



Canary Current Large Marine Ecosystem (CCLME) Coastal Marine Atlas

DATA, METADATA AND DATA PRODUCTS

By
Anis DIALLO

NODC-SN DATA MANAGER, CRODT/ISRA, BP. 2241 Dakar, Senegal
Email: anisml.diallo@gmail.com





INTRODUCTION

CCLME Coastal marine atlas was design under the **ODINAFRICA** project, (<http://www.odinafrica.org/>) in the context of '*African Coastal Marine Atlas*' (**AMA**) (<http://www.africanmarineatlas.org/>)



DATA AND DATA MINING

- 1. National Data are collected from participative National Data Centers;**
- 2. Data mining are also done from differente sources.**





DATA AND DATA MINING

- 1.<http://iridl.ldeo.columbia.edu/SOURCES/.NOAA/.NODC/.WOA05/.Grid-1x1/.Monthly/.an/>)
- 2.<http://www.esrl.noaa.gov/psd/data/gridded/data.coads.2deg.html>
- 3.<http://ferret.pmel.noaa.gov/NVODS/>





AREA OF INTEREST



The Area of Interest (**AOI**) was drawn in a zone from Morocco to Sierra Leone: (35N, 6N, -31W and -0.5W).





DATA ARCHITECTURE

FOLDER STRUCTURES

1. **ATMOSPHERE** (Precipitation/ Relative humidity/ Air tempratrure/ Wind speed & vector/ Sea level presure/ Sea level rise);
2. **BASEMAPS** (Bathymetry/ Coastline/ Elevation/ Relief/ Srmt);
3. **BIOSPHERE** (Amps/ Chlorophyl/ Fishery/ Habitat/ Land cover/ Longhust province/ Mangrove/ Marine primary production)





DATA ARCHITECTURE

FOLDER STRUCTURES

4. **GEOSPHERE** (Coastal soil type/ Energy minerals/ Erosion/ Non energy mineral/ Sediment/ Soil);
5. **HUMAN** (Administrative boundaries/ EEZ/ Population density/ Ports/ Raiways/ Roads);
6. **HYDROSPHERE** (AOU/ Current/ Nitrate/ Oxygen/ Phosphates/ Salinity/ Silicate/ Temperature/ Mixed layer depth/ Rivers)





**CCLME, Coastline and
Depth contours**




DATA PRODUCTS



CCLME_national_borders

 National borders

cclme_Coastline

 Coastline of CCLME countries

cclme_bathymetry

 <1000m

 1000 - 2000

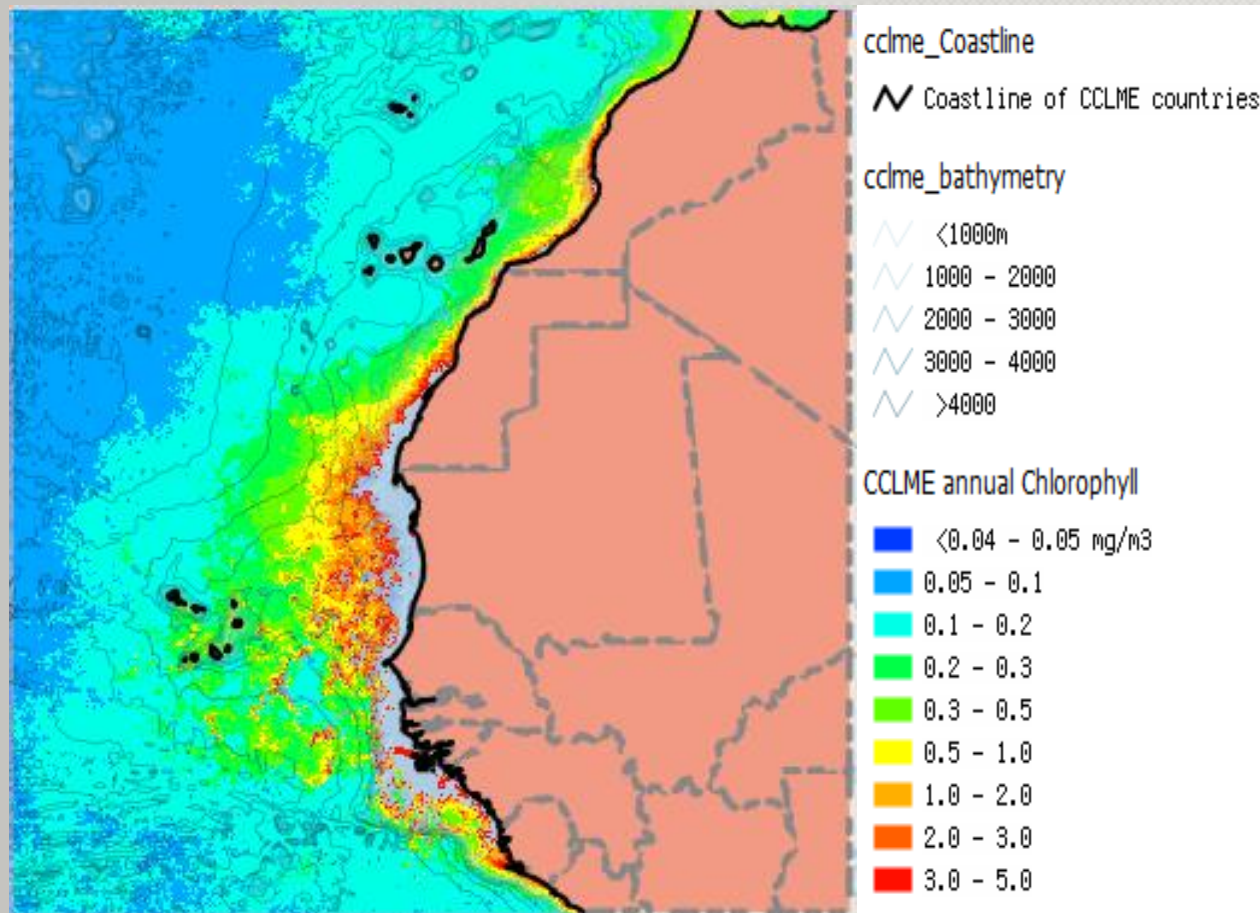
 2000 - 3000

 3000 - 4000

 >4000

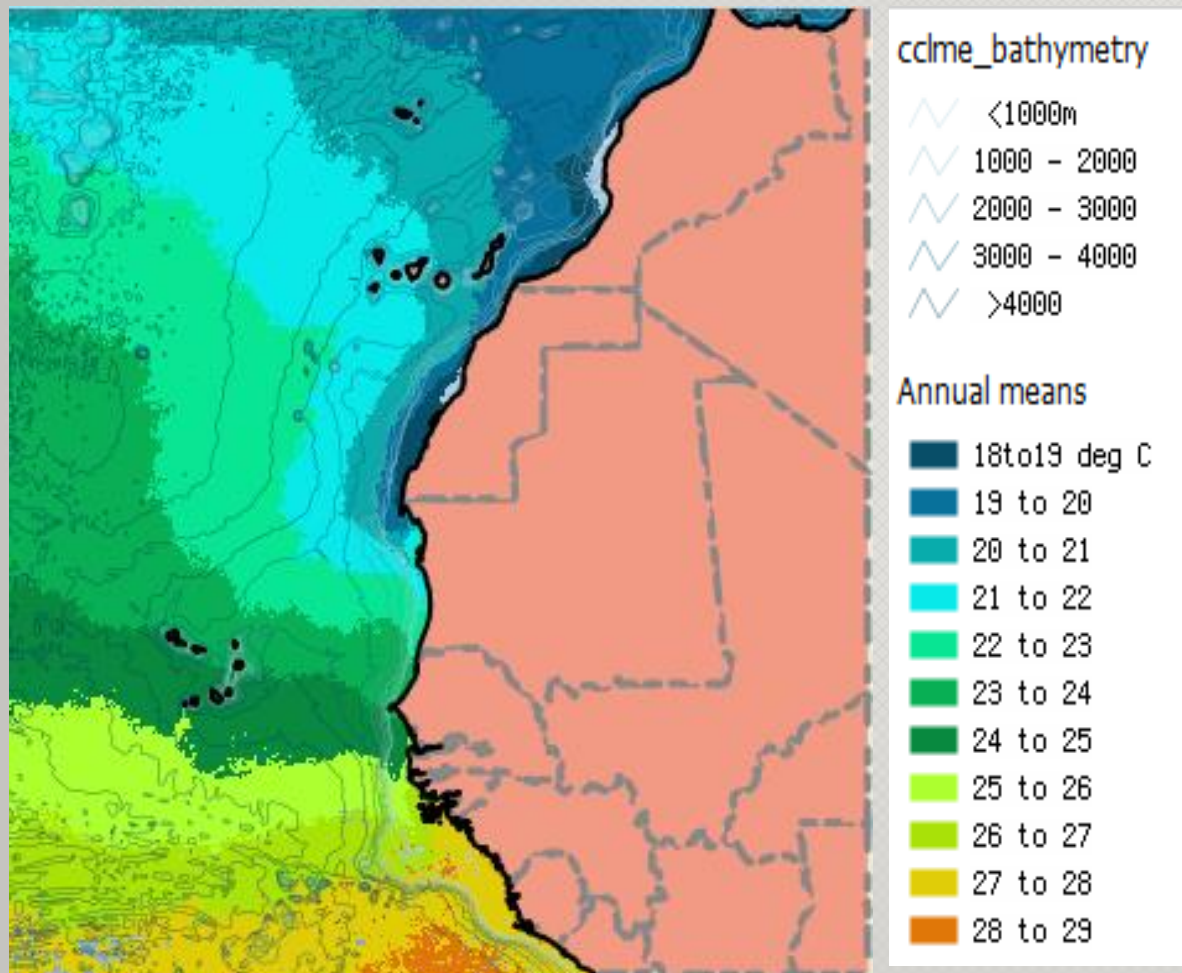
CCLME, National borders





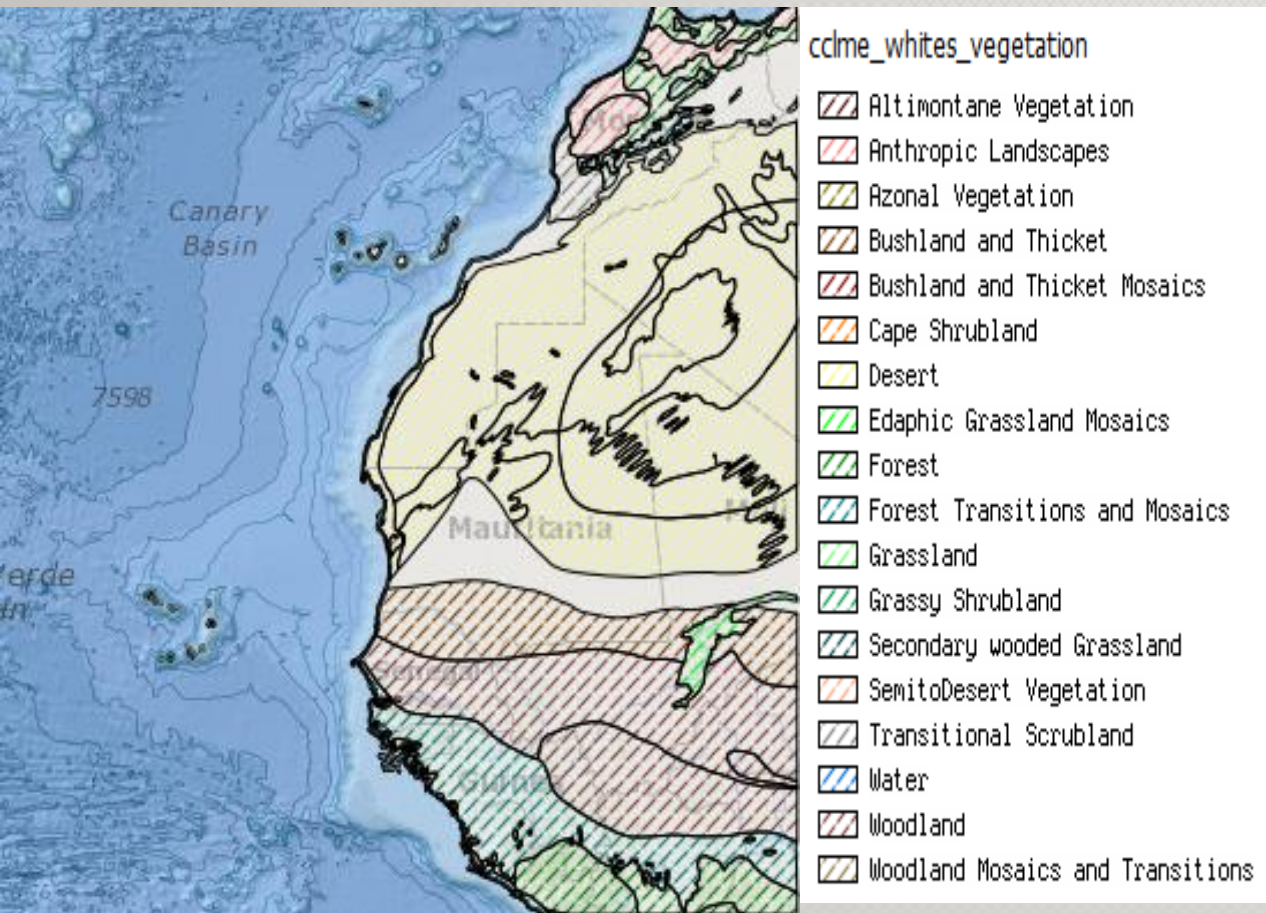
CCLME, annual Chlorophyll





CCLME, annual mean temperatures





CCLME, whites vegetations





METADATA 1



<http://geonetwork.iode.org/geonetworkAMA/srv/en/main.home>





METADATA 2

National Databases
([SN Metadata bases](#))





THANK YOU FOR YOUR ATTENTION

