IPReM

Greater Caribbean 2023

IDENTIFICATION | PROTECTION | RESTORATION | MANAGEMENT

JUNE 28th-30th, PANAMA

Science and technology for sustainablebeaches in a climate change scenario

ACS AEC
ASSOCIATION OF CARIBBEAN STATES
ASOCIACION DE ESTADOS DEL CARIBE
ASSOCIATION DES ETATS DE LA CARAIBE

CARIBBEAN SEA COMMISSION
Preserving what connects us

KOICA
Korea International Cooperation Agency

CITMA
MINISTERIO DE CIENCIA TECNOLOGIA Y MEDIO AMBIENTE

REPÚBLICA DE PANAMÁ
GOBIERNO NACIONAL
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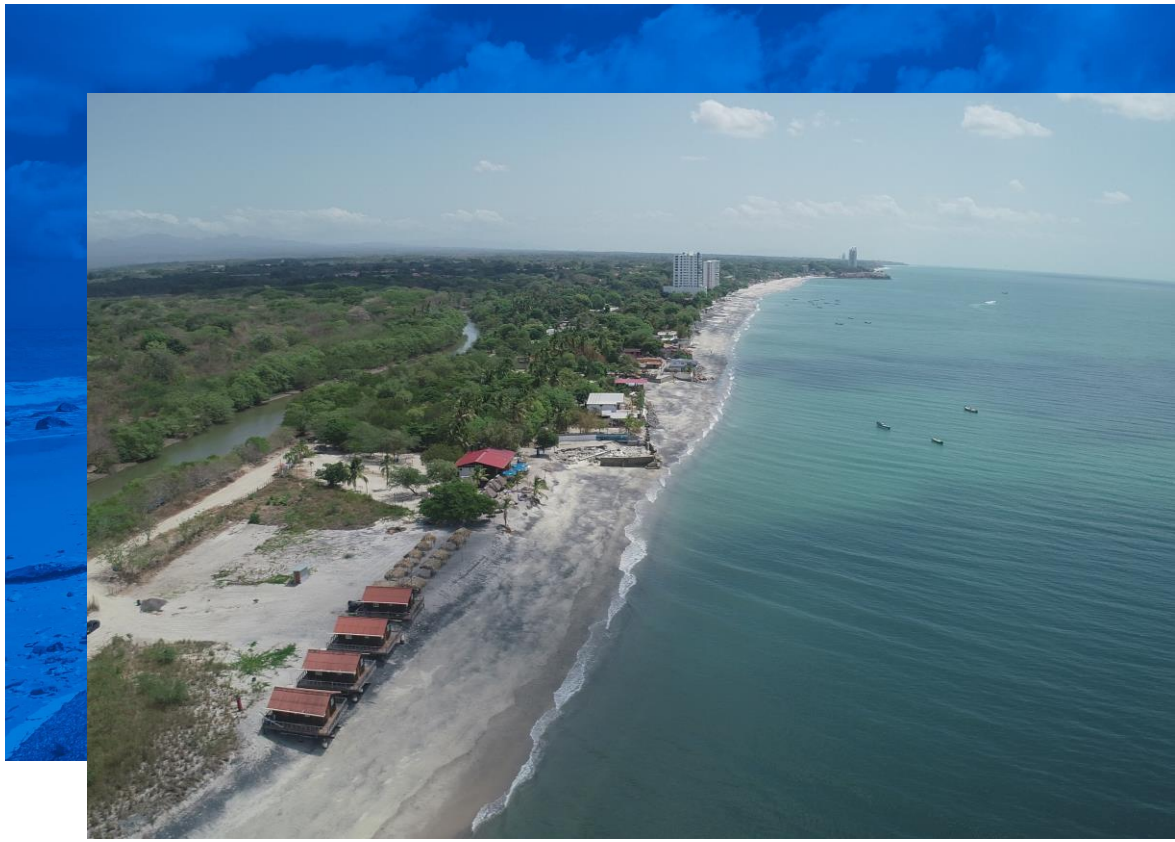
Risk Assessment in the Pacific Coast of Panama due to coastal erosion and flooding

Víctor Gómez

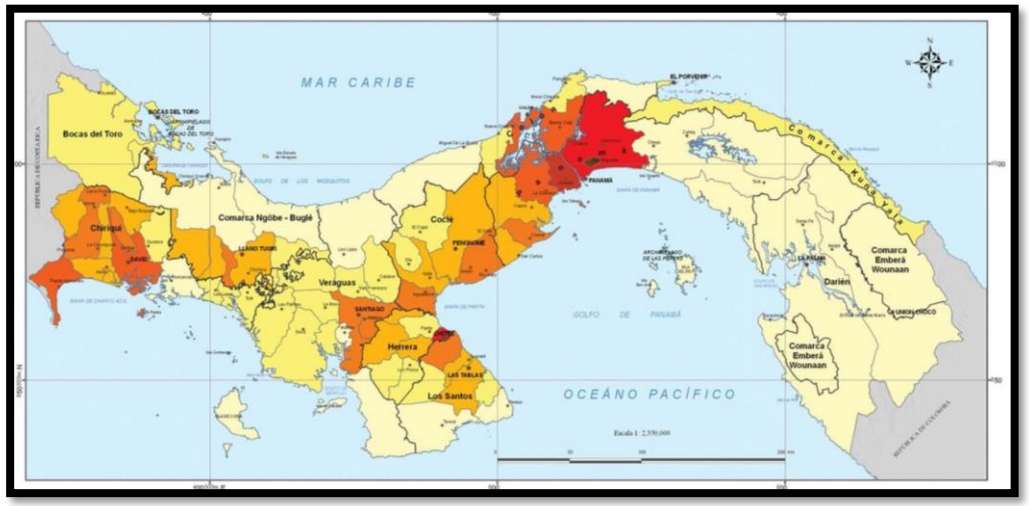
Universidad Tecnológica de Panamá



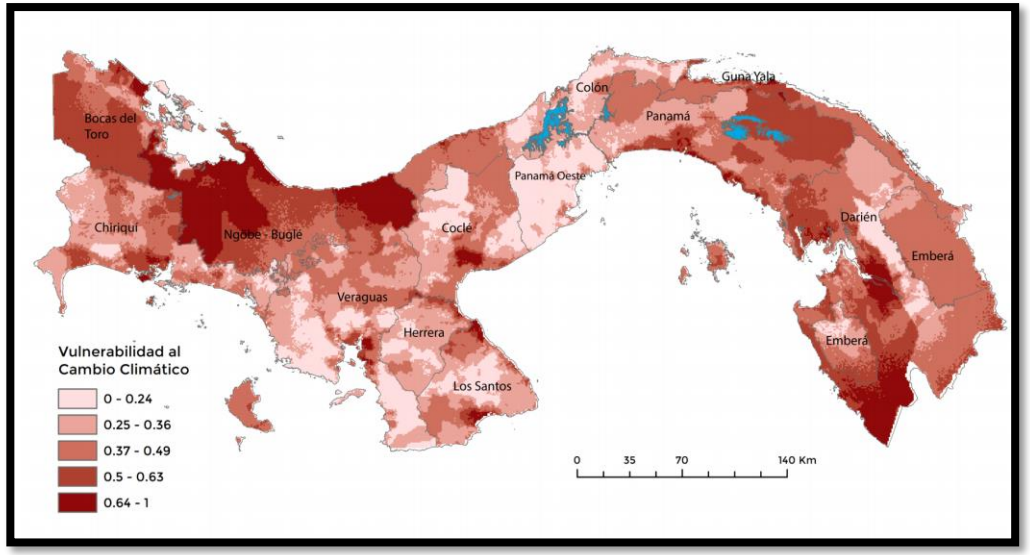
Coastal Systems

- Coastal Zone
- Shoreline Position
- Erosion vs. Accretion
- Beach width and “beach health”
- Coastal hydrodynaimics
- Climate Change

Study Importance



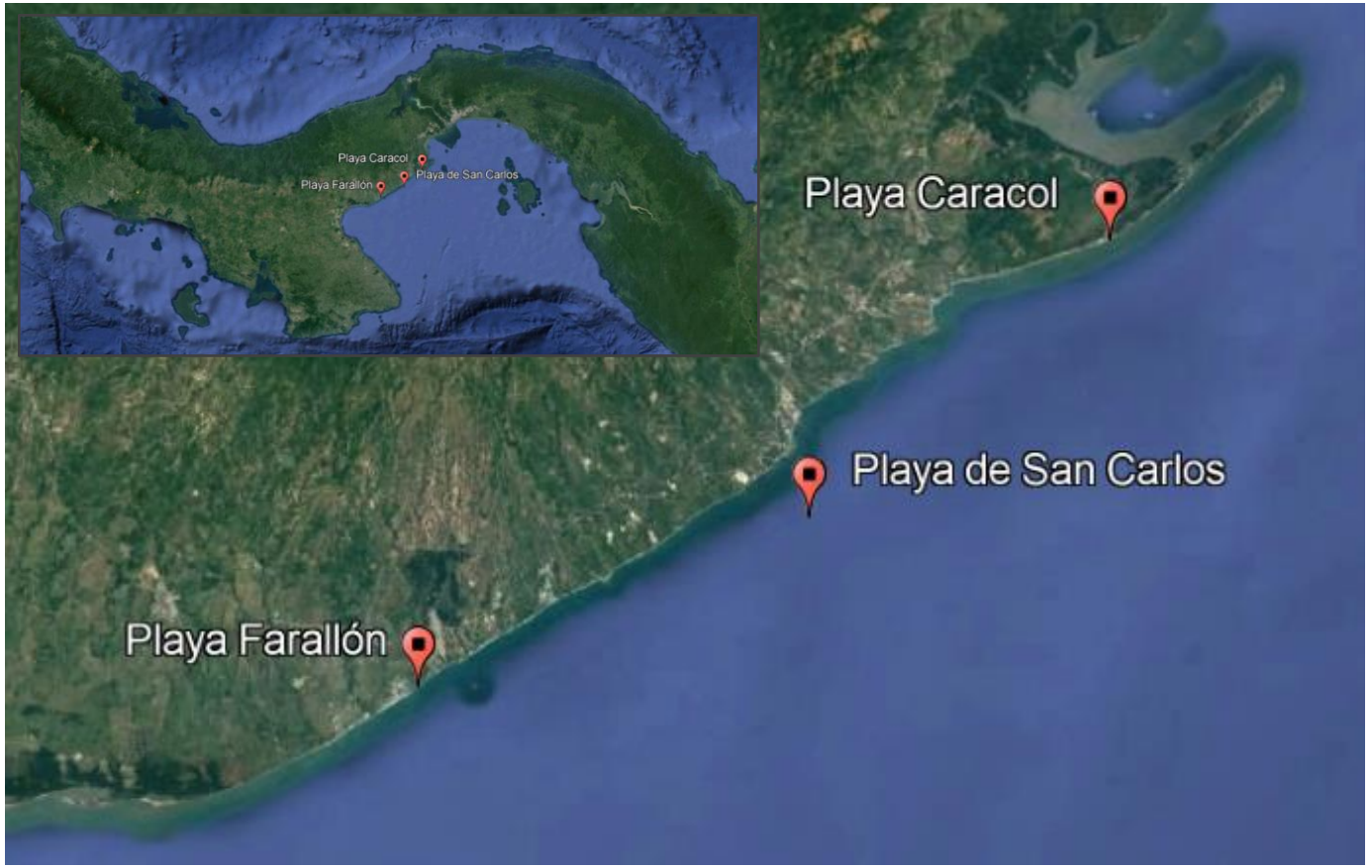
Population Density., MiAmbiente, 2010



Vulnerability Index Map, MiAmbiente, 2021

Study Sites

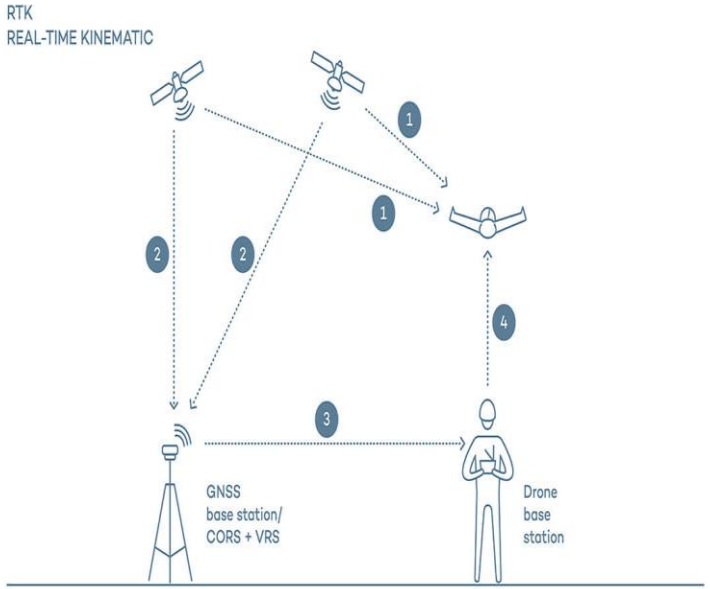
- Playa Caracol, Chame
- Playa Farallon, Río Hato
- Costa Esmeralda, San Carlos



Data Collection

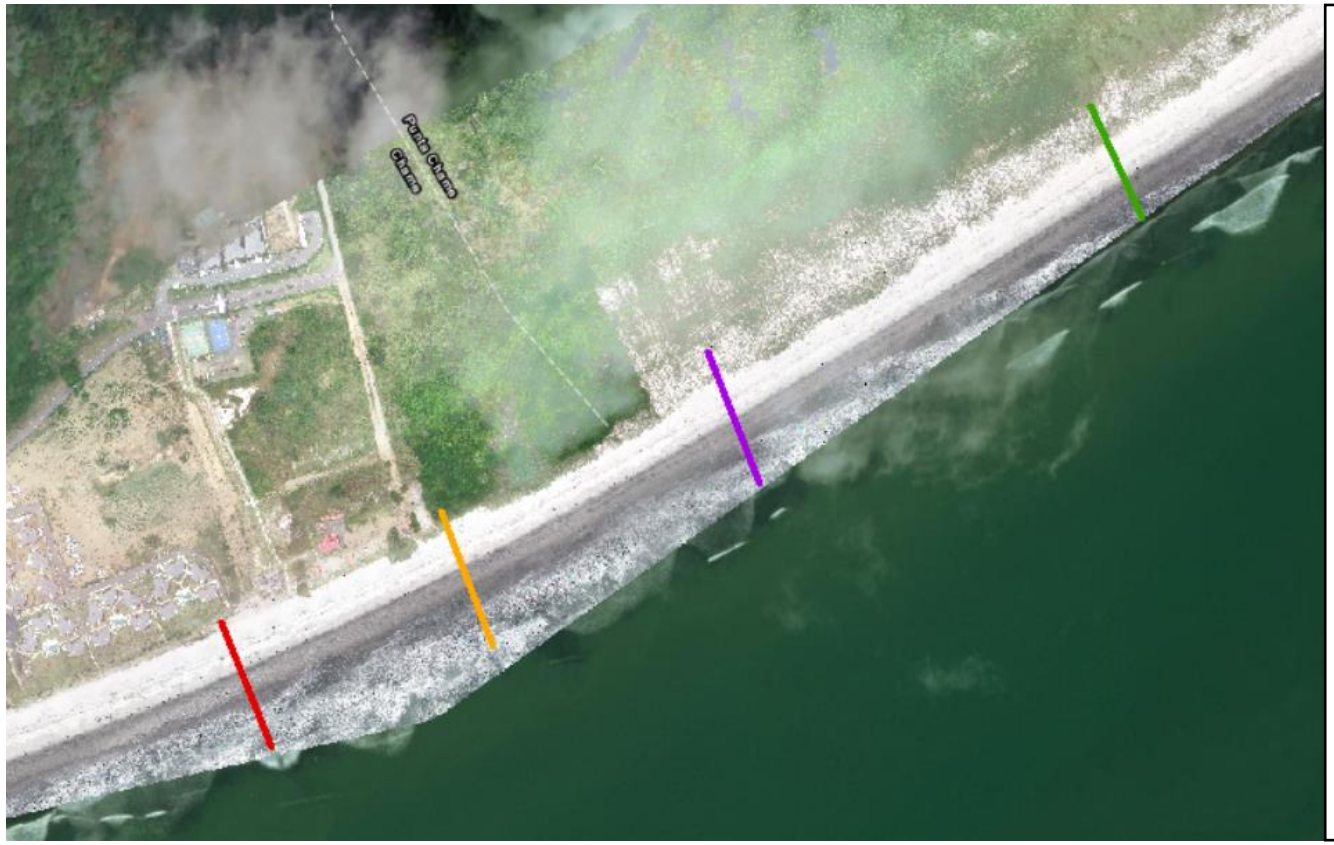
Drone Flyovers in Farallon

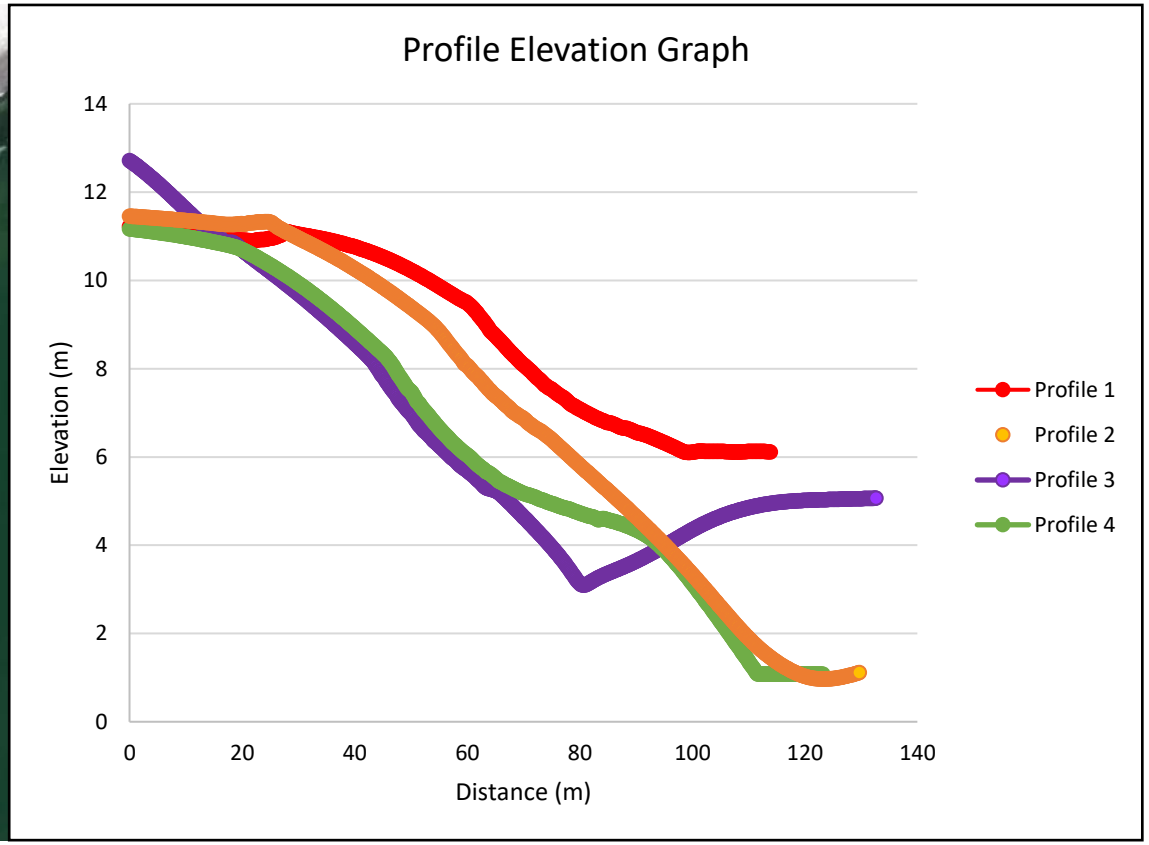
Drone Flyovers in Caracol



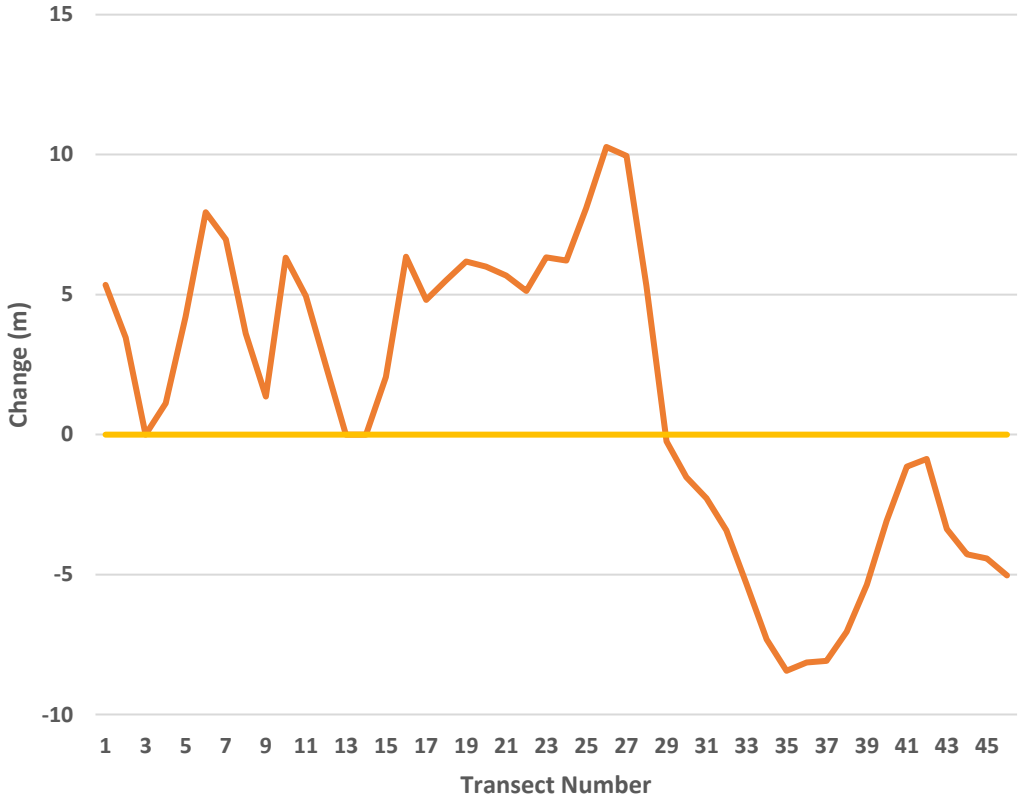
RTK Technology

Results: Beach Profiles



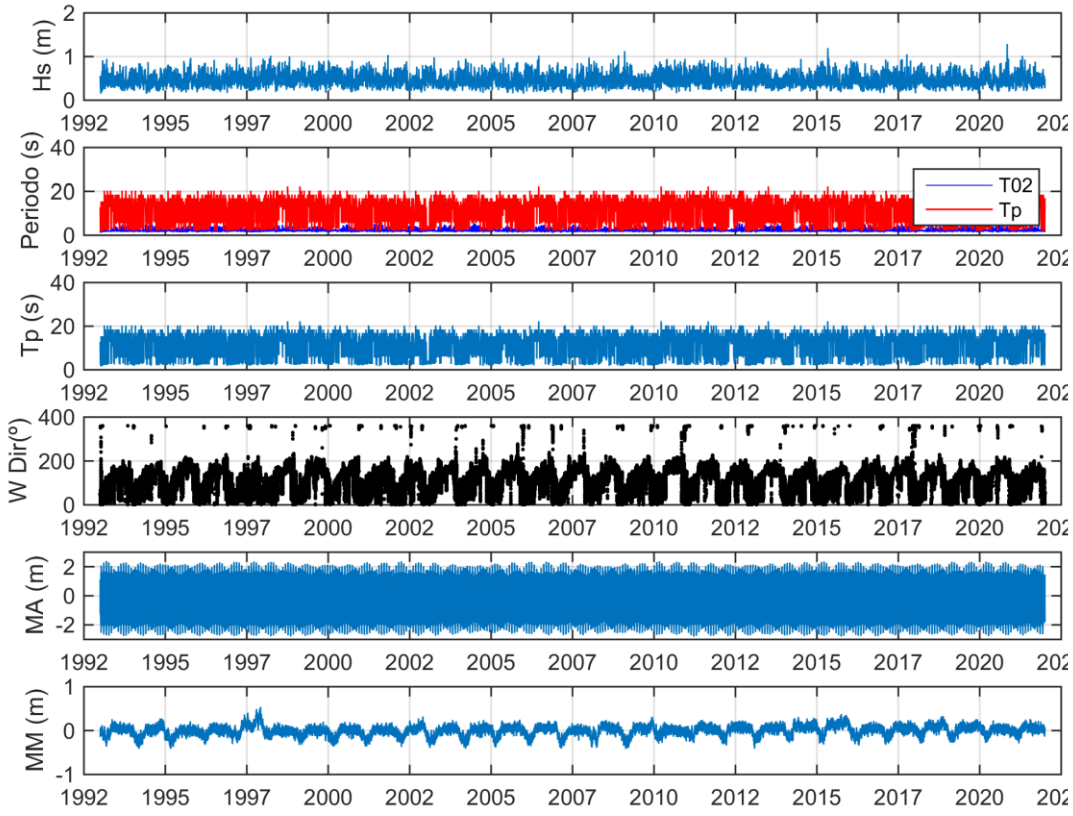


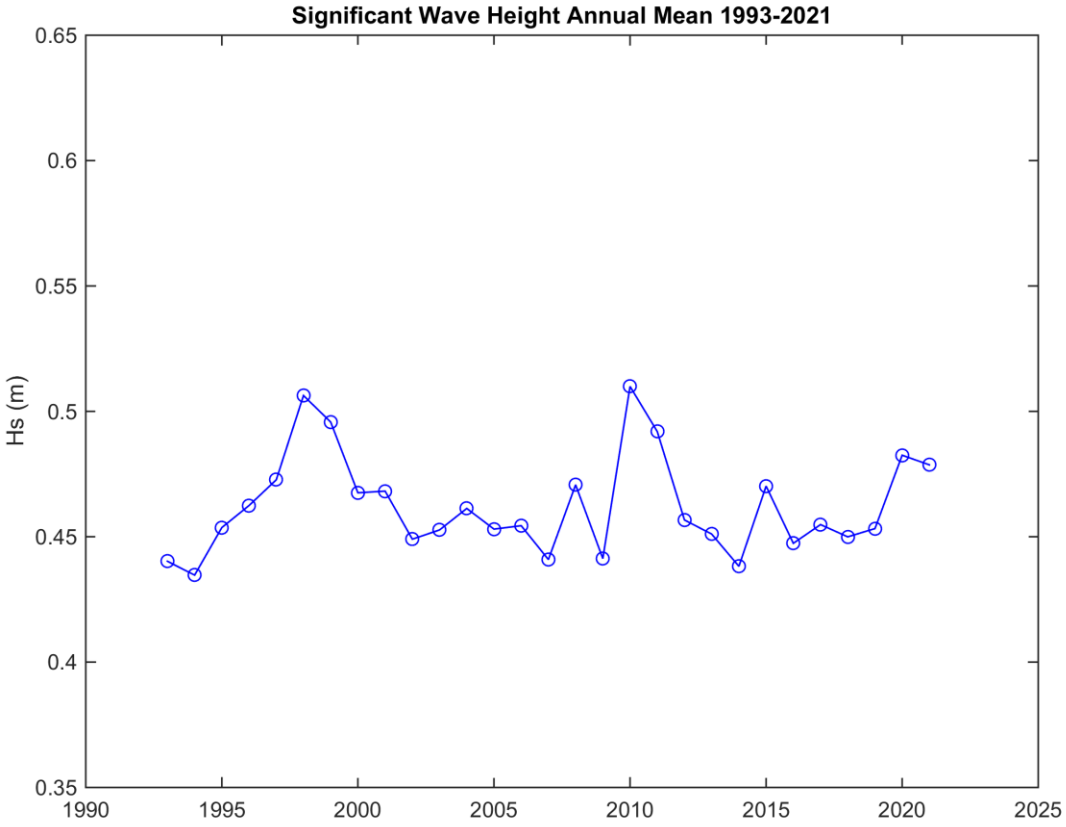
Results: DSAS



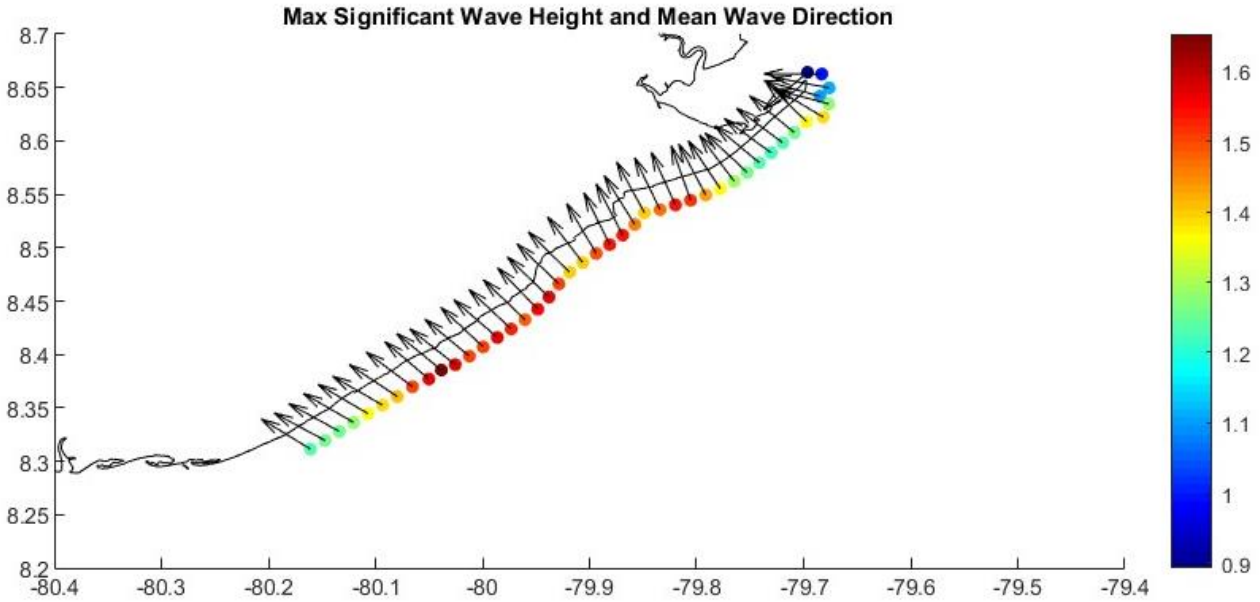
San Carlos beach: coastal land use changes

Coastal Hydrodynamics

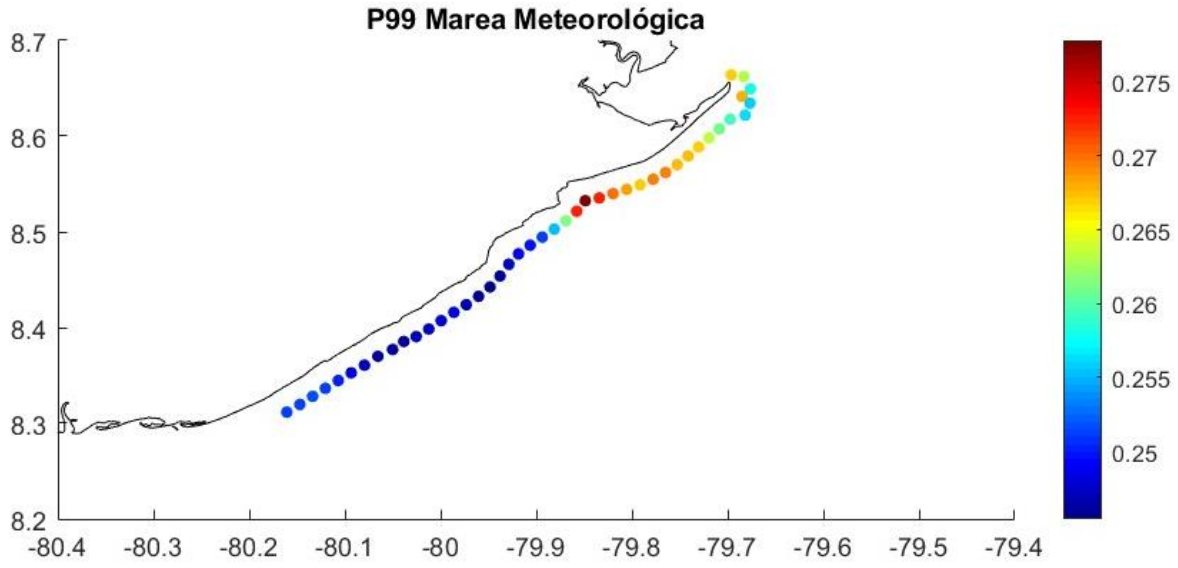




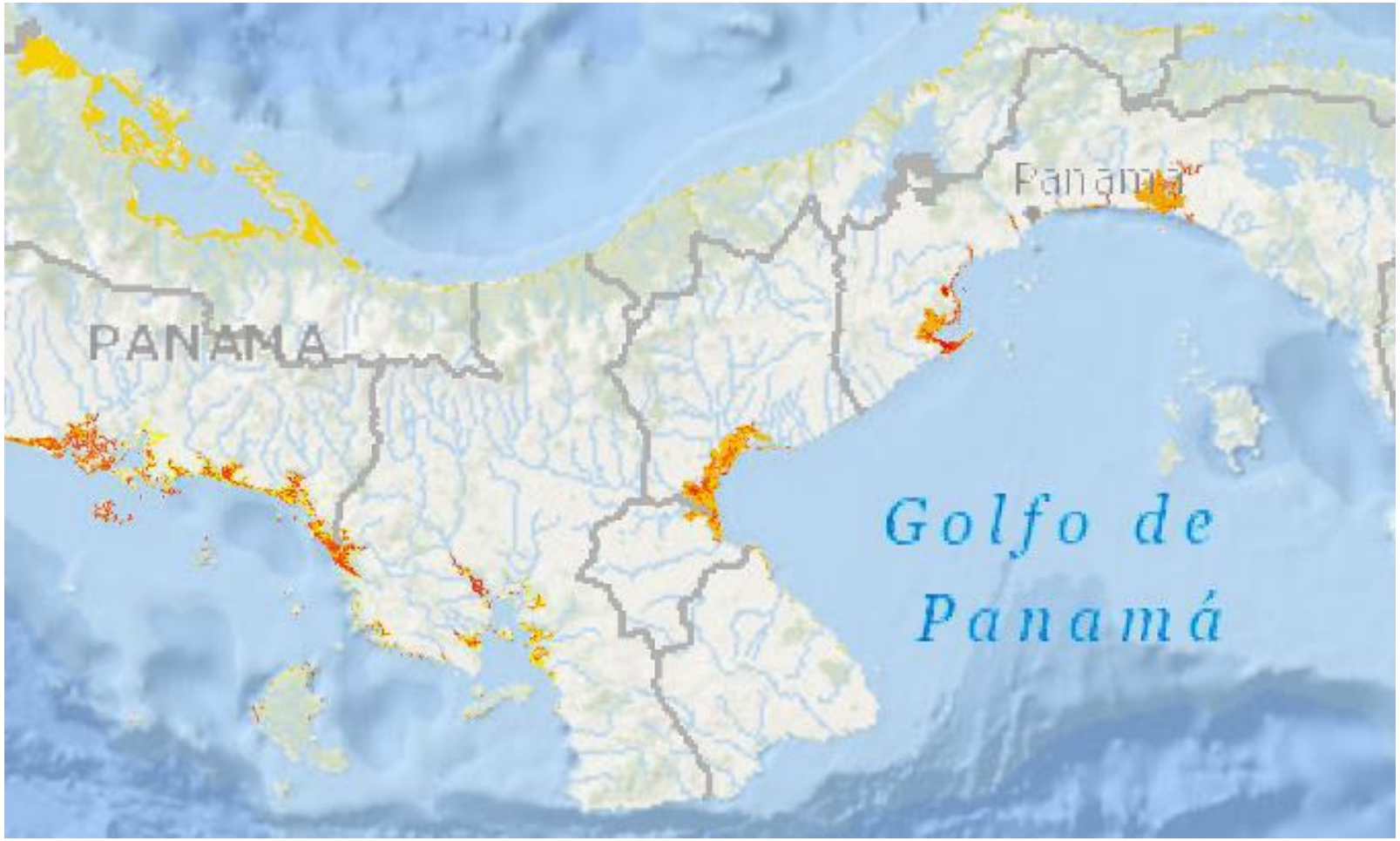
Spatial Variations



Dirección y Altura de la Ola



Marea Meteorológica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Panamá
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Sistema Nacional de Investigación

Secretaría Nacional de Ciencia, Tecnología e Innovación

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