

Paddle

Planning in a liquid world with tropical stakes

NEWSletter #3
Spécial Brasil



Edito

Reminders

Mid-term meeting

Secondments

What's new in the consortium in Brasil ?

Paddle early stage researchers

Project progress



EDITO

Chers collègues,

The idea of a special newsletter for Brazil came naturally after the workshop organized in Brazil this year in the PADDLE project.

Gathering secondees and institutional representatives during the workshop in Recife allowed rich exchanges, a chance given the constraints of all !

These last few months have been marked by the progress of the project but also by the first difficulties. In particular, some researchers met difficulties obtaining the permits they need for their research: either because of the complexity of the procedures or because of the difficulty in obtaining them. Despite these difficulties, the exchanges remain beneficial and the time spent in the partner institutions of the project enable the improvement of the quality and frequency of scientific exchanges.

Next year will be an opportunity to organize interdisciplinary events around marine spatial planning in the tropical Atlantic. Several tasks are being carried out in the various workpackages and the planned secondments should enable to reach initial objectives

As earlier, this newsletter is also intended to remind every project participants of important. That is why, in addition to scientific information, you will find more practical information!

Enjoy your reading,

Marie Bonnin



◀▶ Photos of the Paddle Brasil Workshop and Writing session, february 2019. © Sébastien Hervé / UBO

It is now time to think about the project's publications

Information on every publication will be uploaded on the European portal.

- For them to be recorded, the following sentence must be present on all documents related to the PADDLE project: "This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 734271".
- It is imperative to send the exact references of your publications to paddle@ird.fr. IRD will set up a procedure to reference your publications and upload them to the EU portal, taking into account publishers' embargoes.
- It is also crucial to inform us on the communications made in colloquiums / workshops in relation with the PADDLE project, in order to mention them in the project's scientific reports and website. You can decide whether or not you would like to put the presentation on the project's website. It could be immediately done, or after a defined embargo.
- Tip : To make our publications more visible, we could put « Paddle Project » as a keyword



Communication

To facilitate communication between secondees of a same WP, we have set **padlets**. When leaving on secondment, please add a few lines on your planned work and fields. These pages are very user-friendly, if you encounter difficulties, please reach out to the project team.

WP2 : https://padlet.com/marie_bonnin/m9l382hmzgtr

WP3 : https://padlet.com/marie_bonnin/wflxswtfg4h4

WP4 : https://padlet.com/marie_bonnin/3hqak94qktmf

WP5 : https://padlet.com/marie_bonnin/lcgq13p5r9td

You will also find on the padlets key information (just like the sentence to add on all communications), do not hesitate to refer to these websites regularly !

REMINDEES

Secondment check-list

Prior to your secondment

- ✓ check your secondment eligibility (cf. Art. 6.2, Grant Agreement)
- ✓ Send an email to paddle@ird.fr to Exchange with the project coordinator and manager about your planned secondments
- ✓ Complete and sign the risk assessment form
- ✓ Communicate with your WP leader who is going where and when by adding a post on the padlet (see Reminder on communication below)

At the end of your secondment

- ✓ Fill in the attestation of secondment form, detailing the work packages and tasks you have been working on and submit it to the project coordinator and to your WP leader
- ✓ Upload your secondment on the EU portal
- ✓ Send photos to the project team to feed in the project website

Scientific monitoring

Netvibes: <https://www.netvibes.com/paddle-ird>

The scientific knowledge platform, hosted by Netvibes, allows us to have a systematic scientific monitoring on publications on Paddle-related issues. This platform is organised per Work-package and case studies.

If you want to add a new systematic monitoring, just ask by sending an email to paddle@ird.fr



Mid-Term Meeting

Lisboa | March 2019



© Marie Bonnin / IRD

The Mid-Term Meeting was held in Lisbon from 26 to 27 March, in the presence of Oscar Perez-Punzano, representative of the European Commission. This meeting provided an opportunity to present the results of the project and to review the administrative and financial aspects.

Below are some tips from this meeting.

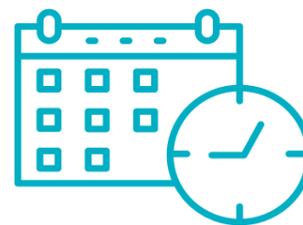


Audits

- **Reminder:** 60% of RISE projects are audited.
- **Who?** All beneficiary institution is responsible of the incoming and outgoing secondments performed and can be individually audited.
- **When?** Anytime during the project implementation, and up to 5 years after the end of the project (1st of July 2021).
- **What?** Eligibility of the secondment (100% dedication to PADDLE, eligibility of the secondee, relation to tasks, etc.), use of the funds (min. 2000€ transferred to secondee / 30d mission)...
- See Grant Agreement (art. 6).

Time sheets

During the meeting, the project officer insisted on the fact that we should be able to prove that the secondee has been working 100% on the project while on secondment. To do so, he strongly recommends the use of time sheets.



Adding a secondment on the EU portal

Behind the algorithms, a mysterious logic

- The EU portal counts the duration of secondments based on a mysterious logic (algorithms, useless to try to understand). Based on the idea that one secondment = 30 days mission, you should enter your planned secondment as a draft prior to taking plane tickets, to check the portal's count. If needed (0,97 secondment counted instead of 1), you can then adapt your travel dates.
- Reminder: the dates that count are those of your departure and return to your home town.

Optimizing secondment counting

- Reminder: a "secondment" is a 30-days mission in one partner university for one researcher.
- If a researcher goes several times on mission to the same partner institution and works on the same WPs, these missions can add up. This is achieved only if they are uploaded on the EU portal on a single line thanks to the button "add a period" (for more details, see the guide on the project website).
- Example:

2	3	Anne	Lebourges-Dhaussy	SUBMITTED	Institut De Recherche Pour Le Developpement	Universidade Federal De Pernambuco	30-07-2017	01-10-2017	Full Time	3,13
							08-04-2018	28-04-2018	Full Time	
							06-10-2018	16-10-2018	Full Time	

If you have not done so, the missions won't add up... triggering less payment from EU than expected!

Needed secondments in WP5

Very few secondments have been added in WP5 since the start of the project, whereas many had been announced. You can declare several secondments for a single WP, do not hesitate to do so ! WP5 is involved on interdisciplinary approaches to MSP. Sophie Bertrand (sophie.bertrand@ird.fr) is the Workpackage leader, don't hesitate to contact her on this purpose.

what's **NEW?** in the consortium in **BRAZIL**

Promote capacity building

Courses

MSP requires information on the structure and dynamics of marine ecosystems. To fill some gaps in Northeast Brazil, and to start building a network of young researchers specialised in Marine Spatial Planning, several secondees gave lessons in a variety of disciplines.

Name of the secondee	Duration	Title	Host institution
Sophie Bertrand (IRD)	60 hours	Movement ecology of marine fauna	UFRPE
Arnaud Bertrand, Anne Lebourges-Dhaussy & Jérémie Habasque (IRD)	2 x 60 hours	Ecosystem Acoustics	UFPE-UFRPE
Hélène Hégaret (CNRS) with Dr P.M. da Silva Scardua (UFPB)	student training	Assessing the impact of harmful dinoflagellates of the genus <i>Ostreopsis</i> and <i>Prorocentrum</i> on mangrove oysters	UFPB

Lectures

- Several lectures were also given at our Brazilian partners' premises.
- Lecture in "Movement ecology of marine megafauna: biologging options and statistical modelling": From Oct. 22 to Nov. 02, 2018, Sophie Bertrand (IRD/MARBEC) gave a 60-hour in Recife, Brazil. This lecture forms part of the Master and Doctorate program of the UFRPE. Students from different universities participated: UFRPE-fisheries and aquaculture, UFRPE-biometry, UFRPE - Botanic, FURG.
- Lecture on Ecosystem Ecology in Recife: From 5 to 16 November 2018, Arnaud Bertrand (IRD/MARBEC) gave a 60-hour lecture in ecosystem ecology in Recife, Brazil. This lecture forms part of the Master and Doctorate program of the UFPE and the UFRPE.
- Lecture on Ecosystem Acoustics (photo below): The first course in Ecosystem Acoustics (theory and practice) was organized from August 8-18, 2017 (60 h) in Recife, Brazil, as part of the Master and Ph.D. in Oceanography of the UFPE. The course was coordinated by Arnaud Bertrand (IRD / Marbec) in association with Anne Lebourges-Dhaussy (IRD / LEMAR) and Gary Vargas (UFRPE). Eighteen students and researchers from six nationalities (Benin, Brazil, Colombia, France, Peru and USA) participated.



- Lecture on Ecosystem Acoustics: The second course in Ecosystem Acoustics (theory and practice) was organized from October 8-19, 2018 (60 h) in Recife, Brazil, as part of the Master and Ph.D. in Oceanography of the UFPE. The course was coordinated by Arnaud Bertrand (IRD / Marbec) in association with Anne Lebourges-Dhaussy (IRD / LEMAR), Jérémie Habasque (IRD / LEMAR) and Gary Vargas (UFRPE). Eighteen students and researchers from six nationalities (Brazil, Cape Verde, Colombia, France, Peru and the UK) participated.

- Student training on "Assessing the impact of harmful dinoflagellates of the genus *Ostreopsis* and *Prorocentrum* on mangrove oysters", H. Hégaret (CNRS, LEMAR, France) at UFPB, Joao Pessoa, Brazil with Dr. P.M. da Silva Scardua



Trigger interdisciplinary experiences

The workshop “Governance and policy dynamics in tropical MSP” has been organized by the PADDLE project on Feb. 4th and 5th 2019 in UFPE (Brazil) with the help and support of:

- “A estratégia brasileira de gestão sustentável dos recursos marinhos vivos e não vivos” (UnB, UFC e UPM – CAPES)
- Laboratoire Mixte International Tapioca (IRD, UFPE, UFRPE)
- Bacharelado em Oceanografia da UFPE - 10 anos
- Wageningen University
- Faculdade de Ciências da Universidade de Lisboa

This scientific workshop proposed a comparative approach to marine spatial planning (MSP) between the European Union and Brazil was held in Recife (UFPE). It brought together 65 participants (30 European and 35 Brazilian). Local partners’ interest of this workshop was highlighted by the participation of many administrations (Federal Ministry of the Environment, Ministry of the Environment of Pernambuco, Interministerial Commission for Marine Resources); and several Brazilian universities (Univ Brasilia, UPM-Sao Paulo, UFPE, UFRPE, Univ. Cearra).

The general introduction provided the conceptual framework for the workshop, which examined the different perspectives in terms of governance at sea. From fishing areas to surfing reserves, marine protected areas and legislation governing oil exploitation, a series of presentations provided an overview of the existing areas in Brazil... First steps towards MSP in Brazil were presented the next day. But beforehand, a detour to Europe was allowed by the European partners of the project, who presented the MSP in Portugal, France and the North Sea, within the framework of the European Union’s integrated maritime policy. This workshop was closed by the presentation of existing interconnections across the tropical Atlantic, between Cape Verde, Senegal and Brazil.

21 of the participants then participated to a writing workshop hosted by CEPENE (UFPE), in Tamandaré.

Reinforce collaborations

PADDLE fostered the development of new partnerships and the preparation of several projects and including:

- Collaboration with SEMAS
- Collaboration within the Repensapesca project (PI B. Padovani)
- Building of a multidisciplinary database on Northeast Brazil available on a cloud (Contact G. Domalain)
- The International Joint Laboratory TAPIOCA (www.tapioca.ird.fr)
- The CAPES-COFECUB project of exchanges SMAC (tropical spatial marine spatial planning)
- The H2020 European project TRIATLAS
- The Abrolhos Project on seabirds funded by the Brazilian foundation Boticario
- Student project for an analysis of the relationships between environment and society (MEANDRES, www.meandres.eu) with the realization of a video documentary of the Fernando de Noronha case study.

Provide decision-makers support tools

Field works have been performed in Fernando de Noronha to study the distribution of fish (combining acoustics and video), fishers and seabirds (GPS tracking). The collected data that provide information on the way organisms and humans use the space. Among other, two students work with these data, Tatiana Beltrão (MSc) study the spatial behaviour of fishers and Julie Salvetat (PhD) study the spatial distribution of fish. Both are co-advised by Brazilian and French PADDLE participants.

Still in Fernando, a team of the project organised acoustic prospecting campaigns named “Fish Acoustic around Fernando de Noronha” (FAROFA). From September 11-22 2017 and April 16 - 25 April 2018, Arnaud Bertrand, Paulo Travassos and Anne Lebourges-Dhaussy studied the distribution of fish by combining acoustic measurements and video observations. This work was coupled with GPS markings of seabirds organized by Sophie Bertrand, to acquire data for two female thesis students (Ramilla Assunção and Julie Salvetat) and train them to acoustic techniques.

In Joao Pessoa, research and collaboration efforts aim to assess the impact of harmful dinoflagellates of the genus *Ostreopsis* and *Prorocentrum* on mangrove oysters. Experimental and field work are organised by H. Hegaret (CNRS, LEMAR, France) at UFPB, Joao Pessoa, Brazil with Dr. P.M. da Silva Scardua.

► Field work in Fernando de Noronha



Paddle EARLY-STAGE Researchers

There are many doctoral students involved in the project. This makes it possible to contribute to the construction of a future network of experts on the theme of marine spatial planning around the tropical Atlantic. Here is a brief presentation of the new Brazilian PhD students who have joined the team.

Julie Salvetat

UFRPE

WP2&5

Julie Salvetat is a PhD student from UFRPE working on the Impact of physico-chemical structuration on the distribution of pelagic and demersal fish in Northeast Brazil, using active acoustics. Her two directors are Arnaud Bertrand (IRD) and Paulo Travassos (UFRPE), both involved in PADDLE. The needed data is collected during the ABRACOS (Acoustics along the Brazilian coast) and FAROFA (Fish acoustics around Fernando de Noronha).

Leandro Nole Eduardo

UFRPE

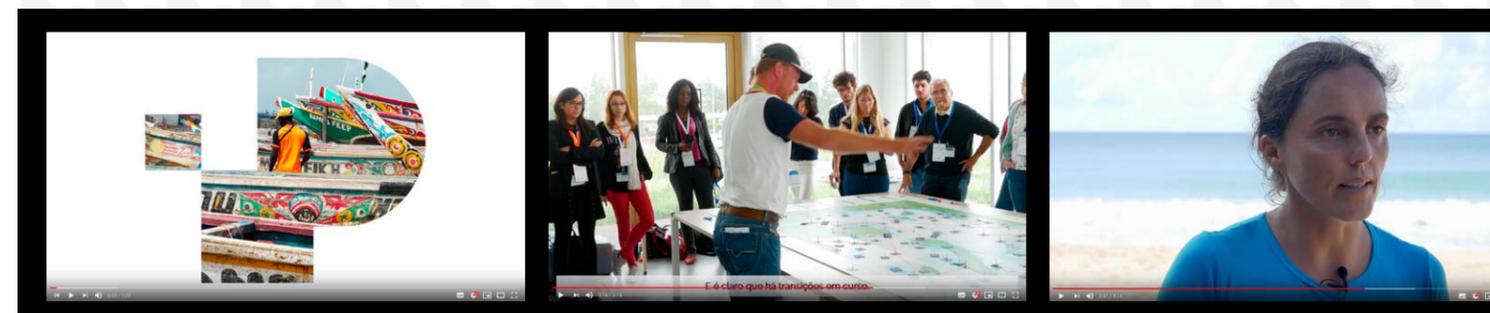
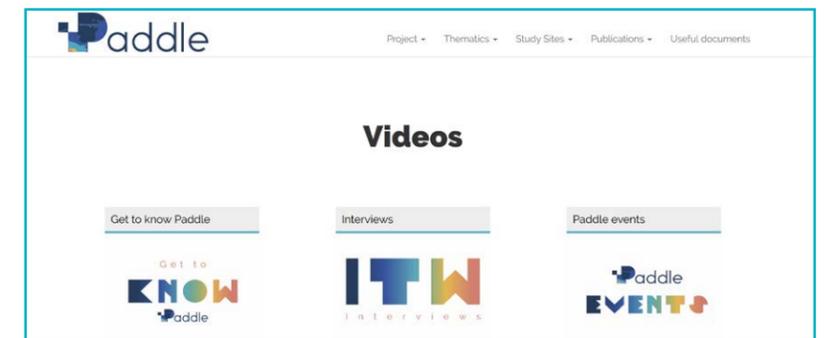
WP2&5

Leandro Nole Eduardo is a PhD student from the UFRPE who is now doing his PhD in co-badging with the University of Montpellier in France. He has two advisers one from Brazil the other from France, both actively involved in PADDLE. Leandro work on the diversity and ecology of demersal and pelagic fish. One of his recent important paper (Eduardo et al., 2018) focuses on the identification of key habitat and the spatial patterns of fish biodiversity in the tropical Brazilian continental shelf.

Eduardo L.N., Frédou T., Souza Lira A., Padovani Ferreira B., Bertrand A., Ménard F., Lucena Frédou F. 2018. Identifying key habitat and spatial patterns of fish biodiversity in the tropical Brazilian continental shelf. Continental Shelf Research, 166: 108-118. DOI: 10.1016/j.csr.2018.07.002

VIDEOS

On the website, in the «Publications > videos» tab, you will find the films produced to present the project and events as well as portraits of researchers. These videos are also available on the project's youtube channel. Discover these videos by flashing the QR Code below:

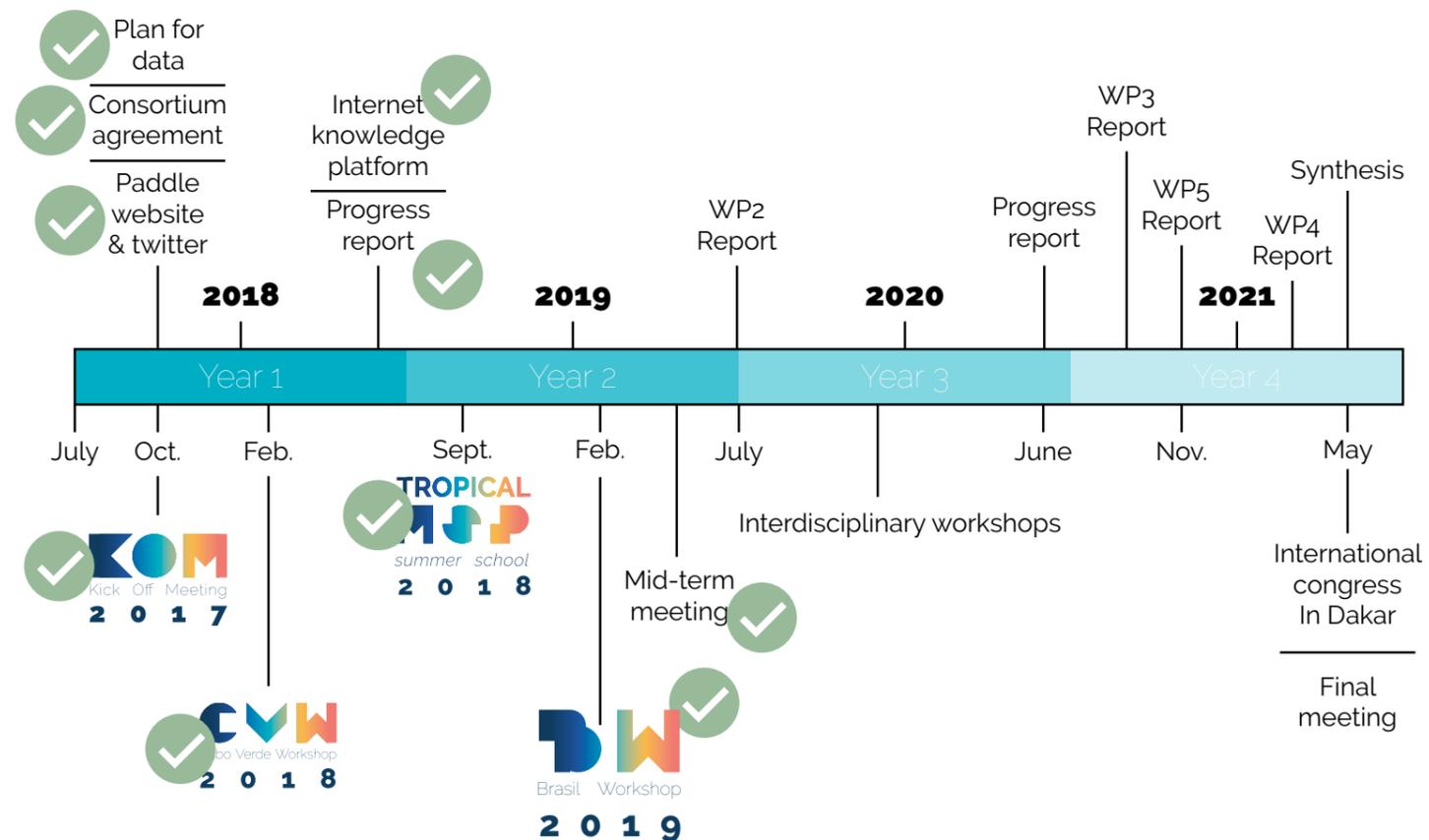


Project PROGRESS

Secondments barometer

	Nb secondment realised	% of planned secondment for the first two years
TerraMaris	2/1	200%
ZMT	23/22	105%
INDP	11/11	100%
UPM	2/2	100%
IRD	43/45	96%
UCAD	13/14	93%
UAC	18/23	78%
UBO	8/11	73%
FCUL	13/19	68%
UFRPE	4/6	67%
Créocéan	7/11	64%
CNRS	7/12	58%
UN	3/6	50%
UFPE	5/19	26%
WU	1/4	25%
USE	1/8	13%

This table shows the mid-term (month 24) targets in terms of realised secondments. Only the secondments wholly accomplished (30 days) have been taken into account.



Timeline of the Paddle deliverables. The green checkboxes show the work already done. Be aware that the two articles for each workpackage are not shown on the figure.

Practical information

- Download the graphic charter of the project on the project's website
- Download the summary of the project Work Packages and tasks on the website
- The following sentence should be present on all documents referring to PADDLE: "This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N° 734271", along with the EU flag
- You are ready to publish an article? You need to finance the open access of your publication? Please contact the project management team!
- The Paddle website is regularly updated with news, photos and videos, don't hesitate to visit it from time to time.



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