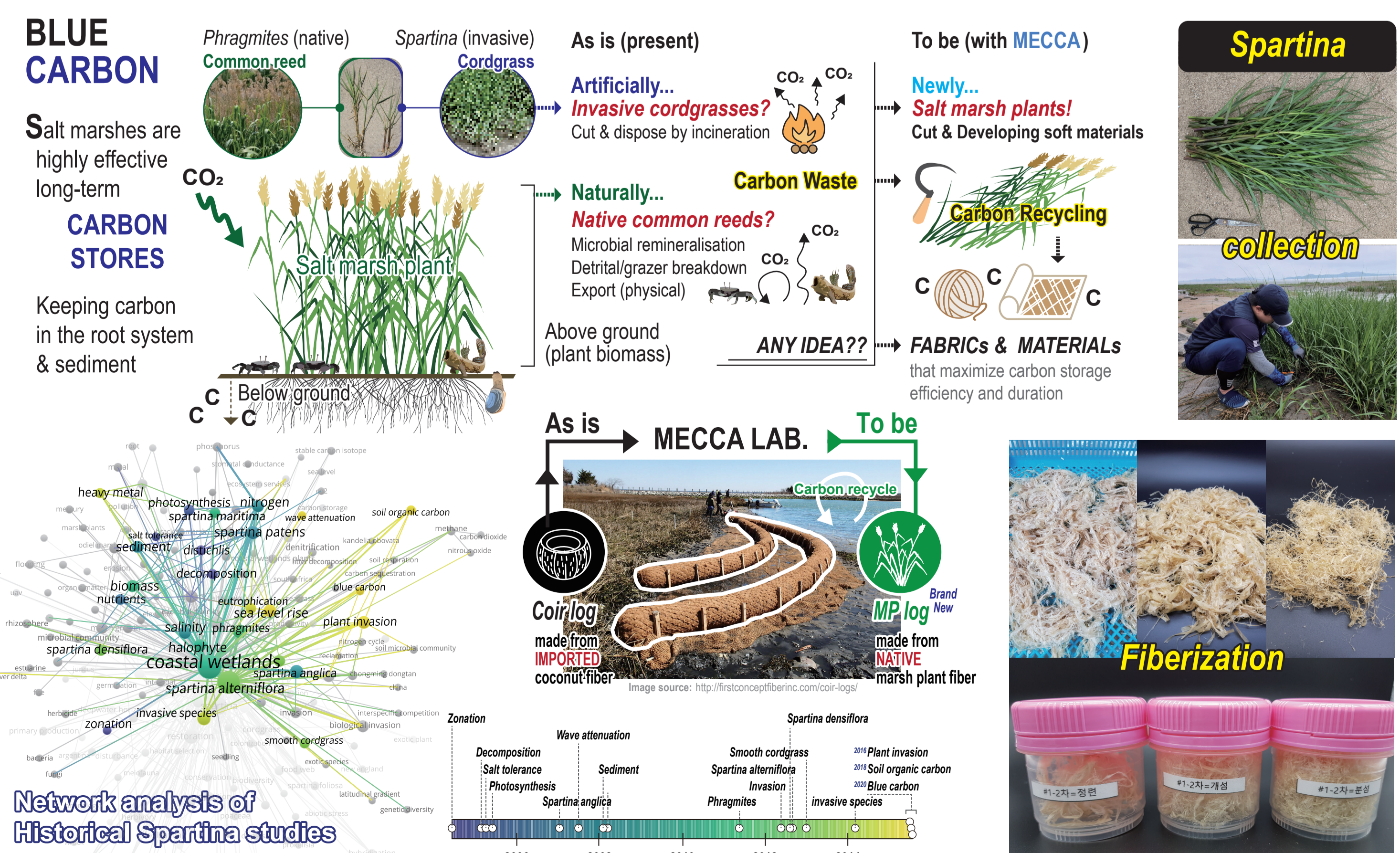
MECCA's Blue Carbon research: Tidal flat mesocosm

Carbon Storage in Korean Tidal Flats under Climate Change
Planting effect of salt-marsh plant and impact of SST increase



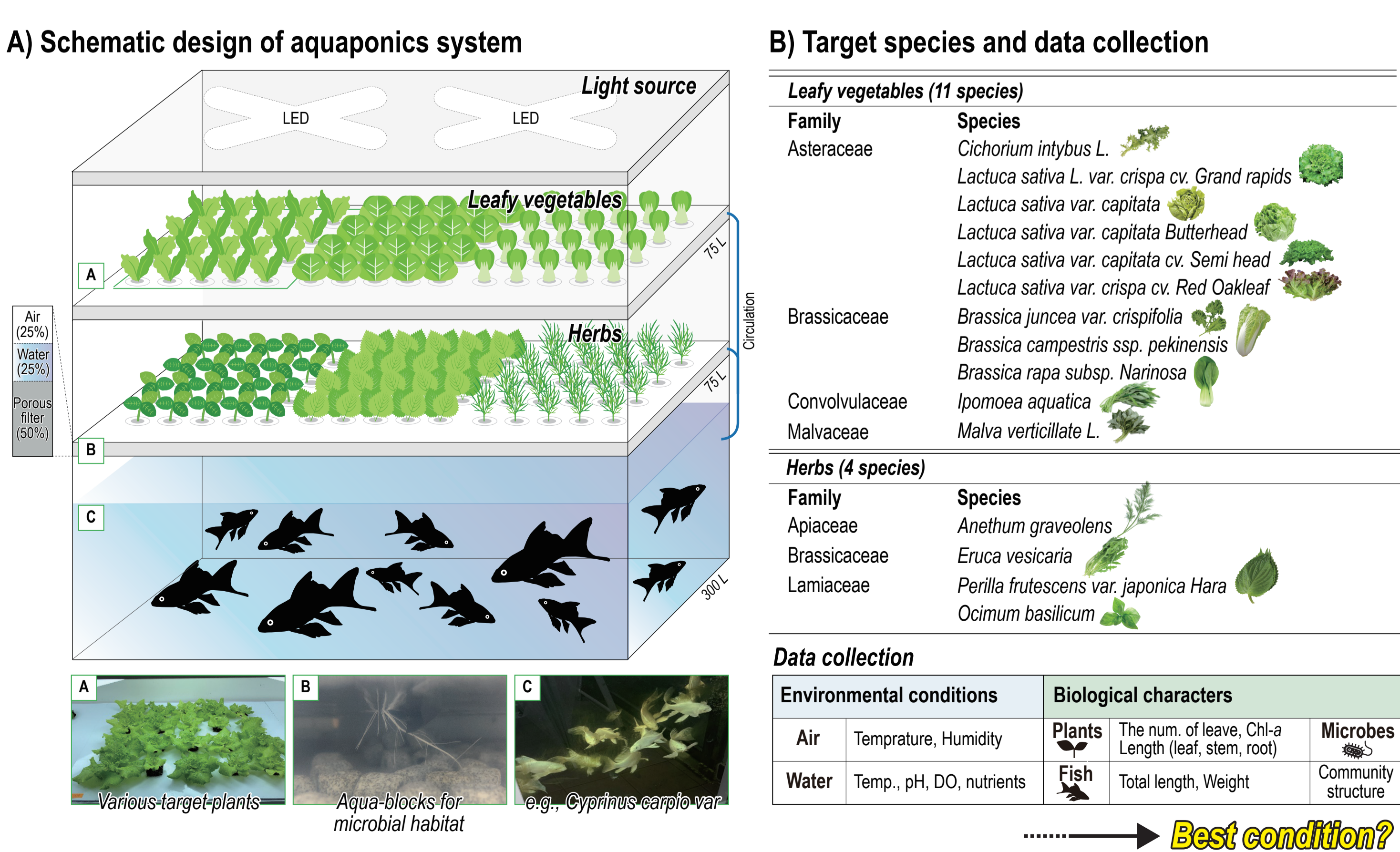
MECCA's Blue Carbon research: Exotic Spartina invasion

Spartina invasion and fiber processing for smart management
Carbon recycling using exotic Spartina that has invaded Korean coasts



MECCA's Blue Carbon research: Aquaponics system

Toward a bluegreen city farming and aquaculture of Korea
Next generation aquaculture + hydroponics for sustainable smart city future



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