



WWF GUIANAS

INVITATION FOR BIDS

**DEVELOP A PARTICIPATORY 3-D MODEL (P3DM) OF THE EXCLUSIVE
ECONOMIC ZONE (EEZ) OF SURINAME**

Tender for Project:

**PROMOTING INTEGRATED OCEAN AND PARTICIPATORY GOVERNANCE IN
GUYANA AND SURINAME: THE EASTERN GATE TO THE CARIBBEAN”**

EuropeAid/150699/DH/ACT/Multi-7

Deadline for Application: 20 February 2018

A. OBJECTIVE

To develop Marine Participatory 3-Dimensional Models (P3DM) for the Exclusive Economic Zone (EEZ) of Suriname.

B. BACKGROUND

The project: “*Promoting Integrated and Participatory Ocean Governance in Guyana and Suriname: the Eastern Gate to the Caribbean*” commenced in early 2017 and was officially launched in July 2017. This four-year project is funded by the EU and covers the coastal and marine areas of Suriname and Guyana. The project is implemented through a partnership between WWF Guianas, Green Heritage Fund Suriname (GHFS), Guyana’s Protected Areas Commission (PAC) and the Nature Conservation Division (NCD) of the Suriname Forest Service (‘s Lands Bosbeheer). The project aims to significantly enhance the governance and protection of marine and coastal resources of Guyana and Suriname through collaborative processes with all ocean stakeholders, improved knowledge of the coastal and marine environment, enhanced capacity of key stakeholders and informed marine spatial management. It will contribute to substantial progress towards achieving Aichi targets 4, 6, 10, 11 and 14 under the Convention of Biological Diversity (CBD).

The project area supports important fisheries, major nursery grounds, spawning grounds and a rich diversity of marine species and is of both regional and global significance. Whilst key threats are recognized, there are significant data gaps which hamper efforts to sustainably manage the marine environment. This project will fill these critical information gaps by developing comprehensive and visually appealing spatial data, placing engagement of key marine stakeholders at its heart, facilitating a participatory approach to marine decision making regarding marine protection and management.

A major component of the project is **Marine Participatory 3-Dimensional Modelling (P3DM)**, a community-based and stakeholder based process, which integrates local spatial knowledge with topographic data to produce a physical 3-D model assembled by mapping participants. The value of a marine P3D Modelling process is grounded in the engagement of stakeholders from the beginning of the planning process, which may result in more effective, transparent and durable interventions and can foster a collective decision-making process that may engender ownership of spatial planning processes. A marine P3D Model may constitute a powerful communication and negotiation tool for an actor-led marine spatial planning. This approach will enable information that is only available with certain stakeholders to become available with everyone, greatly increasing the knowledge of all participating stakeholders, but also with the government and general public.

C. APPROACH

The proposed approach for the mapping process should include both existing geographical information and the (spatial) knowledge of local people. The assignment will preferably be carried out by a consultancy team to meet the diverse challenges for this analysis. The consultants should mutually arrange the planning and division of the work.

D. TASKS

a) General Task:

Develop a Marine Participatory 3-Dimensional Model for Suriname and generate a platform for dialogue among stakeholders regarding marine zoning in Suriname.

b) Specific Tasks for the consultant:

1. Produce a detailed workplan for the Marine P3DM exercise in Suriname.
2. Select participants from existing stakeholder list and mobilize the participants to participate in structural participatory group discussions.
3. Gather geo-coded data such as bathymetry maps for the study area.
4. Prepare thematic base maps and model based on Bathymetry (Blank Model); following the sea scape contours (scale 1:100.000) of the entire EEZ of Suriname. Resulting in a blank model of roughly 2 by 3 m
5. Develop a map legend, through the participatory group discussions mentioned here above (ad.2).
6. Populate the 3D model, through the participatory group workshops and discussions with the selected stakeholders, in close consultation with project partners, as mentioned here above (ad.2).
7. Assemble and populate the 3-D model with specific data sets including habitat cover, resource use and tenure, social infrastructure, settlements, sites of cultural significance, selected endangered species, among others.
8. The geographical scope of the model will be finalized after discussions with project partners and stakeholders.
9. Prepare a physical 3-D Model (scale 1:100.000) of approx. 2 by 3 meters.
10. Present final 3-D Model to all stakeholders.
11. The geographical scope of the physical model will be finalized after discussions with project partners and stakeholders.
12. Prepare a digital version of the marine P3DModel, verify and cross reference the P3DM into GIS environments and further analyze and compare with other digital scientific data sets in selected areas.
13. Take all administrative requirements and verification methods into account to record and verify all activities and outcomes with regards to the development process and results of this P3DM exercise. The participatory process is an essential part of this P3DM process. Evidence of the participation, engagement and confirmation of stakeholders needs to be collected and included in the reporting
14. Produce the following communication/ educational materials related to the outputs of this project:
 - A peer reviewed publication of the P3DM process and outcomes.
 - Printing of a physical 3D Model (2 by 3 m) (as in Point 9)
 - A brochure with information on the 3D Model and legends.
 - 150 T-shirts for participants

E. REPORTING AND DELIVERABLES

- The assignment should take place between March and November 2018
- A work plan stipulating the proposed work procedure and implementation of the specific tasks for the consultant.
- Approx. 11 Participatory group workshops/discussions: for developing the legend and populating the 3-D model.

- A Midterm progress report.
- Draft, customized maps and the model are validated.
- Digital Geo-referenced 3-D model and thematic maps.
- A final physical Marine P3D Model of an estimated 2-3m in size for the EEZ of Suriname (scale 1:100.000).
- Presentation of final P3D Model
- A brochure with information on the 3D Model and legends.
- A peer reviewed publication
- 150 T-shirts
- A Final project report.

F. QUALIFICATIONS

Main qualifications for consultant(s):

1. University degree in conservation, social or environmental science.
2. At least 5 years' experience in community engagement, stakeholder consultation and participatory 3D modelling preferably in Latin America and the Caribbean.
3. Excellent knowledge of and experience with GIS.
4. Excellent networking, facilitation, leadership, and communication skills.
5. Experience in working in cross-cultural environments, with communities and grassroots organizations
6. An accurate understanding of the social, economic and cultural issues pertaining to conservation and environmental protection in the Guianas is preferred.
7. Good scientific writing skills.
8. Fluency in Dutch and English, fluency in Sranan Tongo is preferred.

G. REMUNERATION

Payment will be made in three installments (related to the reporting schedule):

- Advance upon contract signing (expenses)
- After submission and approval of the midterm report (fee and settlement of expenses)
- After submission and approval of the final report (fee and settlement of expenses)

H. BUDGET

Template budget in Euro or US\$

ITEMS	UNITS	UNIT/COSTS	TOTAL COSTS
FEES			
Total Fees			
EXPENSES			
Costs of approx. 11 stakeholder sessions in Suriname *)			
Travel expenses for Consultants to participate in sessions			
Total expenses			
VISIBILITY			
150 t-shirts			
Digital 3-D model and thematic maps			
Printing of 3D Model of (2-3m)			
Brochure			
Total Visibility			
TOTAL			

*) a list of target participants can be obtained on request.

I. ELIGIBILITY

This assignment takes place as part of an EU funded project, Applicants need demonstrate that they are legally established in an eligible country as per the rules on participation in procurement procedures and grants of the European Development Fund:

<https://webgate.ec.europa.eu/europeaid/prospect/internal/noauth/externalDocumentDownload.htm?id=104074&lang=en> .

APPLICATION DEADLINE AND PROCEDURES

Please send your bids by MIDNIGHT Suriname time **20 February 2018**. Applications should include: a cover letter, CV (s) of expert (s) / consultant (s), a proposal for completing tasks and deliverables including a description of the methodological/conceptual approach to carry out the assignment, a workplan and a budget breakdown.
