

Caribbean network for the prevention of coastal risks related with climate change



In 1983, the Caribbean nations adopted the Carthagena **Convention**, the only regional and legally binding agreement on environment. Among the three protocols stemming from the Convention, the Specially Protected Areas and Wildlife (SPAW) protocol is the one dedicated specifically to biodiversity conservation. It supplies a unique legal framework for the conservation of the region's biodiversity. This Protocol has been ratified by 17 countries. The SPAW-RAC (Regional Activity Center) is in charge of the implementation of SPAW protocol's activities.





482 551, 63€ 2 240 782, 41€ 3 021 890, 59€ **BUDGET** SPAW-RAC **Total cost FEDER (75%)**

erosion as well as more submersion risks. In this context, the Carib'Coast project, lead by the BRGM, has been launched late 2018. It aims to pool, cobuild and disseminate knowledge and surveillance approaches, coastal risk prevention and adaptation to climate change in the Caribbean.



| © Pivard S | High living coral c | over Best p | Best practicies : Protect / Restore Ecosystem Based Managment Engage small pilot project | | © Gibaud A |
|---|---|--|--|---------------------------------------|--|
| Erosion mitigation ++ - Sediment precipitation - Sediments stabilization - Sand production | Key herbivores Climate regulation - - Carbon sink | Protect Ecosystem Ba Engage sma | | | ion ++ion ++- Sand trap and stabilizationsink- Rain erosion mitigation- Erosion mitigation ++ |
| Erosion mitigation +++Climate regulation ++- Sediments precipitation- Huge carbon sinks- Sediments stabilization- Huge carbon sinks | | H Monitoring Go on bi | Monitoring / Lesson leanrt Go on bigger project | | - Up to 80% land sediments uptake - Sediments stabilization - Soil vertical and horzontal growth - Sea level adaptation |
| <image/> | | : gest species sia testudinum | Be Coastal prote | est is : High density ection ++ | Mangroves |
| | | astal protection + all waves and currents attenuation | - 15 to 65% of wave energy absorbed - Wind absorption - Flood mitigation | | © Pivard S |











Next steps

- WP3
- Pilot sites implementation
- Ecosystem syntheses : translation and sharing
- Soft solutions guide production
- Ecosystems satellite imagery
- Website release
- Training workshops : Mangrove restoration Coral reefs monitoring
- Communication tools
- Communication actions

Pilot sites

Regeneration enclosure Sargassum video tracking - Topo-bathymetric survey - Public channeling



Undefined yet



WP3





- Video coastal monitoring
- Water levels
- Wave data collection
- Hydro-morphodynamic numerical modelling
- Video coastal monitoring
- Reefs & seagrass imagery
- Solid waste management & mangrove restoration

2019

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