COMPARING CARBON STOCKS IN MANGROVE AND SALTMARSHES HABITATS- CENTRAL ARABIAN GULF

18 March 2020
Outline

1. Goals and objectives
2. Achievements and outcomes
3. Post Projects Plans
Goals and objectives

Goal: Improve our understanding of the role of two ecosystems in Carbon emission mitigation

Objectives:
1- Preliminary valuation of blue carbon in saltmarshes and mangroves.
2- To compare storage capacity of two ecosystems (mangrove vs. salt marshes) for capturing and storing carbon.
3- Comparing the capacity of Gulf’s mangrove to store carbon with mangrove in less radical climatic conditions.
Achievements and outcomes

I- Enhancing local capacity to better manage the natural resources
II- Establishment of interdisciplinary team
III- Feasible incorporation of the values of blue carbon in marine coastal zone managements

Outcomes:
Field and analytical skills gain
Interaction with multidisciplinary team experience.
Photos and Dataset
Poster presentation
Scientific publication-In preparation

Comparing sediment carbon stocks in mangrove and saltmarshes- Central Arabian Gulf
Post Projects Plans

I. To expand the carbon mapping efforts
II. To involve stakeholders and public
III. To measure fluxes between reservoirs.
IV. To increase local awareness

Comparing sediment carbon stocks in mangrove and saltmarshes- Central Arabian Gulf