

Training Workshop on the Canary Current Eastern Boundary Upwelling System

Ocean Science Centre Mindelo – 10-12 March 2020

Agenda Tuesday 10 March



Ministério da
Economia Marítima



TIME	ROOM	
09:00-09:30	CONFERENCE ROOM	WELCOME OF THE PARTICIPANTS AT THE OCEAN SCIENCE CENTRE MINDELO (OSCM)
09:30-10:30	AUDITORIUM OF THE IMAR	<p>OPENING:</p> <ul style="list-style-type: none"> - Maria Osvaldina Silva, President of IMAR - Representative of GEOMAR (TBC) - Representatives of the AECID and the IEO (TBC) - Video presentation on the UN Decade of Ocean Science for Sustainable Development, by Peter Thompson, UN Special Envoy for the Ocean - Vladimir Ryabinin, Executive Secretary of IOC-UNESCO (video intervention) - H. E. Paulo Jorge Lima Veiga, Minister of Maritime Economy of the Republic of Cabo Verde
10:30-11:00	CONFERENCE ROOM	<p>SESSION 1: INTRODUCTION</p> <p><i>EBUS AND THE IMPORTANCE OF THEIR STUDY</i></p> <p>Hervé Demarcq (IRD, France)</p>
11:00-11:30	LOUNGE	COFFEE BREAK
11:30-13:00	CONFERENCE ROOM	<p>Round of introductions of the participants</p> <p><i>WORKSHOP AGENDA/ORGANIZATION</i></p> <p>Itahisa Déniz González (IOC-UNESCO)</p> <p><i>RELEVANT IOC EFFORTS IN THE REGION & INTRODUCTION TO THE CCLME ECO-GIS VIEWER</i></p> <p>Itahisa Déniz González (IOC-UNESCO)</p>
13:00-14:00	LOUNGE	LUNCH BREAK
14:00-16:00	CONF. ROOM	<p>RAPID FIRE PRESENTATION OF PARTICIPANTS' RESEARCH</p> <p>5' per presentation (2 slides) + 3' for questions</p>
16:00-16:30	LOUNGE	COFFEE BREAK
16:30-16:45	CONFERENCE ROOM	RAPID FIRE PRESENTATION OF PARTICIPANTS' RESEARCH (ctd')
16:45-17:45	CONFERENCE ROOM	<p>SESSION 2: PHYSICAL PROPERTIES AND DYNAMICS</p> <p><i>LARGE-SCALE DYNAMICS IN THE CANARY CURRENT EBUS</i></p> <p>Alonso Hernández Guerra (ULPGC, Spain)</p>
17:45-18:00	CONF. ROOM	SUMMARY OF THE DAY'S LESSONS AND WRAP-UP

Agenda Wednesday 11 March



Ministério da
Economia Marítima



TIME	ROOM	
09:00-11:00	CONFERENCE ROOM	SESSION 2: CONTINUED <i>MESOSCALE FEATURES, AND OPEN OCEAN TEMPERATURE AND SALINITY LONG-TERM CHANGES IN THE CANARY CURRENT UPWELLING SYSTEM</i> Alonso Hernández Guerra (ULPGC, Spain) <i>UPWELLING INTENSITY AND WIND FORCING</i> Hervé Demarcq (IRD, France)
11:00-11:30	LOUNGE	COFFEE BREAK
11:30-13:00	CONFERENCE ROOM	SESSION 3: BIOGEOCHEMICAL FEATURES AND PROCESSES <i>DEOXYGENATION IN THE CANARY CURRENT UPWELLING SYSTEM</i> Eric Machu (IRD, France) <i>DEOXYGENATION AND ITS RELATION WITH SUBMESOSCALE FEATURES</i> Eric Machu (IRD, France)
13:00-14:00	LOUNGE	LUNCH BREAK
14:00-16:00	CONFERENCE ROOM	<i>INORGANIC CARBON, PH AND ALKALINITY IN THE CANARY CURRENT UPWELLING SYSTEM</i> Magdalena Santana Casiano (ULPGC, Spain) <i>TRENDS IN PRIMARY PRODUCTIVITY OFF NW-AFRICA</i> Hervé Demarcq (IRD, France)
16:00-16:30	LOUNGE	COFFEE BREAK
16:30-18:00	CONFERENCE ROOM	PRACTICUM I <i>HANDS-ON ACTIVITIES USING THE CCLME ECO-GIS VIEWER</i> Itahisa Déniz González with the support of trainers
18:00-18:30	CONF. ROOM	SUMMARY OF THE DAY'S LESSONS AND WRAP-UP

Agenda Thursday 12 March



Ministério da
Economia Marítima



TIME	ROOM	
09:00-11:00	CONFERENCE ROOM	SESSION 4: FISHERIES DYNAMICS AND VARIABILITY <i>THE RESPONSE OF PELAGIC SPECIES IN THE CANARY CURRENT UPWELLING SYSTEM TO ENVIRONMENTAL VARIATIONS</i> Hervé Demarcq (IRD, France) <i>THE RESPONSE OF PELAGIC FISH STOCKS IN THE CANARY CURRENT UPWELLING SYSTEM TO FISHERIES</i> Cheikh-Baye Braham (IMROP, Mauritania)
11:00-11:30	LOUNGE	COFFEE BREAK
11:30-12:30	CONFERENCE ROOM	THE IMPORTANCE OF TIME-SERIES: THE CABO VERDE OCEAN OBSERVATORY Péricles Silva (IMar, Cabo Verde)
12:30-13:00	CONF. ROOM	VISIT TO THE OSCM FACILITIES Péricles Silva (IMar, Cabo Verde)
13:00-14:00	LOUNGE	LUNCH BREAK
14:00-16:00	CONFERENCE ROOM	PRACTICUM II HANDS-ON ACTIVITIES WITH R Hervé Demarcq (IRD, France) with the support of trainers
16:00-16:30	LOUNGE M	COFFEE BREAK
16:30-17:00	CONF. ROOM	THE ROLE OF INTERNATIONAL ORGANIZATIONS Salvatore Aricò (IOC-UNESCO)
17:00-17:30	CONF. ROOM	SUMMARY OF THE DAY'S LESSONS
17:30-18:00	CONFERENCE ROOM	CONCLUSIONS AND CLOSING OF THE WORKSHOP ON "THE CANARY CURRENT EASTERN BOUNDARY UPWELLING SYSTEM" Maria Osvaldina Silva (IMar) and Salvatore Aricò (IOC-UNESCO)

Websites



Training webpage: <https://www.oceanexpert.net/event/2646>



The Canary Current Eastern Boundary Upwelling System

Workshop

10 - 12 March 2020

Edit Event

Location

Cova da Inglesa
CP132 Mindelo
Sao Vicente
Cape Verde

Organizer & Staff

Organizer

PhD. Salvatore ARICÒ
Ms Itahisa DÉNIZ GONZÁLEZ

Overview Documents Participants

The Canary Current Eastern Boundary Upwelling System

Summary

This capacity building effort aims to enhance oceanography capacities of a new generation of regional researchers through a science-focused training, and to provide room for discussions and interactions among speakers and participants.

This training on ocean science is addressed to young researchers (post-graduate students and post-docs) from the countries in the region (Cabo Verde, Gambia, Guinea, Guinea Bissau, Mauritania, Morocco and Senegal) whose research focuses on the Canary Current upwelling system physical dynamics, biogeochemical processes or ecological processes.

The main expected outcome is that oceanography capacities with a focus on science in the Canary Current upwelling system are enhanced, and project results shared with a new generation of regional ocean scientists. Networks will be built through the attendance of regional experts and postgraduate students from different countries and with different backgrounds. The project results and lessons learnt will be integrated into interregional discussions on similarities and differences across the various eastern boundary upwelling systems.

This is the second workshop programmed within the 3rd phase of the project entitled "Enhancing oceanography capacities in CCLME Western Africa countries"; which is implemented by the Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO) and funded by the Spanish Agency for International Development Cooperation (AECID).

Website: <http://www.unesco.org/new/en/natural-sciences/ioc-oceans/sections-and-programmes/ocean-sciences/canary-current-large-marine-ecosystem-project-cclme/>



22 Participants

More...



View detailed participants list
View a printable participants list

More...



Background Documents: 3
Other Documents: 4

More...

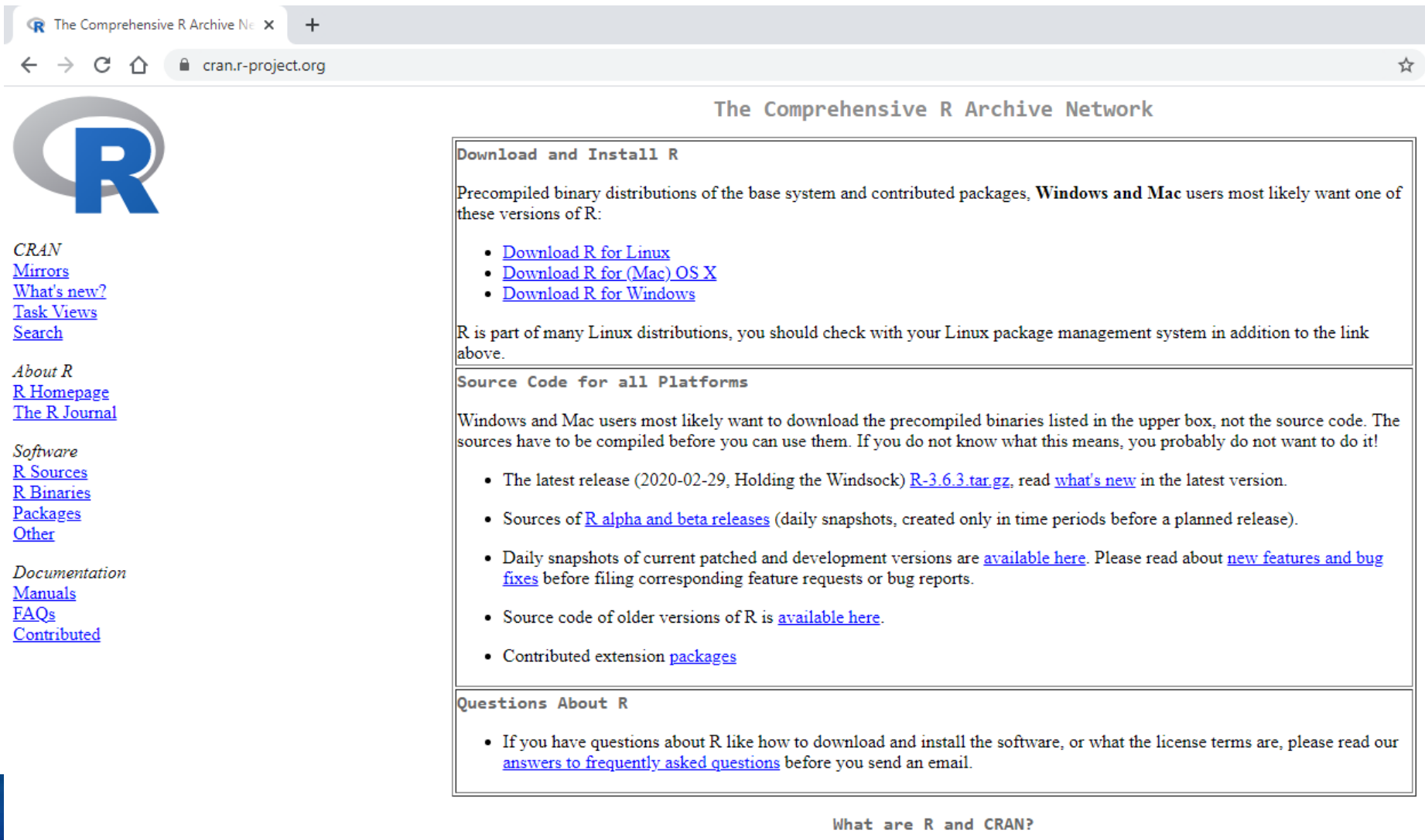
Websites



CCLME Eco-GIS Viewer: <http://www.ideo-cclme.ieo.es/>

A screenshot of the CCLME Eco-GIS Viewer web application. The browser address bar shows the URL www.ideo-cclme.ieo.es. The page title is "CCLME ECO-GIS VIEWER". The navigation menu includes "Tools", "Clear", "Legend", "About", "The Project", and "Contact". On the left, there is a sidebar with logos for UNESCO, IOC, and Cooperación Española, and a list of data layers: Home Page, Bathymetry mapping and transects, CCLME Upwelling index, Precipitation and river discharges, Sea level time series, Argo Profiles (3D), SST and Chl data and differences analysis, Spatio-temporal data Viewer, Oceanographic transects, Biological data: abundance, distribution, species richness, Using my own data, and Useful links. The main map area shows a bathymetric map of the Atlantic Ocean off the coast of Africa, with a highlighted area in green and blue. A small inset map labeled "GEBCO" is visible. The coordinates 26.658° W, 7.821° N are shown at the bottom left of the map.

R and R studio: <http://cran.r-project.org/>



The screenshot shows the CRAN website in a browser. The browser's address bar displays "cran.r-project.org". The page title is "The Comprehensive R Archive Network". On the left side, there is a large blue "R" logo. Below the logo, there are several navigation links: "CRAN", "Mirrors", "What's new?", "Task Views", "Search", "About R", "R Homepage", "The R Journal", "Software", "R Sources", "R Binaries", "Packages", "Other", "Documentation", "Manuals", "FAQs", and "Contributed". The main content area is divided into three sections: "Download and Install R", "Source Code for all Platforms", and "Questions About R".

The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- [Download R for Linux](#)
- [Download R for \(Mac\) OS X](#)
- [Download R for Windows](#)

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

Windows and Mac users most likely want to download the precompiled binaries listed in the upper box, not the source code. The sources have to be compiled before you can use them. If you do not know what this means, you probably do not want to do it!

- The latest release (2020-02-29, Holding the Windsock) [R-3.6.3.tar.gz](#), read [what's new](#) in the latest version.
- Sources of [R alpha and beta releases](#) (daily snapshots, created only in time periods before a planned release).
- Daily snapshots of current patched and development versions are [available here](#). Please read about [new features and bug fixes](#) before filing corresponding feature requests or bug reports.
- Source code of older versions of R is [available here](#).
- Contributed extension [packages](#)

Questions About R

- If you have questions about R like how to download and install the software, or what the license terms are, please read our [answers to frequently asked questions](#) before you send an email.

What are R and CRAN?

Coffee breaks

Hospitalities kindly offered by the
Ocean Science Centre Mindelo
Main entrance, lounge and kitchenette



Organization



Ministério da
Economia Marítima



Lunch breaks

Hospitalities provided under the frame of the IOC project “Enhancing oceanography capacities in the CCLME Western Africa countries Phase III”
Main entrance, lounge and kitchenette



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission





THANK YOU

