# [***Demonstration Project of Mangrove Conservation Based on Blue Carbon Trading***](https://advance.lexis.com/api/document?collection=news&id=urn:contentItem:64RN-T7H1-F11P-X02T-00000-00&context=1516831)

Mena Report

February 9, 2022 Wednesday

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**Length:** 602 words

**Body**

Grantee:Xiamen City Huli District Green Camp Ecological Civilization Promotion Center

Country:China

Area Of Work:Biodiversity

Grant Amount:US$ 0.00

Co-Financing Cash:US$ 50,000.00

Co-Financing in-Kind:US$ 13,599.25

Project Number:CPR/DLF/BD/2021/08

Status:Not active yet

Baseline information

Zhangjiang Estuary in Fujian is a wetland ecosystem reserve that mainly protects ***mangrove*** ecosystem, endangered species and high-quality aquatic germplasm resources in the southeast coasts of China. It is the most diverse and best-developed natural ***mangrove*** community on the north of the Tropic of Cancer in China. ***Mangroves***, salt marshes e.g. reed marshes, short-leaf water chestnut saltmarshes were the dominant communities here. Kandelia obovata, Bruguiera gymnorhiza, Avicennia marina are the dominant species.The ***mangroves*** here has high natural attributes and typical ***mangrove*** community characteristics, so the reserve is of great value for conservation and research and is a treasure of wetland biodiversity.

The local residents in the Zhangjiang Estuary generally take up tidal flat aquaculture, farming, and working out as their main sources of income. There is a close relationship between the residents daily life and ***mangrove*** conservation. Tidal flat aquaculturewas an important income for the residents in Zhuta Village, located in the project area. In recent years, the reserve authorities have carried out part of the work of returning ponds to forests. The ongoing education and awareness on ***mangrove*** protection helped increasing the rates of returning ponds to forests. Meanwhile, looking for alternative livelihoods and ensuring the lives of residents in the area is also the focus of future protection of local ***mangrove*** forests.

***Mangroves*** have ecological functions in terms of sequestering carbon, increasing carbon sinks and mitigating greenhouse gas emissions. ***Blue carbon*** has potential significance for the protection, management and restoration of ***mangroves***, and is one of the global strategies curb climate change and global warming. In the global ***blue carbon*** voluntary market, there have been eleven ***mangrove*** carbon sink trading projects. In September 2021, the first project of ***blue carbon*** transaction in Fujian Province of China was successfully completed, based on the "***Mangrove*** Carbon Sinks Afforestation Methodology" developed by the applicant, Dr. Luzhen Chen. This transaction is highly market-oriented, which is Clearing invasive Spartina alterniflora and planting ***mangroves***, reflecting the coordination of biological invasion control and ***mangrove*** restoration,biodiversity protection and community development. Therefore, ***mangrove*** ***blue carbon*** trading can become a part of the alternative livelihoods for local communities. The development of future carbon trading models can provide financial support for both the restoration and protection of the ***mangroves*** and community development.

At the same time, the youth are the main force to fight against climat

Project completion date : 2024-12-31 12:00:00

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**Classification**

**Language:** ENGLISH

**Publication-Type:** Web Publication

**Journal Code:** 193

**Subject:** BIODIVERSITY (90%); BLUE ECONOMY (90%); COASTAL AREAS (90%); CONSERVATION (90%); ECOLOGY & ENVIRONMENTAL SCIENCE (90%); FRESHWATER ECOSYSTEMS (90%); PLANT CONSERVATION (90%); SALTWATER ECOSYSTEMS (90%); WETLANDS (90%); CARBON CAPTURE & STORAGE (89%); EMISSIONS CREDITS (89%); BIOLOGY (78%); ENDANGERED SPECIES (78%); FORESTRY & ENVIRONMENT (78%); EMISSIONS (77%); CLIMATE CHANGE (75%); INVASIVE SPECIES (75%); FOREST RESOURCES MANAGEMENT (69%); GLOBAL WARMING (69%); GREENHOUSE GASES (62%)

**Industry:** BLUE ECONOMY (90%); PRESS AGENCY RELEASES (90%); EMISSIONS CREDITS (89%); FORESTRY & ENVIRONMENT (78%); EMISSIONS (77%); FOREST RESOURCES MANAGEMENT (69%); GLOBAL WARMING (69%); AQUACULTURE (66%)

**Geographic:** FUJIAN, CHINA (92%); SOUTH CHINA (73%); CHINA (94%)

**Load-Date:** February 10, 2022

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