



Paddle

Planning in a liquid world with tropical stakes

NEWSletter #1

Edito

Secondments cheat sheet

What's new in the consortium?

Paddle early-stage researchers

Project progress



EDITO

Dear colleagues,

After a little more than 6 months, the PADDLE project is well under way. The kick-off meeting has been the occasion to gather representatives of all the partners of this project and to pave the way for fruitful future collaborations. Since then we are delighted to announce a new partner in the consortium, the University of Paraíba, which will host some of the Paddle secondments. The first workshop of the project, organised in Cabo Verde, has been very stimulating, benefiting from the participation of more than 50 people.

This newsletter aims to keep you informed of the different activities taking place in the project's framework. It reflects the information we receive. Please feel free to send us anything you would find interesting to share inside the consortium.

As the realisation of secondments is the main deliverable of the project, you will find in this newsletter advice to make your secondment a good experience, and also the necessary administrative information.

The second part of the newsletter will present the first project activities in link with the project's objectives: capacity-building, interdisciplinary experiences, tools for decision-making implementation and the development of international collaborations.

Marie Bonnin



◀▶ Photos of the kick off Meeting, Brest, October 9-10, 2017

Make your secondment a good experience!

Leaving abroad, be it for a week or for a month, is always adventurous. Like any adventure, a secondment has to be prepared in advance.

Before you leave, try to get informed on the country you're going to, its customs, culture, and also related risks. European Ministries of Foreign Affairs compile precious country-specific information accessible on their websites. As an example, [here is the link](#) for the French ministry. Other European countries deliver the same kind of information to their citizens, Don't hesitate to ask your institution for more information if needed.

Once you have read this information, you will be able to complete and sign the Risk Assessment form. Somebody else from your institution has to sign it.

To facilitate the preparation of your secondments, documentation is currently being produced by the project team. These documents, named « Welcome in... », will be available on the project's website in the [Useful documents section](#). Don't hesitate to contact the people in the institution you're travelling to, to let them know that you are planning to come well in advance. The sooner, the better!

Recap on the secondment-related administrative issues

What's new?

- All useful administrative documents are now available on the projects website, in the Useful documents section
- When communicating with Marie Bonnin and Odeline Billant please use the following email address: paddle@ird.fr
- The project coordinator and manager participated to the RISE Coordinator Day in Brussels mid-January. Here are a few insights on the raised issues and complementary information. The project team is at the disposition of all the beneficiaries to discuss these points, if necessary.

Uploading the secondment information on the portal

Project beneficiaries are responsible for uploading their secondments on the EU portal. This has to be done in the 20 days following the start of the secondment. A guide is available on the website.

Modifying secondments

It is possible to modify planned secondments (person leaving, dates, secondment destination) as long as the work packages are not affected. Modifications need to be justified and the Project Officer in Brussels needs to be informed. Still, the less changes the better.

Reshuffling secondments

It is possible to reshuffle secondments repartition inside the consortium. If you realise that your institution will not be able to do all the planned secondments, after having tested all possible options, it will be possible to propose them to other institutions inside the consortium.

↓ SECONDMENTS ↓

(Cheat sheet)

Secondment check-list

- ✓ check your secondment eligibility (cf. Art. 6.2, Grant Agreement)
- ✓ Exchange with the project coordinator and manager about your planned secondments
- ✓ Exchange with your institution's department for funding procedures
- ✓ Get informed on the country you're going to, and on visa requirements
- ✓ Complete and sign the risk assessment form
- ✓ Exchange with a person from your host institution
- ✓ Communicate with your WP leader who is going where and when
- ✓ Book your plane and housing, you can refer to the Welcome to ... documents
- ✓ Fill in the attestation of secondment form, detailing the work packages and tasks you have been working on
- ✓ Submit the attestation of secondment form to the project coordinator and to your WP leader
- ✓ Upload your secondment on the EU portal

Audit All project beneficiaries (i.e. European institutions) can be audited at any time during the project and up to 2 years after the last payment. Audits are individual: institution-based and not project-based.

Audits require to be able to prove:

- the eligibility of the secondee (art. 6.2 of Grant Agreement)
- the secondee has worked 100% on the project during the secondment (signed attestation of secondment + work produced i.e. prepared articles, list of gathered documents, lab booklets, etc.)
- the secondee has received min. 2000€ to fund his/her mission
- the research & networking costs (1800€) have been spent in the benefit of the project

You can access the meeting's presentations through [this link](#).

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



▲ Photos of the Cabo Verde Workshop held in Mindelo, February 5-7, 2018

The project is based on four pillars : promoting capacity building, triggering interdisciplinary experiences, providing tools to decision-makers and reinforcing collaborations. This section provides news on these 4 thematics.

Promoting capacity building

The first secondments were realised during the summer. In WP2, staff from INDP, UFPE and UFRPE participated in Brest to biological analyses and collective works. In Brazil, Arnaud Bertrand and Anne Lebourges-Dhaussy proposed the first acoustic lesson in Brazil. This method is particularly useful to evaluate the fish stocks for informed policy-making and implementation of fish reglementations.

Participating in **WP3**, 6 professors and PhD students from the Faculty of law and political sciences of Dakar came on secondment in Brest. These secondments were devoted to bibliographic research on the project's thematics and to the participation to several seminars at IUEM, privileged moments for scientific exchanges linked to marine planning with IUEM researchers.

In **WP 4**, the president of INDP and a department director were also seconded in Brest to research on the links between marine spatial planning and fishermen communities in Cabo Verde. These secondments also allowed to start organizing the first project's workshop in Mindelo in February 2018.

In **WP 5**, Sophie Bertrand, in secondment in Recife, gave a 60h lecture on "Marine megafauna and movement ecology", at UFRPE, to master and PhD students (from biology and statistics) from UFRPE, UFPE, UFAL, and FURG. She also supervised the research of an UFRPE master student (Tatiana Beltrão) on the artisanal fishery in Fernando de Noronha.

Triggering interdisciplinary experiences

Start of February, the first workshop of the project, **CVW2018**, has been organised in Mindelo, Cabo Verde. Around 50 representants of the PADDLE consortium, INDP and lusophone administrations attended to this event, co-organised by INDP, IRD, Uac and IOC-UNESCO.

The participants benefited from a general presentation of the processes at hand in Marine Spatial Planning (MSP), its history and first uses in Western Africa. The scientific community in Cabo Verde and West Africa has a limited access to the practices developed in MSP, this session has been an occasion to share on these experiments. The place and role of local communities has been put forward, thanks to the use of Seasketch, presented by Will McClintock.

Throughout the second day, a special session has been organised on the challenges linked to MSP in Africa, with a presentation of the Cabo Verdian strategy on the sea, linked to Blue Growth. Half of the day has been devoted to a case study using the method developed by Seasketch, bringing everybody to actively participate. The last day was the occasion to share on the tools for MSP, including Geographic Information Systems.

Thank you to all participants and especially to the representants of the University of the Açores, who has done an excellent job in organising this workshop!

Providing support tools to decision-makers

One of PADDLE's aims is to advance reflexion on useful decision-making tools for MSP.



◀ **Philippe Fotso**, PhD Student of the PADDLE team (WP3) is working on the legal conditions of MSP. These works aim to determine whether the juridiciarisation of MSP processes could favor ethical and environment-friendly MSP.

SAVE THE DATE

From September 3 to 7 2018, the Paddle project will organise a summer school on Tropical MSP, which will be held in Brest. More information to come soon.

TROPICAL
M J P
summer school
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Reinforcing collaborations

Most PADDLE partners are already interconnected and have partners in Brazil/Africa thanks to long-term bilateral collaboration. Building on these foundations, the project should extend and strengthen transatlantic collaboration between partners and states bordering the Tropical Atlantic (Brazil-Senegal-Cabo Verde), including with actors not yet involved.

LMI TAPIOCA

Tropical Atlantic Interdisciplinary laboratory on physical, biogeochemical, ecological and human dynamics

- Funding agency: IRD
- Period: 2018-2022
- Geographical area: Brazil and western tropical Atlantic
- Budget: 40 k€/an
- PIs: Moacyr Araujo (UFPE) and Arnaud Bertrand (IRD)

Summary: The LMI TAPIOCA is organised along two interconnected Axes. The first Axis 'Observing ocean structure and dynamics along-scale' will provide knowledge about the ocean structure. The second Axis 'Occupation of space by marine organisms and fishers using natural and artificial tags' will document how organisms and fishers move within this ocean space. Modelling over a variety of forms (conceptual, statistical, numerical) is transversal in TAPIOCA. Furthermore capacity building and the development of new discipline (e.g. ecosystem acoustics) are central in TAPIOCA.

Main Partners: France (IRD research units MARBEC, LEGOS, LEMAR, LOCEAN); Brazil: Universidad Federal de Pernambuco (UFPE) and Universidad Federal Rural de Pernambuco

SMAC

Topical Marine Spatial Planning

- Funding agency: CAPES-COFEUCB
- Period: 2018-2021
- Geographical area: Northeast Brazil
- Budget: 200 k€
- PIs: Flavia Lucena-Frédou (UFRPE) and Arnaud Bertrand (IRD)

Summary: The objective of the SMAC project is to facilitate the development of an integrated approach to the assessment of tropical marine ecosystems. SMAC aims at providing information, knowledge and tools for maintaining ecosystem health as well as populations in particular artisanal fishermen. More generally, this project which finances scientific exchanges, aims at consolidating Franco-Brazilian cooperation in the field of marine sciences and the training of human resources in emerging and innovative fields for both countries. SMAC is intimately linked to the PADDLE project.

Main Partners: France (Research Unit MARBEC and LEMAR); Brasil: Universidad Federal de Pernambuco (UFPE) and Universidad Federal Rural de Pernambuco

ExManCoast

Exchange of organic matter between mangroves and coastal waters

- Funding agency: internal ZMT funding (Program budget)
- Period: Feb. 2018 - Jan 2021
- Geographical area: Northeast Brazil
- Budget: 150 k€

Summary: As a case study for how mangrove forests balance nutrient- and organic matter-dynamics in and among connected coastal ecosystems, ExManCoast (Exchange of organic matter between mangroves and coastal waters) will combine field studies and laboratory experiments to investigate how the coastal vegetation and the associated benthic fauna of three sites in Northern/Northeastern Brazil drive the dynamics of nutrients and organic matter within the coastal ecotone. We will elucidate which plant and animal species are best suited for implementing an ecosystem that most efficiently controls nutrient- and organic matter-dynamics at North Brazilian coasts.

Paddle

EARLY-STAGE

Researchers

There are many early-stage researchers involved in PADDLE. Here is a first list, specifying the topic of their research. Please tell the PADDLE team if other PhD Students are involved in your team, so that we actualize this list in the next Newsletter.

Ines Machado

Univ. Lisboa, WP2



The work plan is focused on understanding how scales used to assess biodiversity and ecosystem indicators affect good environmental status (GES) classification, in the framework of the most relevant EC Directives such as MSFD and MSP. Indicators performance and sensitiveness will be evaluated at different spatial and temporal scales, accounting for their overlapping potential when aggregated for a final GES valuation. The coherence of the classification will be assessed and the scales used in biodiversity indicators will be standardized to produce a homogenised and comparable classification among Member States. The applicability of the biodiversity and ecosystem indicators to tropical regions will be analysed and the need of innovative and specific indicators will be identified so a list of relevant indicators is produced for a case study region (Cape Verde Archipelago).

Pamela Bachman

Univ. Wageningen, WP4

Disentangling discourses and socio-ecological practices in Northern Patagonia, Chile. Implications for national and regional policy-making

In places with a predominantly natural heritage, development and environmental discourses are intertwined and often competing. In these places, productive sectors and rural livelihoods are mainly determined by the state of ecosystems as well as by policy-making processes and ecosystem management. In this context, this research aims to explore three different aspects to contribute to understanding the trade-offs between environmental and societal considerations in regional policy-making in Northern Patagonia (Chile). Firstly, I will analyse how environmental and development discourses are being framed and what the current and the future consequences for policy-making are. Secondly, I will investigate how different configurations of local practices are being shaped by the development of Northern Patagonia's two main economic activities: aquaculture and nature-based tourism, and finally, I will explore the introduction of the ecosystem services concept, as a management tool within regional policy-making.

Joel Kamdoum

Créocéan-IRD, WP5



The main objective of this thesis is to assess what opportunities marine spatial planning can offer to tropical coastal ecosystems in general, and to those of the Atlantic in particular by (1) proposing a critical synthesis of existing Decision Support Tools in the light of the challenges of the tropical zone, (2) selecting a portfolio of adapted DST and applying it to a case study (Brazil, State of Pernambuco) and, (3) by exploring and evaluating different governance scenarios in partnership with members of the Paddle consortium.

Mario Caña

Univ. Azores, WP4



My thesis aims to address the challenges and opportunities that islands, particularly Small Island Developing States (SIDS) have regarding the administration of oceans. The combination of issues related to insularity, small state administration and a developing economy coupled with jurisdiction over large maritime spaces is a situation that often applies to SIDS. This poses challenges to ocean governance, the development of the blue economy and planning policies such as Maritime Spatial Planning (MSP) which need to be examined within this context.

Philippe Fotso

UBO, WP3



The legal pre-requisites for the implementation of MSP in Tropical Atlantic

The aim of this thesis is to question the existence of legal pre-requisites guaranteeing the legal security of actors and the protection of the environment during the implementation of marine spatial planning processes across the Atlantic (Europe, West Africa and Brazil). It is based on the analysis of the legal translation of European Union MSP processes, in order to consider their possible transcription in the tropical region.

Mohamed Diedhiou

UCAD, WP3

Thèse de doctorat en droit public. Cette thèse repose sur l'analyse des évolutions récentes de la convention d'Abidjan. Elle met en évidence le rôle des conventions internationales régionales de protection de l'environnement dans l'évolution du dispositif juridique de protection de l'environnement marin.

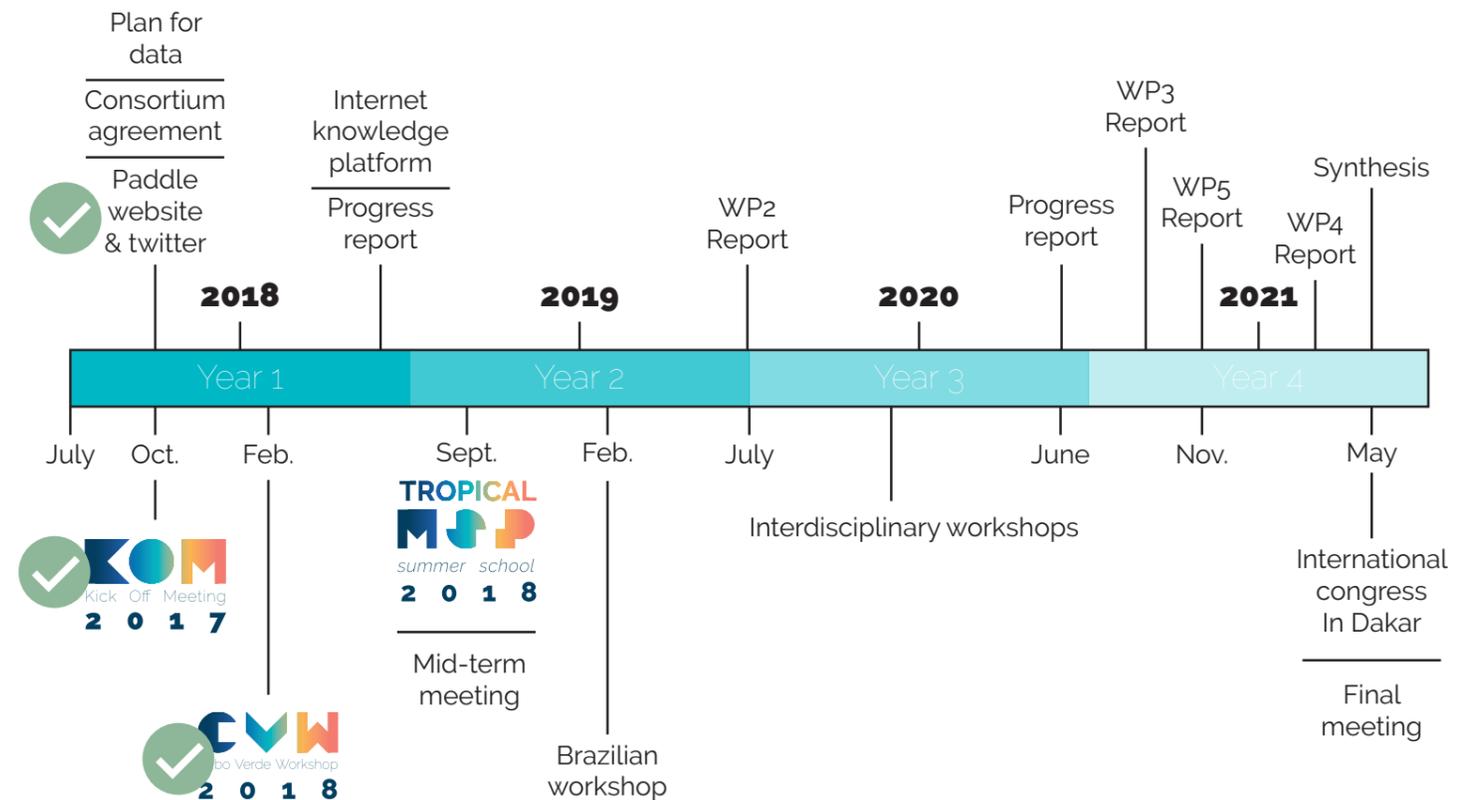


Project PROGRESS

Secondment barometer		
	Nbr of realised secondments	% of planned secondments before mid-term
Terra Maris	1/1	100%
UBO	4/8	56%
UPM	1/2	50%
UCAD	7/14	50%
IRD	15/34	44%
INDP	4/11	36%
UFRPE	2/6	33%
UaC	6/23	26%
FCUL	4/19	21%
UFPE	3/19	16%
ZMT	1/22	5%
CNRS	0	0%
Créocéan	0	0%
U. Nantes	0	0%
USE	0	0%
WU	0	0%



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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