

# Update on the GEO Coastal Zone Community of Practice (CZCP)



Coastal Zone Community of Practice CZCP

Our mission:  
Empowering integrated coastal zone management through Earth observations ...

Copyright  
Disclaimer  
Citation

- Home
- About the CZCP
- News
- Products
- Library
- Meetings
- Discussions
- Workshops

Coastal zones are areas of particular ecological, social, and economic value where many conflicting interests need to be resolved in order to ensure a sustainable development of this highly complex environment. Humanity has always shown a special interest in the coastal zone and a large fraction of the human population traditionally settles in or close to the coastal zone. Recent increases in coastal urban population and changes in land-use practices have led to rapid and large changes in sediment supplies and increases in nutrient, pollutant and pathogen loadings to coastal waters. Climate-induced changes in sea level are likely to increase the risk of inundation in many parts of the coastal zone. The on-going and anticipated changes pose serious risks to human health and the capacity of ecosystems to support products and services critical to the survival and well being of human populations, in developed and developing nations alike.

The Coastal Zone Community of Practice (CZCP) supports the Group on Earth Observations (GEO) in its goal to provide observations required for informed decisions concerning the coastal zone. High and immediate priorities for GEOSS are improved forecasts of sea-level rise and associated increases in coastal inundation that may be exacerbated by increases in the frequency of extreme weather.



The IGOS-P Coastal Zone Theme Report: The Theme Report provides the basis for the work of the GEO Coastal Zone Community of Practice.

If you are new to the CZCP and are considering to join, start by reading the Theme Report ...

More about the CZCP, who we are, what we do, and why we do it, is available [here](#).

If you have questions, please feel free to contact the [Co-Chairs](#).

## Latest News:

[15 October 2009] **CZCP will meet on November 20, 2009:** The CZCP is scheduled to meet on November 20, 2009 in Washington, D.C. The CZCP meeting will take place in the same location. For CZCP Co-chairs.

Hans-Peter Plag, Paul M. DiGiacomo, Michael Bruno, Jimmy Adegoke

13<sup>th</sup> GEO User Interface Committee Meeting  
Washington, D.C., USA, 16 November 2009

# Objectives and Tasks

The **GEO Coastal Zone Community of Practice (CZCP)** objectives are to:

- Engage coastal users and data providers in the specification of requirements for *in situ* & remote coastal observations and derived information products in support of integrated coastal zone management
- Evaluate current and projected observational capabilities against these requirements, identifying gaps, redundancies and activities that need to be strengthened;
- Advise the **GEO User Interface Committee**, other CPs and GEO on matters relating to coastal zone observations and related societal benefits, and identify priority needs as well as areas for linkage, collaboration and support.

The **CZCP** tasks include:

- Organize workshops and develop “proof of concept” pilot projects that both address these gaps and enable data integration for the provision of new or improved decision support tools;
- Promote development or strengthening of networks of institutions globally, regionally, and across the CoPs that contribute to and benefit from GEOSS;

# Participation

- \* CZCP Organizing group:

Jimmy Adegoke

Michael Bruno

Robert Christian

Franciscus Colijn

Paul DiGiacomo (co-chair)

Thomas Malone

Liana Talaue-McManus

Jose Muelbert

Hans-Peter Plag (co-chair)

- \* Numerous GEO member nations, as well coastal user interests & applications (e.g., sea level rise and inundation; water quality; habitat, resource and integrated coastal area management) are represented within the CZCP.

- \* Frequent communication is occurring within this group to facilitate discussion and plan CZCP activities.

- \* Outreach to other relevant groups and activities.

# Recent CZCP Activities

## General Outreach:

- Coastal users/organizations/needs are being identified by the organizing group.
- Focus on presentations of the CZCP at relevant regional conferences.
- Authored a Community White Papers to OceanObs'09.
- Are adding information for interested potential organizations and new CoPs to the web page.

## Strategy:

- On-going strategy discussion for the next years.
- Had a meeting of core group in June in Washington, D.C.
- Will have a CZCP meeting on November 20, 2009, Washington, D.C.
- Potential update of the Coastal Theme Report – what would be the process?

## Main Activity:

- Series of regional workshops: Decision support through GEOSS


# Main Activity

A series of CZCP regional users workshops is currently being planned and carried out:

Applications Places System hplag@challenge:~ GEO Coastal Zone Co... Mon Nov 16, 6:17 AM

GEO Coastal Zone Community of Practice - SeaMonkey

Home Bookmarks



**GEO** GROUP ON EARTH OBSERVATIONS

Our mission:  
Empowering integrated coastal zone management through Earth observations ...

Copyright Disclaimer Citation

Coastal Zone Community of Practice **CZCP**

Home About the CZCP News Products Library Meetings Discussions Workshops

**CZCP Workshop series:**

- Introduction
- Rationale
- Objectives
- Outcome
- Heritage
- CZCP Background

**Upcoming Regional Workshops:**

- North Africa: Cairo, Egypt 2010
- Africa, Benin, Cotonou, February 2010
- Caribbean, Puerto Rico: September/October 2010

**Past Regional Workshops:**

- Previous Workshops
- Mediterranean: Athens, Greece 2008

**Related information:**

- IGOS Background

## GEOSS Support for Decision-Making in the Coastal Zone: Managing and Mitigating the Impacts of Human Activities and Natural Hazards in the Coastal Zone

*A series of (regional) GEO Workshops organized by the GEO Coastal Zone Community of Practice*

**Introduction:** Global, regional and local trends in natural processes and human demands on coastal ecosystems jeopardize the ability of these ecosystems to support commerce, living resources, recreation and habitation. In this context, improved, integrated and sustained coastal observing capabilities are required to better support user information needs. The Group on Earth Observations (GEO) provides a valuable framework and mechanism to help implement these capabilities, and under the auspices of GEO, a Coastal Zone Community of Practice (CZCP) was initiated in 2006. The CZCP builds on the heritage of the former IGOS Coastal Theme ([more background ...](#)), which provided a strategy for integrated observations across the land-sea interface, and aims to enable broader participation, improved linkage to users, coordinated implementation, and enhanced societal benefits.

The CZCP is a user-driven community of stakeholders, the purpose of which is to develop a strategy, in the framework of GEO for engaging user groups across the land-sea interface in the development of those elements of the GOOS and GTOS that are required to provide and integrate data on terrestrial, freshwater, marine and atmospheric systems that converge in the coastal zone. Its specific objectives are to:

1. Engage data providers and users in the specification of requirements for in situ and remote observations
2. Evaluate current and projected observation capabilities against these requirements, and identify gaps, redundancies and activities that need to be strengthened;
3. Promote the development of workshops and "proof of concept" pilot projects;
4. Promote development or strengthening of networks of institutions globally, regionally, and across Communities of Practice (CPs) that contribute to and benefit from GEOSS to achieve the mutual goals of GOOS and GTOS.

# Main Activity

A series of CZCP regional users workshops is currently being planned and carried out:

Much work was invested into preparation of two subsequent workshops in Africa



Coastal Zone Community of Practice **CZCP**

*Our mission:  
Empowering integrated coastal zone management  
through Earth observations ...*

[Copyright](#)  
[Disclaimer](#)  
[Citation](#)

## (1) Egypt:

- follow up of an recommendation of the Athens Workshop;
- main goal: understanding decision processes and GEOSS decision support in Southern Mediterranean countries;
- local host: governmental organization (National Authority for Remote Sensing and Space Sciences)
- problem: not able to secure sufficient funding (~\$25,000)
- postponed, hopefully in 2010

[Mediterranean: Athens, Greece 2008](#)

[North Africa: Cairo, Egypt 2010](#)

[Africa: TBD, 2010](#)

### Related information:

[IGOS Background](#)

former IGOS Coastal Theme ([more background ...](#)), which provided a strategy for integrated observations across the land-sea interface, and aims to enable broader participation, improved linkage to users, coordinated implementation, and enhanced societal benefits.

The CZCP is a user-driven community of stakeholders, the purpose of which is to develop a strategy, in the framework of GEO for engaging user groups across the land-sea interface in the development of those elements of the GOOS and GTOS that are required to provide and integrate data on terrestrial, freshwater, marine and atmospheric systems that converge in the coastal zone. Its specific objectives are to:

1. Engage data providers and users in the specification of requirements for in situ and remote observations
2. Evaluate current and projected observation capabilities against these requirements, and identify gaps, redundancies and activities that need to be strengthened;
3. Promote the development of workshops and "proof of concept" pilot projects;
4. Promote development or strengthening of networks of institutions globally, regionally, and across Communities of Practice (CPs) that contribute to and benefit from GEOSS to achieve the mutual goals of GOOS and GTOS.

# Main Activity

A series of CZCP regional users workshops is currently being planned and carried out:

Much work was invested into preparation of two subsequent workshops in Africa



Coastal Zone Community of Practice **CZCP**

*Our mission:  
Empowering integrated coastal zone management  
through Earth observations ...*

Copyright  
Disclaimer  
Citation

## (2) West Africa:

- Focus on regional CZ issues; goal to initiate a regional CZCP
- First scheduled for August 2009 in Accra Ghana
- Kind-of ad hoc approach to planning;
- Slow development of local organization; problems with local budget, change venue;
- Problems in securing sufficient funding (UNESCO, GEO, but no other sources);
- No strong support of regional organization due to reduced activities;
- postponed;
- UNESCO has invitation from Minister of Environment of Benin;
- Plan: Africa, Benin, Cotonou, February 2010, jointly with a Water Workshop
- Invitation and first circular on web page to come in the next few days

[IGOS Background](#)

zone. Its specific objectives are to:

1. Engage data providers and users in the specification of requirements for in situ and remote observations
2. Evaluate current and projected observation capabilities against these requirements, and identify gaps, redundancies and activities that need to be strengthened;
3. Promote the development of workshops and "proof of concept" pilot projects;
4. Promote development or strengthening of networks of institutions globally, regionally, and across Communities of Practice (CPs) that contribute to and benefit from GEOS to achieve the mutual goals of GOOS and GTOS.

## Main Activity

A series of CZCP regional users workshops is currently being planned and carried out.

### Recent development:

(3) In the America; Puerto Rico:

- September/October 2010

- Preparation of program in progress

- Will be a topic at the “GEOSS in the Americas” and CZCP meetings, Friday, November 20, 2009;

- Scope: Coastal Zone issues relevant to the Americas

- Goal: Regional CZCP; interest expressed at the 2008 GEOSS in the Americas meeting

- CZCP has prepared a brief “business”-concept paper for a successful workshop.

## Main Activity

A series of CZCP regional users workshops is currently being planned and carried out.

Recent development:

(4) In Asia: Potential focus on coastal Mega Cities

- Very early planning stage
- Initial contacts to Jakarta



**Interested ?**

Meeting on Friday, November 20, 2009, Canadian Embassy

