



**CESAB**  
CENTRE FOR THE SYNTHESIS AND ANALYSIS  
OF BIODIVERSITY



FFP - FRB-CESAB  
Call for projects 2020:

**" Impact of climate change on the biodiversity of fisheries  
resources and fisheries in Europe  
(Northeast Atlantic and Mediterranean).  
State of play and scenarios "**

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**Contact**

cesab@fondationbiodiversite.fr

## Schedule

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**11/06/2020 at 1 pm (UTC+1):** deadline for submission of pre-proposals

**16/07/2020:** Invitation to submit a full-proposal

**24/09/2020 at 1 pm (UTC+1):** deadline for submission of proposals

Mid-December 2020: final selection

Number of funded project: 1

## Context and expectations

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Climate change will have a lasting impact on the oceans and seas on a global scale (warming of surface waters, decrease in dissolved oxygen, acidification, and decrease in primary production and changes in ocean circulation, among others). The impacts of these changes on marine fisheries have become a priority.

In this context, the Ecosystem Approach to Fisheries (EAF) proposed by the FAO recognizes the importance of the ecosystems on which the renewal of exploited resources depends; it addresses the ecosystem effects of fishing and forcing that influence the dynamics of exploited systems, as well as the economic, social and governance dimensions of associated fisheries. EAF puts biodiversity (genetic, specific, functional, etc.) of fish stocks at the forefront and considers exploited species in the context of their interactions within ecosystems. Climate change is an additional pressure on fish stocks that urgently need to be quantified and understood in order to preserve the biodiversity of fish resources and the sustainability of the fisheries that depend on them.

In this context, in partnership with France Filière Pêche, the FRB calls on the scientific community to submit projects to CESAB based on the analysis and synthesis of existing data, as well as the modelling of the effects of climate change on the biodiversity of European fish stocks and associated fisheries (North-East Atlantic and Mediterranean). The project will contribute to a better understanding of the effect of climate change on fish resources and fisheries, to help develop adaptive fisheries management measures.

The project submitted should make possible the synthesis and interpretation of the responses observed over the last few decades, and the responses expected under different future climate scenarios on different scales:

- at the stock level, from genes to populations;
- at the level of exploited marine ecosystems;
- at the level of fisheries and seafood product chains;
- at the level of governance systems.

The main objective of CESAB is to generate new knowledge from existing data. Particular attention will be paid to knowledge transfer. The following are expected: scientific publications and all other forms of dissemination of knowledge to managers and stakeholders, open access modelling platforms, software, websites, databases, organization of an international workshop, a training session, participation in conferences, presentations at major conferences or official events. The working groups will provide an interim report (18 months) and a final report (36 months)

## Consortium composition

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The project coordinator must be a recognized scientific researcher, affiliated to a French research organization. The working group (made up of a maximum of 14 experts) must be largely international, balanced between young and established profiles, and respect gender balance as far as

possible. Multidisciplinary groups or groups including stakeholders fisheries sector from are encouraged, without this being a mandatory selection criterion.

A post-doctoral fellow will be recruited by the FRB for 30 months. The selection will be made by the project coordinator, the working group, the financial partners if any, and the CESAB management. This function implies a strong scientific activity and a full involvement in the functioning of the project. The post-doctoral fellow will be based in the CESAB premises in Montpellier and will have several weeks per year to interact directly with the project coordinator between meetings of the group.

## Data management policy

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The datasets produced by the projects funded under this call should be made public and accessible to the widest possible scientific community. In order to achieve this objective, CESAB expects that:

- the datasets synthesized during the research project at CESAB are described in a relevant way (using international standards as far as possible), are made publicly available within a reasonable time (subject to confidentiality constraints for data on individuals and enterprises), and that a publishable metadata set is produced at the end of the project;
- the raw data used to generate the derived scientific outputs are well documented;
- the intellectual property rights of all data owners are respected when their data are used in CESAB working groups;
- Creative Commons BY 4 standards are applied as far as possible to all deposited data.

The FRB cannot be held responsible for any misuse of the research data thus deposited. CESAB offers a unique opportunity for scientists to use its expertise and advice, and provides links to organizations that can facilitate data submissions.

## Selection criteria

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Projects will be selected according to the following criteria : (i) the scientific excellence and innovative character of the project, (ii) the relevance to the theme of the call and to the objectives of CESAB, (iii) the quality of the working group established (i.e. the relevance of the skills brought together and the level of expertise in relation to the topic addressed), (iv) the feasibility of the work programme, (v) the importance of the proposed activities for the dissemination of knowledge and data, and (vi) the links with national (and international) initiatives.

## Budget – funded activities

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The financial support of the FRB and FFP includes the recruitment of the post-doctoral fellow, financial and logistical support for the organization of meetings, communication and dissemination costs, technical and administrative support. Direct financial support for the operation of the project cannot exceed project duration of 3 years. The setting up of the project constitutes a commitment on the part of the PI: any change in the list of members of the group, the number of meetings, the calendar, etc. must be approved by the CESAB and the FFP. Thus, the project leader will submit a mid-term progress report; this report will need the Project Monitoring Committee's approval to allow the continuation of the budget.

Budget includes:

- One post-doctoral student located in Montpellier in the premises of CESAB for a period of 30 months,
- 6 meetings of the group (consisting of a maximum of 14 experts). The working group will meet at CESAB twice a year for periods of 5 days, for maximum project duration of 3 years.

- 2 meetings of the group with the funders (FFP, FRB) of 2 days for the launching of the project and its restitution/perspectives organized at the end of the project.
- A computer (within the limit of 2000 euros) for the post-doctoral student.
- Assignment equivalent to 30 days per year to ensure the link between the coordinator and the post-doctoral student.
- Publication costs up to a limit of 6000 euros.
- Participation in two international symposia for the post-doctoral fellow within the limit of 6000 euros.
- A non-scientific restitution seminar at the end of the project, within the limit of 4000 euros.
- Carbon offsetting of meetings up to a limit of 3000 euros.

In addition, the FRB will provide:

- Local logistical organization (planning of meetings, transport, accommodation and catering)
- Workspaces at CESAB,
- Support for data analysis,
- Support for communication of project results,
- Administrative support for project management.

The budget (construction and monitoring) will be handled by the Cesab staff.

## Pre-proposals

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Pre-selection of projects will be made by the CESAB Scientific Committee, within one month after receipt of the pre-proposals.

Pre-proposals must be submitted exclusively by e-mail in the form of a **single .pdf document to [cesab@fondationbiodiversite.fr](mailto:cesab@fondationbiodiversite.fr) no later than 11/06/2020 at 13:00 (UTC+1).**

This should include:

- **The pre-proposal form** (to be completed in English) to be downloaded from the FRB's website (including a brief description of the context, aims, scope and scientific objectives of the project, as well as its approach and interest in terms of synthesis, and the list of researchers who have agreed to participate in the project).
- **Two pages of information on the project leaders** (CV, publications, etc...)
- The **participants' agreement** e-mails from the group members

## Propositions

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The final proposal form will be provided on 16/07/2020 after the evaluation of the pre-proposals, to the applicants whose projects have been pre-selected.

Proposals must be submitted exclusively by e-mail in a **single .pdf document to [cesab@fondationbiodiversite.fr](mailto:cesab@fondationbiodiversite.fr) no later than 24/09/2020 at 1 pm (UTC+1).**

The selection of projects will then be coordinated by the CESAB Scientific Committee.

Results will be announced mid-December 2020.

## Contacts

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For more information on the call, the preparation of the proposal, the FRB, or the organization of the Centre:

[cesab@fondationbiodiversite.fr](mailto:cesab@fondationbiodiversite.fr)

<https://www.fondationbiodiversite.fr>

## References

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FAO. 2018. The State of World Fisheries and Aquaculture 2018 - Meeting the sustainable development goals. Rome, FAO. 227p. Licence: CC BY-NC-SA 3.0 IGO.

European Environmental Agency. 2017. State of Europe's seas. EEA Report 2/2015. Copenhagen, EEA. 220p.