

**A forum in french and japanese (english allowed) with 4 sessions :**

1 -Exploitation of living resources: necessity and constraints.

**Keywords:** social and economic importance of fishing; traditional and new aquaculture; conflicts of use and space; other constraints.

2 -Towards sustainable fisheries and aquaculture activities.

**Keywords:** fishing, new and traditional aquaculture, minimisation of the ecological footprint on ecosystems, environmental monitoring and contributions to the increase of knowledge on exploited or cultivated resources.

3 - Coastal fisheries and emerging activities: the case of marine wind farms.

**Keywords:** MRE; coastal fishing; conflicts of use; impacts of MRE on traditional activities, France and Japan.

4 - The Satoumi concept and management of Commons: An Integrated Approach, a link between land and sea and between nature and culture.

**Keywords:** Satoumi; Satoyama; integrated approaches; environmental education; participatory science; link between nature and culture; sustainable development.

**To deliver an oral communication or a poster :**

1 - Send an abstract of 250 words maximum between the 1<sup>st</sup> of March and the 31<sup>st</sup> of May 2023; see note to authors: <http://coastcaen2023.socfjp.com/note-to-authors/>

2 - Register on the website from 1<sup>st</sup> of April 2023: <http://coastcaen2023.socfjp.com/registration/>

AN INTERNATIONAL CONFERENCE AND A  
FORUM



**An international conference in English with 3 sessions :**

1 - Vulnerability and resilience of coastal socio-ecosystems to global change (including aquaculture and fisheries production systems).

**Keywords:** Vulnerability of socio-ecosystems and resilience of marine living resources to global change; effects on the physiology of natural and cultivated organisms; modification of food chains and biocenoses; effects and impacts on new and traditional fisheries and aquaculture activities.

2 - Development of marine renewable energies and impacts on socio-ecosystems.

**Keywords:** Marine renewable energies, effects and impacts on socio-ecosystems, conflicts of use and space between the development of marine wind farms and traditional activities, complementarities and associations between these production methods.

3 - Coastline evolution and submersion of coastal territories.

**Keywords:** Coastal erosion with historical perspective, littoralisation, sedimentary changes, risks of coastal submersion, evolution of benthic habitats, effects of dredging and clavage on biotopes, reclamation of sediments, social and economic impacts.

AN INTERNATIONAL EVENT : COAST  
CAEN 2023 - BETWEEN LAND AND SEA  
FROM 24<sup>TH</sup> TO 27<sup>TH</sup> OF OCTOBER 2023  
UNIVERSITY OF CAEN - NORMANDIE



**Constraints and adaptations to global  
change at the land-sea interface  
For a shared ecological and energy  
transition**

International Conference of Oceanography  
19<sup>th</sup> French-japanese Symposium of  
Oceanography

**Site :** <http://coastcaen2023.socfjp.com/>



## Our partners



## Social Events

**Sunday 22 october** - Visit of the Mont Saint-Michel and its bay.

**Monday 23 october** - Visit of parks and oyster farms of the Cotentin peninsula.

**Tuesday 24 october** - Tara Oceans public conference (To be confirmed)

**Wednesday 25 october** - Reception of the congress participants at the «Abbaye aux Hommes» in Caen.

**Thursday 26 october** - Gala dinner at the Caen Memorial

**Friday 26 october** - visit to the offshore wind turbine maintenance site of Calvados, Ouistreham.

For registration see :

<http://coastcaen2023.socfip.com/discoveries/tour/>

# COAST CAEN 2023 : BETWEEN LAND AND SEA

International Conference of Oceanography - 19<sup>th</sup> French-japanese Symposium of Oceanography  
«Constraints and adaptations to global change at the land-sea interface. For a shared ecological and energy transition» University of Caen-Normandie - 24<sup>th</sup> to 27<sup>th</sup> of october 2023



## INTERNATIONAL CONFERENCE

Coastal or semi-enclosed seas, coastal or interface zones between land and sea are areas widely coveted by numerous human activities. These activities do not assess the effects and impacts of their cumulative pressures on the natural environment: coastal development, tourism, terrestrial pollution, maritime transport, dredging and piling, extraction of marine aggregates and development or planned development of marine wind farms or tidal turbines. In this context and despite the high productivity of these ecosystems, fishing and shellfish farming, which also exert their

own environmental pressures, have some difficulties in ensuring their sustainability in an increasingly man-made environment and generating increasingly exacerbated conflicts of use.

The symposium will address some aspects of resilience (via their capacity to adapt to global change) of these coastal ecosystems and adaptation of human communities to climate change in a context of full use of natural resources.

## FORUM

In these highly anthropized environments, with areas that are fiercely contested by numerous users, traditional or new fisheries and aquaculture have difficulty in maintaining themselves and, *a fortiori*, in prospering. For the last twenty years, in Northern Europe, offshore wind farms have been developed near coastal areas. These farms are often located in areas that are already intensively used: maritime transport, dredging, material extraction, tourism, fishing, shellfish farming..... It is important to know how this cohabitation between offshore wind development and traditional fishing and aquaculture activities, which are important for the development of local communities, will be achieved without directly or indirectly affecting the maintenance of these primary production activities.

The sustainability of fishing and aquaculture is already strongly affected by the artificialisation of these coastal areas and interface zones. The development of offshore wind power must take this situation into account by not further penalising the development of these coastal activities. A more holistic approach to the impact of all uses on the environment to ensure a more optimal management of the Commons, needs to be implemented. In Japan, the concept of Sato-umi (harmony between the coastal sea and local communities) is being implemented and incorporates participatory science and active restoration projects in an integrated coastal zone management framework.

All 7 sessions will be introduced by a guest speaker. Three guest lectures will also be given during the plenary sessions on Tuesday 24 October and Friday 27 October.