**Developing an Earth Observation Operational Application for Coastal Ecosystems Mapping, Monitoring and Assessment of the Northern African Coastal Zone –** **NAfCOAST**

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| [ **Kick-off Meeting MoM**][2018] |  |

**WP: [ ]**

**Task: [ ]**

[13/11/2018]

[NARSS – Lead Intitute]

[EGYPT]

 **NARSS Document Control**

Title: GAP Analysis Report

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| Submitted to: |  All partners |
| Date submitted: | 12/11/2018 |
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| Quality control by: | Dr. Zakaria Yehia |
| Version: | 3 |

Version Control History

|  |  |  |  |
| --- | --- | --- | --- |
| Author | Date | Comment | Version |
|  Nesreen Khairy | 10 November 2018 | First Draft | 0.1 |
|  Dr. Zakarya Yehia/ Mohamed Zakzouk | 11 November 2018 | Final Draft review | 0.2 |
|  Dr. Omar Elbadawy/ Mohab Hani | 11 November 2018 | Final Draft review | 0.3 |
|  Elham Ali | 12 November 2018 | Final | 1 |

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# Introduction

The NAfCOAST kickoff meeting was held in Cairo, Egypt from 8-9 November 2018. This meeting is the first meeting with the project team and partners of the project. The meeting aimed to agree on the definition of the base elements for the project and other project planning activities. Other challenges and of the project that involve policies, stakeholders engagement together with the timeline were also discussed at this meeting (schedule, status reporting, etc.).

# Meeting Agenda

The meeting started on 8th of November at 9:30 as scheduled. (Annex I). The participants of the meeting are in (Annex II)

**Day 1: 8th November 2018**

## Opening

All partners presented shortly their institution, the involved staff and the activities in the project.

Prof. Mahmoud Hussein NARSS’s Chairman welcomed all the attendees and expressed his pleasure to provide support to such collaboration between the North African countries.

Dr. Omar Elbadawy on behalf of H.E. Dr Nadia Makram Ebeid the Executive Director of CEDARE also welcomed all the attendees and emphasized on the importance of the project.

## Project Introduction Session:

The project PI/ Prof. Islam Abou El-Magd presented the road map and strategies to ensure covering all project targets. It included the action plan for the first 6 months of the project including data sharing methods, solving technical issues and training needs for all the partners.

##

## Project Admin Presentation

The project admin presented the responsibility for each partner during the project. That included work packages for each partner, project tasks, expected outcomes, deliverable dates and training needs. Dr. Adel from CERT, Tunisia asked to clarify more on each working package responsibility. Dr. Zakria Yehia confirmed that each partner will lead the others in his work package to ensure data integration and completeness.

## Partners Presentations

Each partner is responsible for a work package during the project and theses presentations was to present the view on how to cover his package needs.

1. CERT Presentation:

CERT is responsible for the Socio-economic package. PMP. Sonia Kammoun and Dr. Adel presented how they country face soci-economic challenges and how to involve stakeholders. Dr. Adel confirmed also on the need for unifying the standards for socio economic studies between the different partners. Also, sharing models and need for updated images.

1. IMROP (Institut Mauritanien De Recherches Océanographiques Et De Pêches)

Dr. Dia Abdoul and Dr. Moustapha Bouzouma presented the vulnerability and risk assessment and hotspots package. The study included temperature Changes effect during several years, current situation of pollution and different species samples. They presented the effect of temperature changes on marine life so Prof. Islam Abou El-Magd confirmed the need for updated sources for sea surface temperature (circulation) to study its effect on the marine area.

1. Chouaib Doukkali University

Dr.Kamal Labbassi introduced the physical package of the project and presented one of the completed studies in Morocco. They used AVNIR, SAR and ERS images to study water quality, shoreline protection and land subsidence.

##

## Comunication Activities

Dr. Omar Elbadawy and Prof. Elham Ali presented the communication package on how to organize and ease the follow of communication between partners. CEDARE also asked partners to comment on project logo, slogan and report templated to be unified in all project documents. Many useful comments were gathered and discussion will be continued through online tools.

## eStation Presentation

Eng. Mohamed Zakzouk presented an automated earth observation and processing system developed by JRC. It may help in data collection and only Mauritania has one of these stations but out of service. So, Prof Islam Abou El-Magd asked Mauritania Partner to deliver a technical report about the current status of their e-Station to start negotiation with the AUC and JRC for maintenance of this station.

## Project web-site

Eng. Ahmed Osman and Eng. Nouran Armanzi presented the proposed content and way of organization for the project website and portal. They collected wide range of useful comments. Prof. Mahmoud Hussien asked that the website must have a scientific supervision.

**Day 2: 9th November 2018**

## Wrap up of the previous day:

Prof. Islam Abou El-Magd presented services Priorities, need for data and models gap analysis and supposed deadlines for the immediate action plan. He also asked all partners to determine their training needs. Mauritania and Tunisia partners asked basic and advanced remote sensing courses, basic and advanced GIS courses. Morocco partner asked for applied remote sensing in marine application (e.g. biology). Tunisia offered that they can provide economic training.

##

## NARSS Presentation (WP3)

Prof. Elham Ali introduced the biological work package 3 of the project and presented how this work package would be managed and what priority parameters need to be measured for developing the required services. She also presented some examples of studies conducted at NARSS for a part of the northern Mediterranean coastal zone.

## Project Portal

Eng. Ahmed Osman continued the discussion on how to organize the web geoportal, favorable data formats, data editing and privilege. Dr. Islam Abou El-Magd and Dr. Adel Abdouli asked that the source code of the developed apps should not shared without the permission of the AU.

## Recommendation and closing

* All partners filled deliverables dates and sources and sent to Dr.Zakria Yehia.
* Each partner is supposed to determine the data models for his WP, Geodatabase structure and gap analysis report.
* Coming meeting will be in late December 2018 - early January 2019 to harmonize the delivered conceptual designs of geodatabase, plans for implementation and pave the road for the coming cycle of the project.
* All partners agreed on the following short term action plan

|  |  |  |  |
| --- | --- | --- | --- |
| **Action** | **Partner** | **Deadline** | **Remarks** |
| Template of the report – (GAP Analysis) | Egypt | 14 November | Table of contents |
| Identify the geographical area of study | All Partners | 16 November | Shapefile (Send to NARSS) |
| Identification of the list of beneficiaries, stakeholders, end users of the project with a vision on how to engage them in the project | All partners | 16 November | Report(send to NARSS) |
| Conceptual design of the geodatabase of WPs variables | 1. Morocco WP2
2. Egypt WP3
3. Tunisia WP6
4. Mauritania WP4
5. Cartologic WP5
6. CEDARE 7
 | 23 November 2018 | Narss to send sampleReport(send to NARSS |
| Identification of priority services and the spatial layers for each services | All Partners | 23 November 2018 | Report(send to NARSS |
| Identification of the models and methods to be used | All partners | 30 November 2018 | Report(send to NARSS |
| GAP analysis of data, models, policies, capacity, etc. | All partners | 30 November 2018 | This report should summarize at the end the needs to fill in these gaps |
| Identification of the thematic areas, and geographical areas of the hotspots | All partners | 30 November 2018 | Send to NARSS as a Report and shapefile |
| Action | Partner | Deadline | Remarks |
| Adoption of all models and methods | All partners | 7 / 12 2018 |  |
| Plan of in-situ data collection | All partners | 7/12/2018 | Report(send to NARSS) |
| Launch of the website and upload all the above documents | Cartologic |  |  |
| Second meeting | All partners | End December/early January | To discuss, adopt, approve all the above guidelines to start real processing of the project |

**Annex 1 (AGENDA)**

**Developing an Earth Observation Operational Application for Coastal Ecosystems Mapping, Monitoring and Assessment of the Northern African Coastal Zone – NAfCoast**

**Kick off Meeting**

**Cairo, Egypt, 8-9 November 2018**

**Agenda**

**Day 1: Thursday November 8, 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time**  | **Item** | *Lead* | *Moderator* |
| **9:00 - 9:30** | **Coffee Break**  |  |
| **09:30 - 09:45** | **Opining**  | *Dr. Mahmoud Hussein Chairman of NARSS* *Dr. Nadia Makram (CEDARE)* |
| **09:45 - 10:45** | **Introduction** * Orientation of meeting and the agenda objectives
 | *NARSS* | *Dr. Islam Abou El-Magd* |
| **10:45 - 11:00** | **Coffee Break**  |  |  |
| **11:00 - 13:00** | **Country presentation*** Tunisia
* Mauritania
* Morocco
* Egypt
* Discussion
 | *NARSS*  | *Partners* |
| **13:00 - 13:30** | **Communication Strategy*** Communication activities
* Strategies of marketing the service

Discussion  | *CEDARE* |  |
| **13:30 - 14:30** | **Lunch** |  |  |
| **14:30 - 15:30** | **Project portal and website*** Website
* Portal
* Discussion
 | *Cartologic*  |  |
| **15:30 - 16:30** | **Service Delivery*** Service packs
* Targeted users
* Means of Service Delivery
* Dissemination Channels and platforms
* Periodicity
* Stakeholder engament
 | *All* |  |

**Day 2: Friday November 9, 2018**

|  |  |  |  |
| --- | --- | --- | --- |
| **09:00 - 10:00** | **Wrap up of the first day: key summary points on the Service delivery and data access and technical issues** | *NARSS* | *Dr. Islam* |
| **10:00 - 11:30** | **Key Issues –** * Data needs and access issues
* Data Access Implementation
* Road Map
 | *All* | *Dr. Zakaria* |
| **11:30 - 12:30** | **Coffee Break** |  |  |
| **12:30 - 13:45** | **Implementation Plan*** **Action plan by each partner**
* **Follow up plan**
 | *All* |  |
| **13:45 - 14:15** | **Closing** |  |  |
| **14:15 - 15:15** | **Lunch** |  |  |

**Annex II (List of Participants)**

**Developing an Earth Observation Operational Application for Coastal Ecosystems Mapping, Monitoring and Assessment of the Northern African Coastal Zone**

 **NAf*Coast***

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