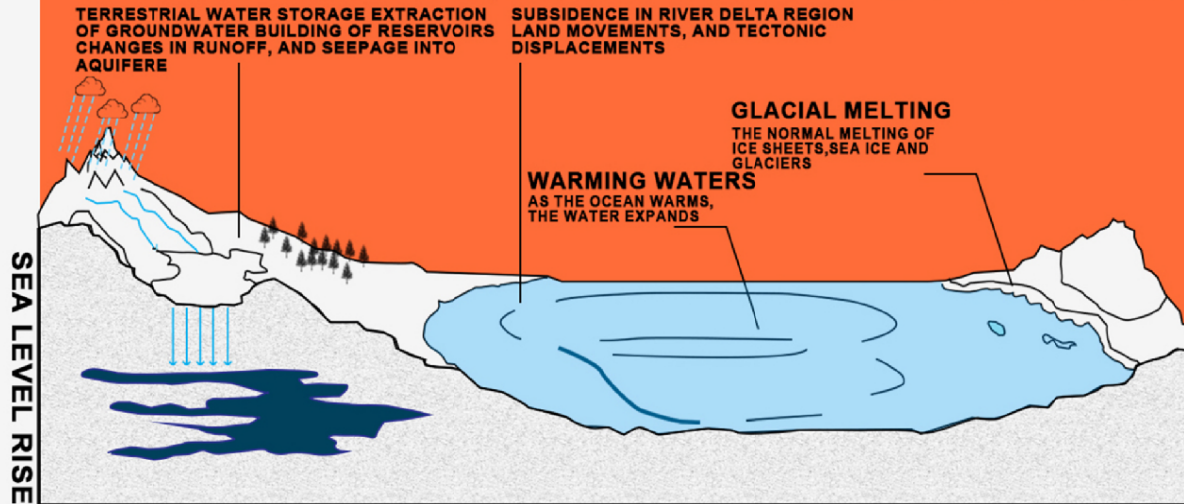


▼ SLR (SEA LEVEL RISING) IMPACTS AND CAUSES ON COSTAL AREAS



CAUSES



HUMAN ACTIVITIES



NATURAL EFFECTS

RISKS



HIGHER WATER LEVELS AND FLOODS
HIGHER WAVE HEIGHTS AND STORM SURGES

TEMPORARY SOLUTION



1 FORTIFY
KEEP WATER OUT



2 RETREAT

LAND RECLAMATION



TRADITIONAL SOLUTIONS LIKE LAND RECLAMATION METHOD IS FUNCTIONAL ONLY WHERE WATER DEPTH IS SHALLOW, MAX. 15-20M IN A SITUATION WHERE WATER DEPTH IS MORE THAN THE 20M.



THE SEABED WOULD BE VERY SOFT AND AS A RESULT, LAND RECLAMATION SOLUTIONS ARE NO LONGER COST EFFECTIVE OR EVEN REASONABLE. THEY ONLY SERVE AS TEMPORARY SOLUTIONS.



THE PRICE OF IMPORTED SAND FOR THE USAGE OF LAND RECLAMATION IN SOME AREA HAS INCREASED REMARKABLY AND A TIME COULD ARRIVE WHERE SAND MIGHT NOT BE EVEN OBTAINABLE FROM NEIGHBOR COUNTRIES.

CONTINUAL



3 ADAPT
LIVE WITH WATER

- ✓ TRADITIONAL SOLUTIONS LIKE LAND RECLAMATION METHOD IS FUNCTIONAL ONLY WHERE WATER DEPTH IS SHALLOW, MAX. 15-20M IN A SITUATION WHERE WATER DEPTH IS MORE THAN THE 20M.
- ✓ THE DISTINCT SUSTAINABLE AND FLEXIBILITY FEATURES OF FLOATING BUILDINGS IN SETTINGS AND ENVIRONMENTS MAKES THEM PREFERRED FOR THEIR VARIOUS APPLICATIONS AND ADVANTAGES.

ADVANTAGES OF FLOATING STRUCTURES

- ✓ COST EFFECTIVE
- ✓ ECOLOGICAL FRIENDLY
- ✓ UNCOMPLICATED AND FAST TO ASSEMBLY
- ✓ EASILY DISASSEMBLED OR TOTALLY WITHDRAWN IF THE SEA SPACE IS REQUIRED IN THE FUTURE
- ✓ THEY DO NOT SUFFER FROM A SETTLEMENT GAP BECAUSE OF THE RECLAIMED SOIL CONSOLIDATION
- ✓ THEIR POSITION IN SEASIDE WATERS OFFERS AN ATTRACTIVE FORM IN THE WATER, MAKING THEM AN APPROPRIATE FIT FOR FUTURE DEVELOPMENTS RELATED TO LEISURE ACTIVITIES AND WATER SPORT EVENTS