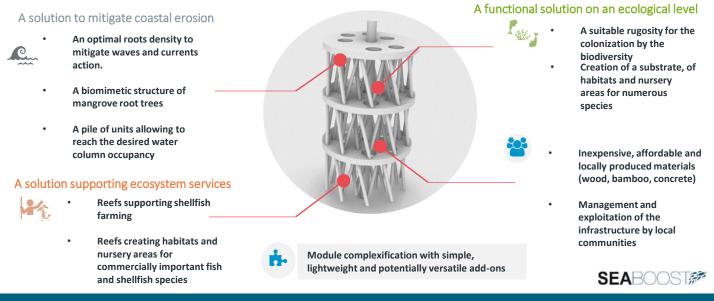
ROOT – NATURE-BASED SOLUTION TO PROTECT COASTLINE, RESTORE MANGROVES, AND GENERATE LOCAL ACTIVITIES AND ECOSYSTEM SERVICES

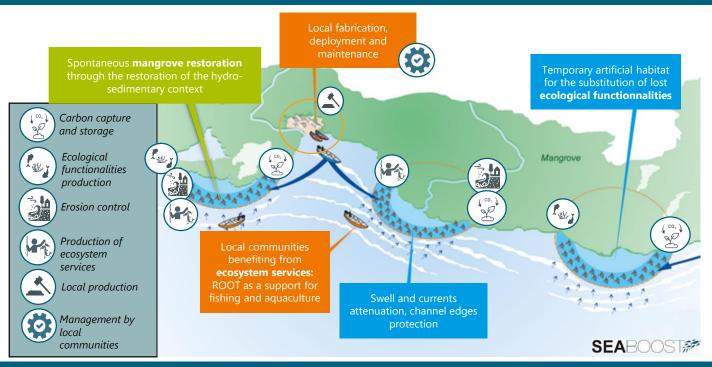




ROOT IS AN INNOVATIVE NATURE-BASED-SOLUTION THAT SUPPORTS MANGROVE RESTORATION THROUGH THE RESTORATION OF SUITABLE HYDRO-SEDIMENTARY CONDITIONS FOR SPONTANEOUS MANGROVE RECOVERY AND REPRODUCES MANGROVE PERFORMANCES FOR COASTLINE PROTECTION.



ROOT RELIES ON THE WORLD BEST PRACTICES TO UNDERSTAND AND MODEL DYNAMICS IN ORDER TO MITIGATE COASTAL EROSION. IT IS A POROUS MODULAR STRUCTURE, WHOSE SETTLEMENT PATTERN AND DIMENSIONS ARE CUSTOM-MADE AND ADAPTABLE TO BEST FIT AND EVOLVE WITH THE LOCAL CONTEXT.



ROOT IS A LOW TECH APPROACH, THAT EMPOWERS LOCAL COMMUNITIES TO PRODUCE, MAINTAIN , MANAGE AND EXPLOIT THE DEVICES. ROOT DESIGN ALLOWS THE PRODUCTION OF VALUABLE ECOSYSTEM SERVICES FOR COASTAL COMMUNITIES AS WELL AS KEY ECOLOGICAL FUNCTIONALITIES FOR LOCAL SPECIES.