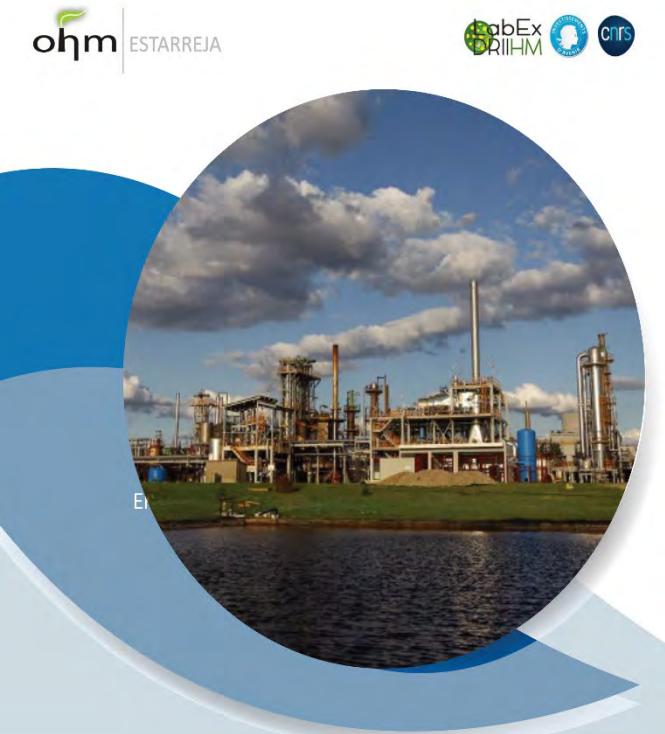


News from OHM Estarreja

The last 12 months



Jean-Philippe Bedell¹, Anabela Cachada², Carla Patinha³,
Anne-Marie Guihard-Costa⁴, Eduardo Ferreira da Silva³

¹ ENTPE, Ecole Nationale des Travaux Publics de l'Etat, CNRS, UMR 5023 - LEHNA, Laboratoire d'Ecologie des Hydrosystèmes Naturels et Anthropisés 3, Rue Maurice Audin F-69518 Vaulx-en-Velin Cedex France.

² Department of Biology, Faculty of Sciences, University of Porto, Rua do Campo Alegre, s/n, 4169-007 Porto, Portugal

³ Universidade de Aveiro, Aveiro, Portugal.

⁴ UMR 8045, BABEL (CNRS/Université Paris Cité), IML, 2 Place Mazas 75012 Paris France

News from OHM and DRIIHM

10º COLÓQUIO OHMI-ESTARREJA 2022

Reflexão para um diálogo transdisciplinar em Estarreja

Estarreja, 3 e 4 Nov. 2022

Organização:
ohm ESTARREJA AGORA Risk Apoio:
LabEx DRIIHM CNRS E ESTARREJA ESCOLAS ESTARREJA universidade de aveiro geobiotec SEG Centro Inovador de Ambiente e Desenvolvimento Sustentável



AGORA
Risk



SU iT RESEARCH '23

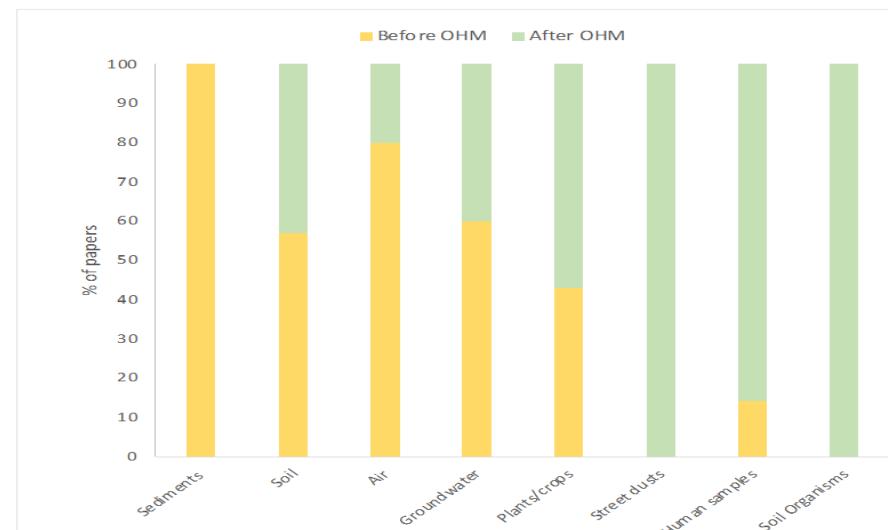
Ten years of the OHM-Estarreja: evolution and major achievements

Anabela Cachada¹, Carla Patinha², Jean-Philippe Bedell³, Anne-Marie Guihard-Costa⁴, Eduardo Ferreira da Silva²

Research Summit 2023 will take place on July 12, 13 and 14, under the theme Inclusive, innovative and sustainable societies

(voir poster)

Since the creation of this observatory there was a shift in the focus of studies conducted, from geochemically based to the assessment of environmental and human health effects, reflected by the target matrix studied (Figure 1). Also, since the OHM establishment, different approaches have been considered (e.g.: spatial-temporal evolution of the contamination level; health studies of the population; societal changes in the area), allowing to better understand the risk induced by the ECC. The results obtained in the last 10 years clearly show that interdisciplinarity was a key factor to address this complex issue of human-environment interactions. Nevertheless, **several knowledge gaps were identified** (e.g.: toxic elements speciation, biological individual responses to contamination, particularities of family lifestyles) that can contribute to confirm or infirm this relationship between health, contamination and socio-ecosystem



Hommage et SAUDADE

Notre collègue Manuela Inácio, membre du Conseil de Direction de l'OHMi Estarreja, nous a quittés le 29 mars 2023, après un long combat contre la maladie.

Chercheur au Département de Géosciences de l'Université d'Aveiro, Manuela a fait partie de l'aventure de l'Observatoire dès sa création en 2010. Son expertise en géochimie environnementale a constitué une des bases sur laquelle s'est développé l'OHMi. Ses travaux sur la contamination aux métaux lourds et composés organiques persistants sur le territoire d'Estarreja, et leurs effets sur la santé humaine et animale, ont été des éléments fondamentaux dans notre connaissance des effets à long terme d'une contamination industrielle. Elle était une des plus ferventes praticiennes de cette nouvelle branche des sciences environnementales : la géochimie médicale. Manuela était toujours optimiste, ouverte pour échanger, pensait toujours au projet suivant, qu'il fallait inventer, construire. Et elle avait raison.

Elle est partie, mais nous laisse en héritage non seulement une base de données scientifiques de première importance, mais également un peu de ce qui nous motive : l'enthousiasme de la connaissance. Nous ne l'oublierons pas.

Adieu, Manuela, que la nuit des chercheurs te soit douce.



News from OHM and DRIIHM

News from OHM Fessenheim

A quick overview

Dominique Badariotti, Fanny Greullet

LIVE, UMR 7362, Strasbourg

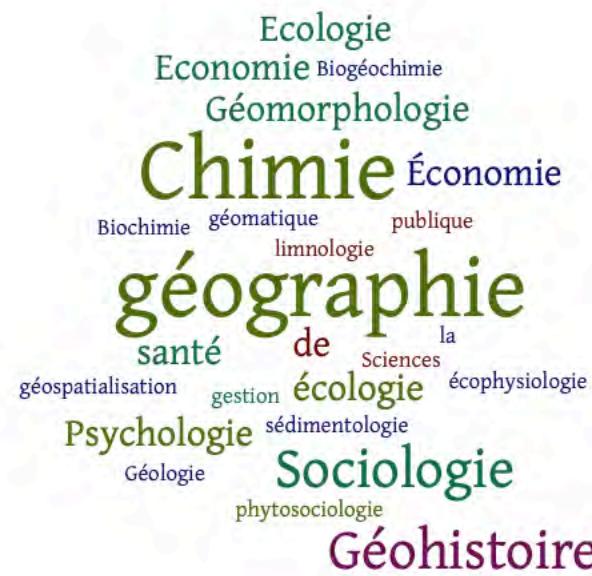


News from OHM and DRIIHM

Key result: The resonance of the research tool and the momentum generated!

A fertile exchange tool, coveted for its specificity

Breaking down the barriers between disciplines



The genesis of related interdisciplinary projects

Topics

- Regulatory and technical study to assess the environmental benefits of reusing the nuclear site to develop green energy solutions
- Territorial framework for green transformation

Interreg



Cofinancé par
l'Union Européenne
Kofinanziert von
der Europäischen Union

La Région
Grand Est

Rhin Supérieur | Oberrhein



eucor



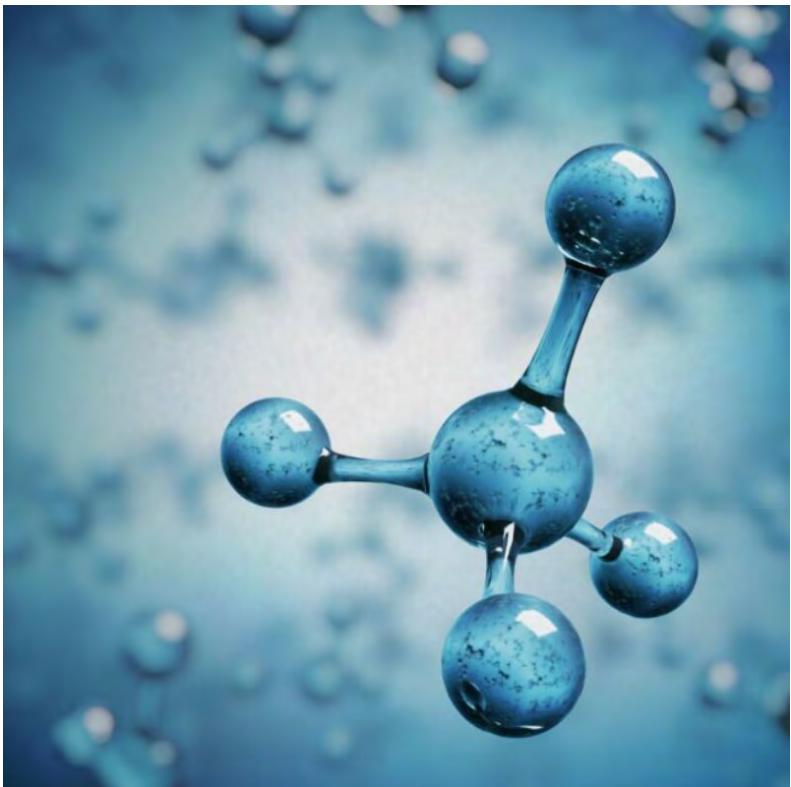
Partner in Franco-German research projects

Interreg



Cofinancé par
l'Union Européenne
Kofinanziert von
der Europäischen Union

Rhin Supérieur | Oberrhein



CO2InnO - Living laboratory for a pilot CO2-neutral innovation region - Development of energy and mobility solutions

The overall aim is to create a living laboratory to accompany and drive forward the process of transformation towards a climate-neutral Upper Rhine region by demonstrating concrete approaches to energy solutions. In this context, hydrogen-based cogeneration plants for electricity and heat production are at the heart of the project. The resulting decentralized energy production is also coupled with networks of recharging stations to promote e-mobility.

OHM Fessenheim: environmental impact of reusing/recycling the plant's infrastructure to build innovative energy solutions. Which scenario has the least environmental impact? Recycling, storage, etc.? What is the legal framework?

Interreg Upper Rhine project, involving 12 partners and 60% co-funded by the European Union (€2.5 million; total cost €4.3 million) / Oct. 2022 - Oct. 2025 (3 years)

<https://ohm-fessenheim.fr/recherche/projets-connexes/co2inno/>

Partner in Franco-German research projects



Fessenheim innovation region

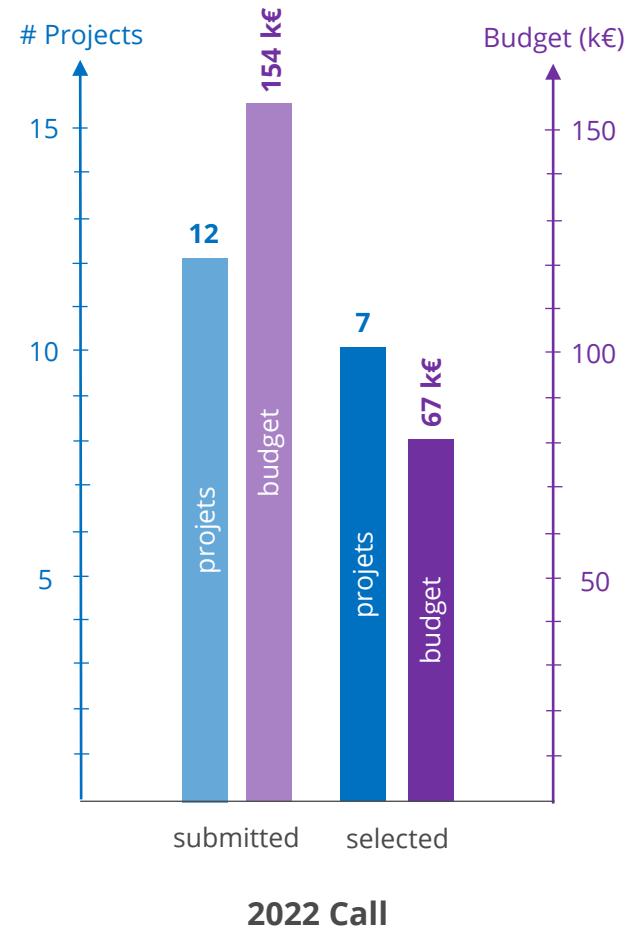
The overall aim of the feasibility study is to develop a sustainable, forward-looking region through carbon neutrality and a circular economy, in order to advance the transformation of society and the economy towards a renewable energy supply and sustainable resource use, combined with the creation of forward-looking jobs. With the help of the scientific and industrial expertise available in the region, the study aims to make the vision and potential of the Fessenheim region more concrete, and to help define the first Franco-German and European demonstration projects.

OHM Fessenheim: assess the feasibility and relevance (social acceptability, legal framework, environmental impact, territorial dynamics) of the pilot projects planned for the area.

Feasibility study financed by the French state, the German state, the Grand Est region and the Baden-Württemberg land through Eucor – 800 k€ / Jan. 2021 - March 2022

<https://ohm-fessenheim.fr/recherche/projets-connexes/region-innovation-fessenheim/>

Last call for research projects



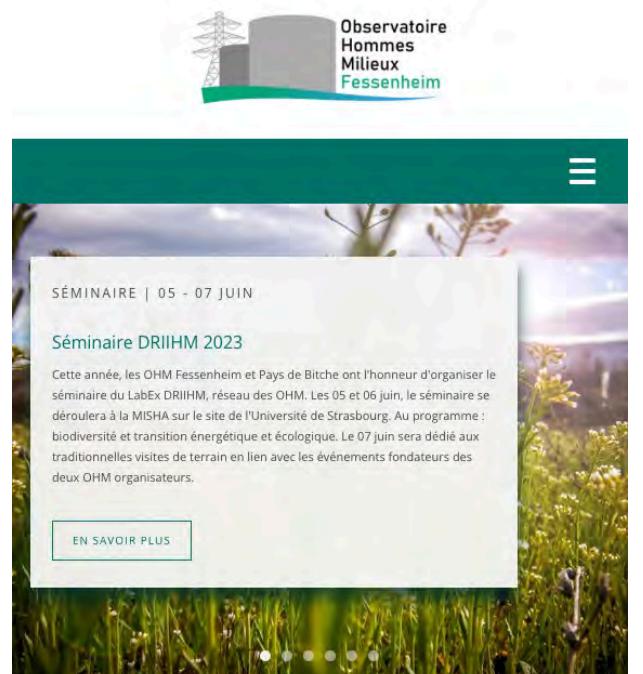
1. Mediations in the management of post-dismantling development project at the Fessenheim nuclear power plant (MEPADE), Valentine Erné-Heintz & Éric Maire
2. Evaluation of scenarios for an energy, economic and social transition of the Fessenheim area (ESTEES) , Nadège Blond & Thierry de Larochelambert
3. Identification and measurement of behavioral anomalies in the energy transition context in the Upper Rhine region: households' choices in terms of renewable energies and rebound effects. Nhat-Anh Nguyen & Anne Stenger
4. Structuring facts, tipping points and their influences on the Rhine River: historical and prospective approaches (DOMINO), Cybill Staentzel
5. Life Cycle Analysis of very low-level waste treatment: case of the dismantling of Fessenheim NPP, Michal Kozderka
6. Long-term study of the impact of dismantling the Fessenheim power plant on sentinel bird species, Sylvie Massemin
7. The Fessenheim Ecosystem: impact and prospective issues following the decision to close the nuclear power plant, Patrick Rondé

<https://ohm-fessenheim.fr/recherche/apr/>

Dissemination and valorization

An active, lively website

ohm-fessenheim.fr/



An annual newsletter: BOHM !

Widely spread among local stakeholders (officials, associations, industrials) and national scientific research units



[/valorisation/bohm/](http://valorisation/bohm/)

Video library

Just starting ...

Initiated with the LabEx DRIIHM video capsules EEDD project



[/valorisation/videotheque/](http://valorisation/videotheque/)

Dissemination and valorization



Enjeux et perspectives des SMRs

Pierre Gavaille, chef du programme de R&D sur les SMRs au CEA

Depuis quelques années, un nouveau type de réacteurs nucléaires, les Small Modular Reactors (SMRs), plus petits et construits en série par modules, a fait son apparition, avec de nombreux projets portés en France comme à l'international. Après avoir expliqué les...

EN SAVOIR PLUS



Le lithium géothermique alsacien au cœur de la transition énergétique

Romain Millot, Directeur Scientifique de Lithium de France

Les matières premières de la transition énergétique et digitale se trouvent dans notre sous-sol, sous nos pieds. Ces métaux tels que le nickel, le cuivre, le cobalt, ou encore le lithium entrent notamment dans la composition des batteries de nos...

EN SAVOIR PLUS



Pouvoirs et informations, moteurs de la décision collective : le cas de Cigéo

Véronique Thireau, CHROME UPR 7352, Université de Nîmes

D'intérêt général pour les uns, inutiles et imposés pour d'autres, les projets d'aménagement les plus divers - aéroport, barrages, lgv, centrales solaires, mines, parcs éoliens, bassins pour l'agriculture ou stockage de déchets - font l'objet de contestations, d'oppositions voire de...

EN SAVOIR PLUS



Orange hydrogen is the new green

Florian Osselin, Institut des Sciences de la Terre d'Orléans

Maintaining global warming well below 2°C, as stipulated in the Paris Agreement, will require a complete overhaul of the world energy system. Hydrogen is considered to be a key component of the decarbonization strategy for large parts of the transport...

EN SAVOIR PLUS



Energy transitions of the past, the present and the future: beyond technological change

Mar Rubio-Varas, Department of Economics, Universidad Pública de Navarra (UPNA), Pamplona, Spain

Energy transitions affect how we obtain, transform and enjoy energy. In recent years, the concept itself has evolved. It began as the object of study of energy historians, verifying the transformations that occurred in the energy systems of the past...

EN SAVOIR PLUS

A conference cycle: “Les lundis de l’OHM”

- ✓ Monthly rendez-vous (first Monday of each month)
- ✓ Invited speakers from French (or abroad) research labs / industries relevant with OHM Fessenheim research topics and trajectory
- ✓ Open to everyone and an evergrowing mailing list
- ✓ National audience: scientists from very diverse French research units / fields, a reasonable portion of stakeholders of the nuclear field, and a tiny bit of curious citizens
- ✓ 100% online as our audience is not specifically from Strasbourg
- ✓ Replay and slides available on our website

<https://ohm-fessenheim.fr/actualites/lundis-ohm/>



News from OHM Caribbean coast

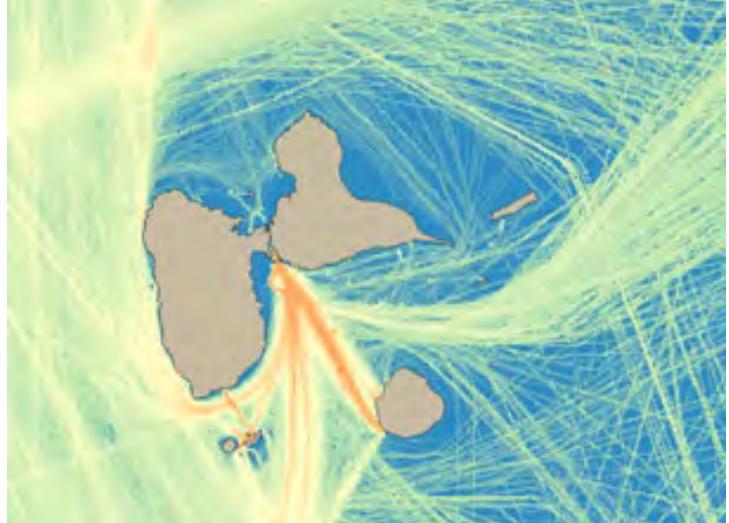
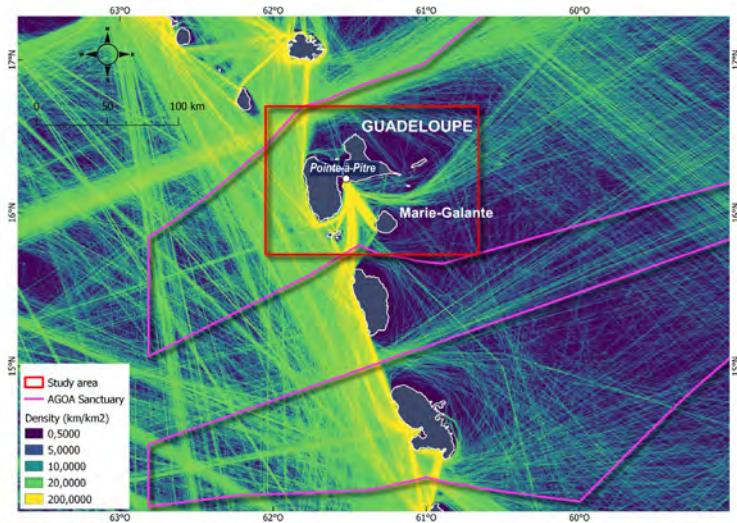
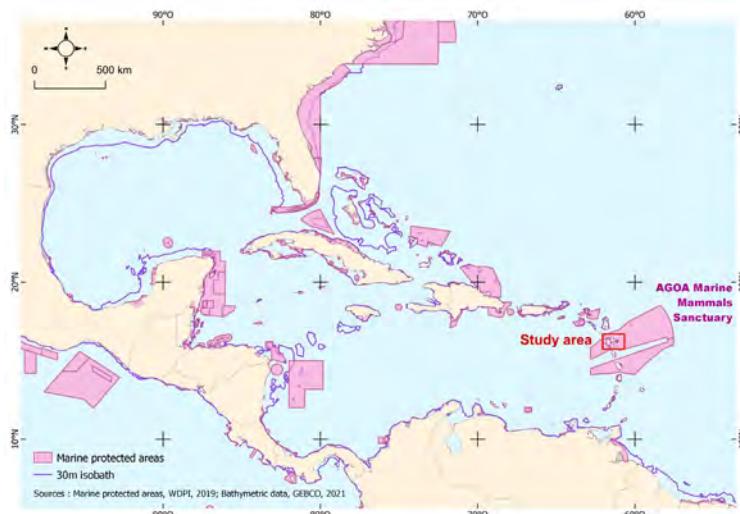
A quick overview

Pascal-Jean Lopez, Eric Foulquier, **Richard Raymond***



News from OHM and DRIIHM

Marine traffic, environmental inequities and biodiversity



News from OHM and DRIIHM

Postdoc: Clément Iphar

Funding : MSCA COFUND & Région Bretagne

Dates: 2022-2023



Projet ShipMap: Geovisualisation of areas of exposure to SHIPping for MArine Policy

Co-supervisors: Iwan Le Berre (LETG UBO), Eric Foulquier (UBO), Aldo Napoli (Mines Paritech)

Main objectives :

- ✓ Perform data mining and identify available data that describe the exposure of marine and coastal areas to shipping, and integrate them within a coherent dataset;
- ✓ Assess the exposition to shipping of areas of interest in the Caribbean and the risks that can stem from this traffic;
- ✓ Perform a thorough data quality assessment of each of the integrated datasets in the database and through this data augmentation, local or general, with statistical and probabilistic review;
- ✓ Implement a geovisualisation tool for decision-makers and stakeholders, as a support to their actions and policies about marine and coastal areas that are exposed to maritime traffic.

Master student (M2): Coraline Soul

Funding : ISblue, IUEM-UBO

Dates: May-October 2023



Projet ShipMap : Geovisualisation of areas of exposure to SHIPping for MArine Policy

Supervisors : Clément Iphar (UBO), Iwan Le Berre (LETG UBO)

Main objective :

Development of a geovisualization interface for maritime traffic in the Caribbean, integration of environmental pressure indicators, development of interactive analysis and display functionalities, querying of a massive spatio-temporal database.

News from OHM and DRIIHM

PhD: Manuel Sahuquet

Funding : Ecole doctorale des sciences de la mer, UBO

Dates: Oct 2022- Oct 2025

Direction: Iwan Le Berre (LETG UBO), Antoine Frémont (CNAM) ; **Co-supervisor:** Eric Foulquier (LETG UBO)

Projet: Geovisualisation of areas of exposure to SHIPping for MArine Policy (ShipMap)

Objectives : Determine whether, and to understand how, maritime traffic, through its activities and infrastructures (port in particular), can generate environmental inequalities, defined as a "double inequality of access to amenities and resources, and of exposure to pollution".

Method: multiscalar approach, on a Caribbean scale through spatial analysis of maritime traffic data (AIS) and mapping of port facilities; on a local scale through human science surveys.

Fieldwork scheduled to date: Panama (November 2023).



PhD: to be recruited

Funding : GDR OMER (CNRS MITI)

Dates: Oct. 2023 - Oct. 2026

Supervisors : Pascal Jean Lopez (BOREA CNRS), Iwan Le Berre (LETG UBO); **Co-supervisors:** Stéphane Le Floch (CEDRE), Eric Foulquier (LETG UBO)

Projet : Impacts of marine traffic on the composition and diversity of the marine surface microlayer (TiraMisu)

Main objective :

- ✓ Carry out a survey of Guadeloupe's ports, in order to produce a typology based on their function and traffic.
- ✓ Studies of molecular diversity (i.e., prokaryotes and eukaryotes), physicochemical characterizations (including hydrocarbons, trace metals and macroelements) of the surface microlayer.

News from OHM and DRIIHM

Education for sustainable development



News from OHM and DRIIHM

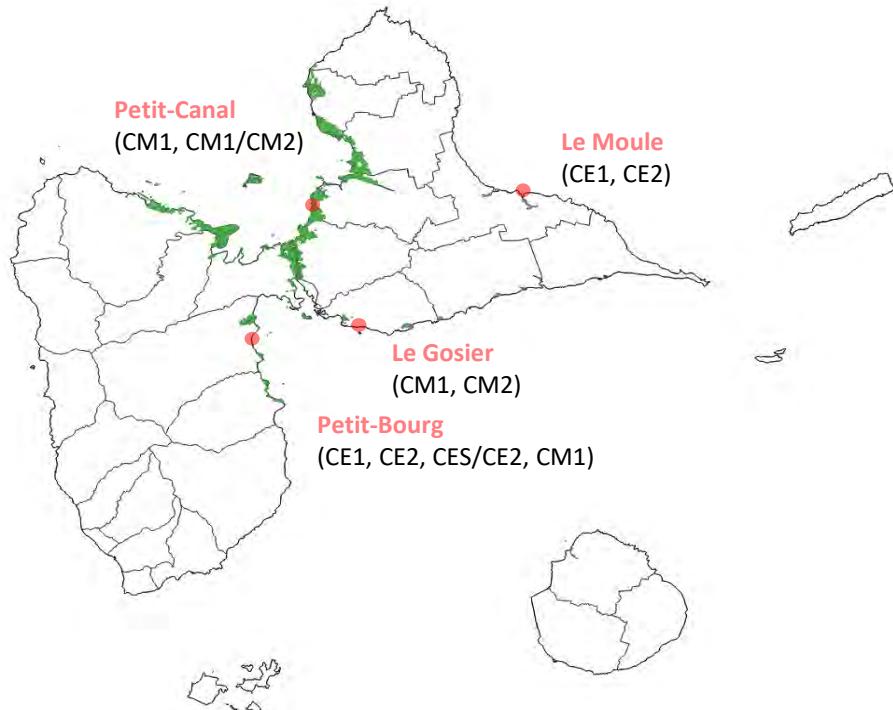
Project: Evolution of representations and perception of changes in Mangroves (EVOLUM)

Funding: CNRS-DRIIHM / Inter-OHM APR 2022

Territories: OHM Oyapock, OHM Littoral Caraïbe



Master students: Chloé Roger (OHM LC, Univ. Montpellier) & Inès Slaouti (OHM Oyapock, Univ. Libre de Bruxelles)

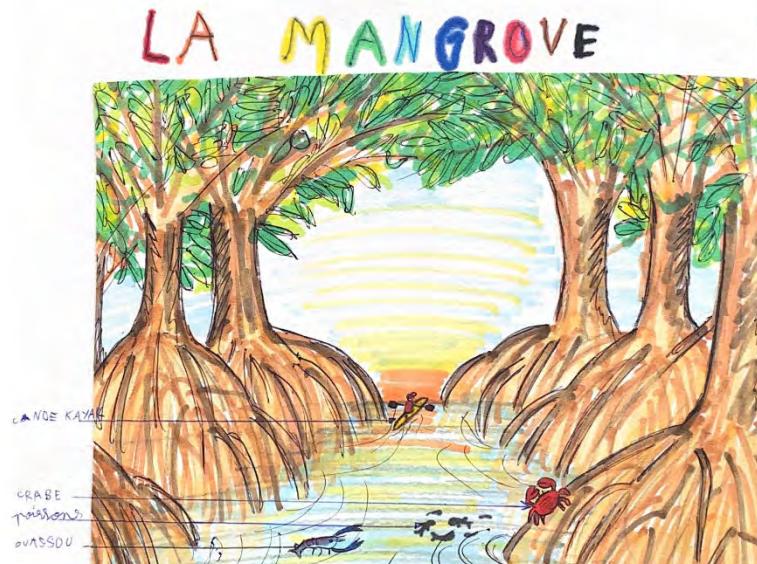


News from OHM and DRIIHM

- Intervention in schools and analysis of mangrove drawings: 158 kids & 51 relatives



- Creation of a notebook for field trips



News from OHM and DRIIHM

Diet, food supply chains and marine traffic



News from OHM and DRIIHM

IE CDD : Cecilia Di Loreto

Funding : ADEME - ITTECOP

Dates: 2022-2023

Project PADIT: Agri-food landscape and transport interface development. The Guadeloupean food systems, between globalization and territory

Co-supervisors: Valérie Angeon (EcoDéveloppement - INRAE), Richard Raymond (Eco-Anthropologie – CNRS)

Main objectives :

- ✓ Documenting Guadeloupe's food supply systems
- ✓ Analyses food governance in territorial food supply chains

Master student (M2): Marie Belin, Evy Legros, Florine Pagès

Funding: ADEME – ITTECOP, CNRS-DRIIHM

Dates: February-September 2023



Project PADIT: Agri-food landscape and transport interface development. The Guadeloupean food systems, between globalization and territory

Fat Food

SASI :

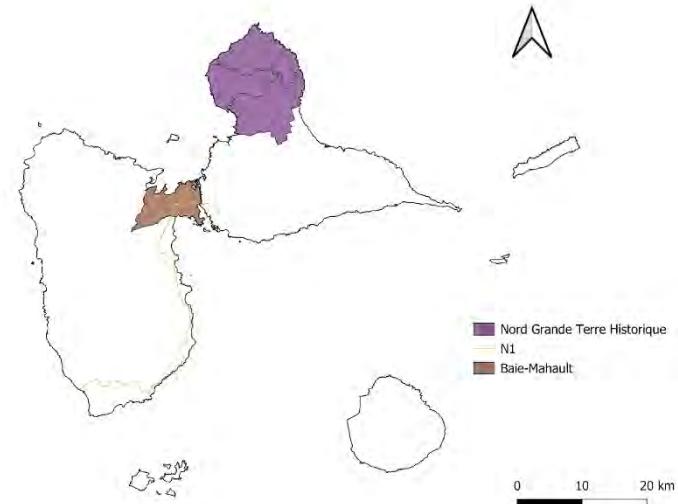
Supervisors: Valérie Angeon (EcoDéveloppement - INRAE), Michel Rapinski (Eco-Anthropologie – CNRS), Richard Raymond (Eco-Anthropologie – CNRS)

Main objectives:

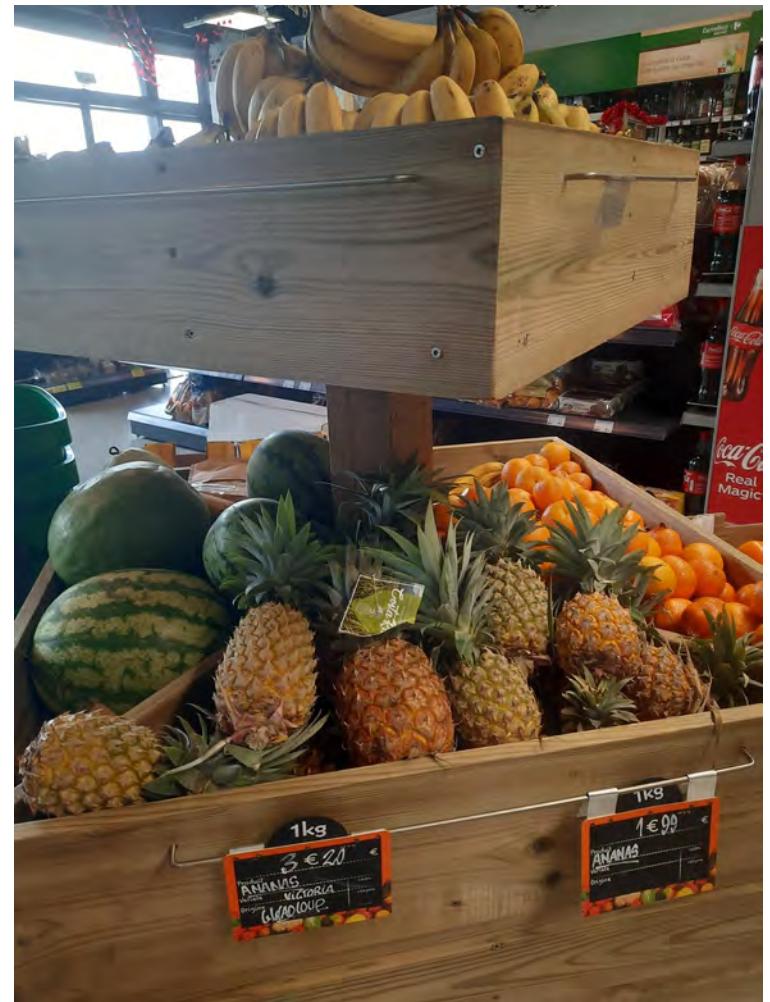
- ✓ Document What Does Healthy Eating Mean?
- ✓ Built databases on 24-hour Dietary Recall (24h DC) and on food sources



- **Food supply systems**
- ✓ Surveys: 35
- ✓ Georeferenced photographic database
- ✓ Observations of sales outlets, marketing channels



- **Consumers**
- ✓ Surveys: 57
- ✓ 24-hour Dietary Recall: 157



News from OHM and DRIIHM

News from OHM Mediterranean coastal zone

The last 12 months

Patrick Monfort, DR CNRS, HydroSciences, Montpellier

20 Septembre 2022



La Marseillaise

ACCUEIL POLITIQUE SOCIAL SOCIÉTÉ ÉCONOMIE FRANCE INTERNATIONAL ENVIRONNEMENT SP

Q S'ABONNER SE CONNECTER

DANS L'ACTU #EDITO #OM #RUEDELAREPUBLIQUE #RETRAITES #WEB

NOS TERRITOIRES BOUCHES-DU-RHÔNE VAR VAUCLUSE HÉRault GARD

Home Environnement

Un colloque pour comprendre le littoral

Le 13 septembre, Port-Camargue a accueilli un important colloque de l'Observatoire hommes milieux littoral méditerranéen. En présence d'une centaine de personnes, analyses et projets ont pu être présentés pour mieux appréhender le futur de ce littoral languedocien.

ALAN BERNIGAUD / LA GRANDE-MOTTE / 20/09/2022 | 06H08

Lisez n édition papier en PI
Votre à pa 9,90

Le Point 19 septembre 2022

Face à l'érosion, « il est temps d'accepter l'idée de recomposition spatiale »

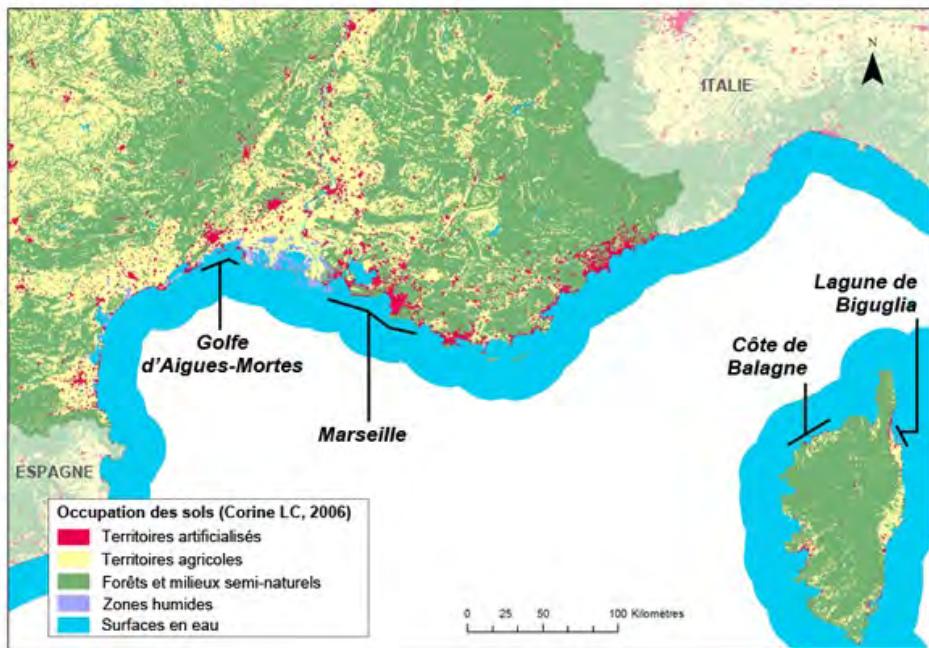
ENTRETIEN. Il est urgent d'agir face à l'érosion du littoral et la hausse du niveau de la mer, insiste la chercheuse Hélène Rey-Valette.

Propos recueillis par Caroline Douteau



News from OHM and DRIIHM

Reminder: 4 study sites



Patrick Monfort, DR CNRS, Ecologie Microbienne
Directeur de l'OHM, UMR 5151 HydroSciences, Montpellier

Stéphane Ghiotti, DR CNRS, Géographe

Site du GAM, UMR 5281 Acteurs, ressources et territoires dans le développement (ART-DEV), Montpellier

Samuel Robert, DR CNRS, Géographe

Site de Marseille, UMR 7300 Etudes des structures, des processus d'adaptation et des changements de l'espace (ESPACE), Aix en Provence

Caroline Tafani, MC, Géographe

Site de la Balagne, Università di Corsica Pasquale Paoli – UMR 6240 Lieux, Identités, eSpaces, Activités (LISA), Corte

Vanina Pasqualini, PR, Ecologie marine

Site de Biguglia, Università di Corsica Pasquale Paoli – UMR 6134 Sciences Pour l'Environnement (SPE), Corte

"News from OHM" Session

Call for projects 2022 :

Financing of 8 projects for a total of €62,800

- Dredging the ports of the Gulf d'Aigues Mortes
- European directives and management of Mediterranean lagoons
- Legal constraints on management of the Biguglia lagoon socio-eco-hydrosystem
 - Emerging contaminants : Lagoons of Or (GAM) and Biguglia
 - Plastics and bacterial antibiotic resistance: GAM and Biguglia lagoons
- Public policies and local mobilization around coastal plants (Hottentots fig and posidonia in Balagne)
- Planning the maritime space off the coast of a major city: how to integrate social and ecological dimensions in the service of a genuine sustainability objective?
- Drainage of urban areas to protect the quality of watercourses and the coastal zone of the Gulf of Aigues Mortes.

"News from OHM" Session

2012 – 2022 OHM Littoral méditerranéen celebrates its tenth anniversary



September 13, 2022, a
symposium in Port Camargue
10 years of activity on the Golf
d'Aigues Mortes site



"News from OHM" Session

September 13, 2022

Symposium, Yacht Club, Port Camargue

10 years of activity on the Golf d'Aigues Mortes site Ports - Environment Health - Beaches - Lagoons and watersheds

120 participants (President of the University of Montpellier, Director of INEE)
including over 50 non-academics

Mayors of Grau du Roi, Grande Motte, Palavas-les-Flots, Villeneuve les Maguelone
DREAL - Marine and coastal environments

The relevant departments of Région Occitanie, Montpellier Méditerranée Métropole, Communauté
d'Agglomération Pays de l'Or, Grau du Roi, Grande Motte

Three water industry operators : VEOLIA, SUEZ, SAUR

Associations : Compagnon de Maguelone, Association Sportive des Plaisanciers de Port Camargue
Conservatoire des espaces naturels, Tour du Valat
Engineering consultants

"News from OHM" Session

The coastline. The coastal socio-ecosystem - The coastline in the face of rising sea levels

Ports Monitoring the chemical and microbiological quality of Port Camargue: towards a better understanding of the port system for improved management. Perceptions of ports in the Gulf of Aigues Mortes and recreational boating practices.

Environment Health. Dissemination, persistence or emergence of antibiotic resistance: role of urban and lagoon water environments

Monitoring of Sars-CoV-2 in wastewater from Montpellier, La Grande Motte and Le Grau du Roi as an indicator of the Covid-19 epidemic. Relationship with tourist numbers.

Beaches Links between beach sanitary quality (water and sand), hydro-climatic conditions and users. Application to Mediterranean coastal beaches.

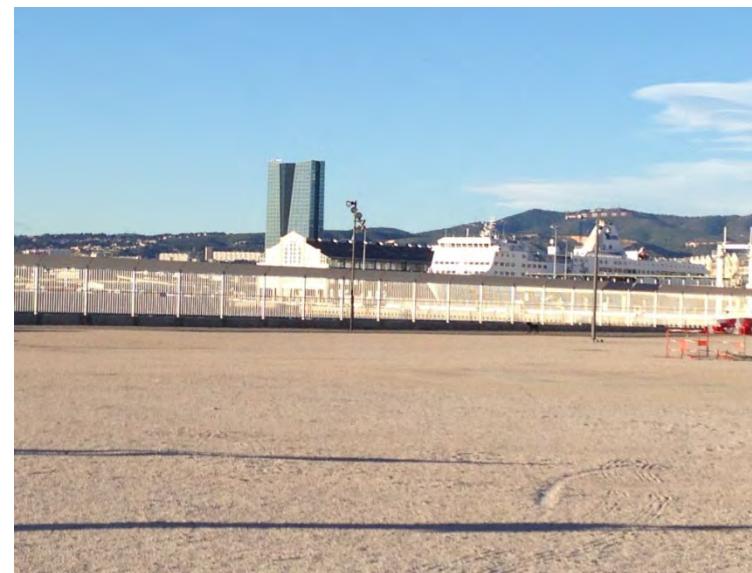
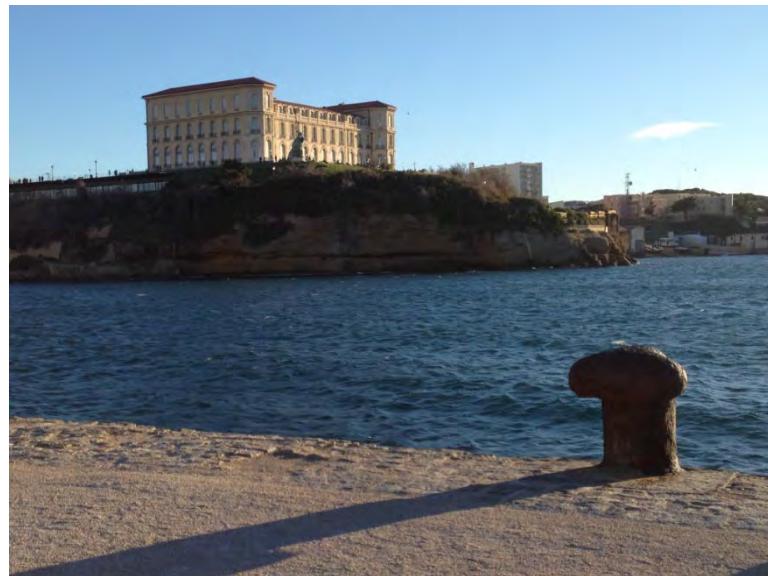
Lagoons. The lagoon socio-ecosystems of the Gulf of Aigues Mortes: review of 10 years of research within the OHM Littoral Méditerranéen.

Flows of contaminants from the Lez watershed to the coast: Land use, hydro-meteorological conditions and citizen perceptions.

"News from OHM" Session

2012 – 2022 OHM Littoral méditerranéen celebrates its tenth anniversary

June 14 and 15, 2023, a symposium in Marseille, Pharo site
10 years of activity on the Marseille site
Hundreds of subscribers



"News from OHM" Session

2023 – 2027 PEPR SoluBiod

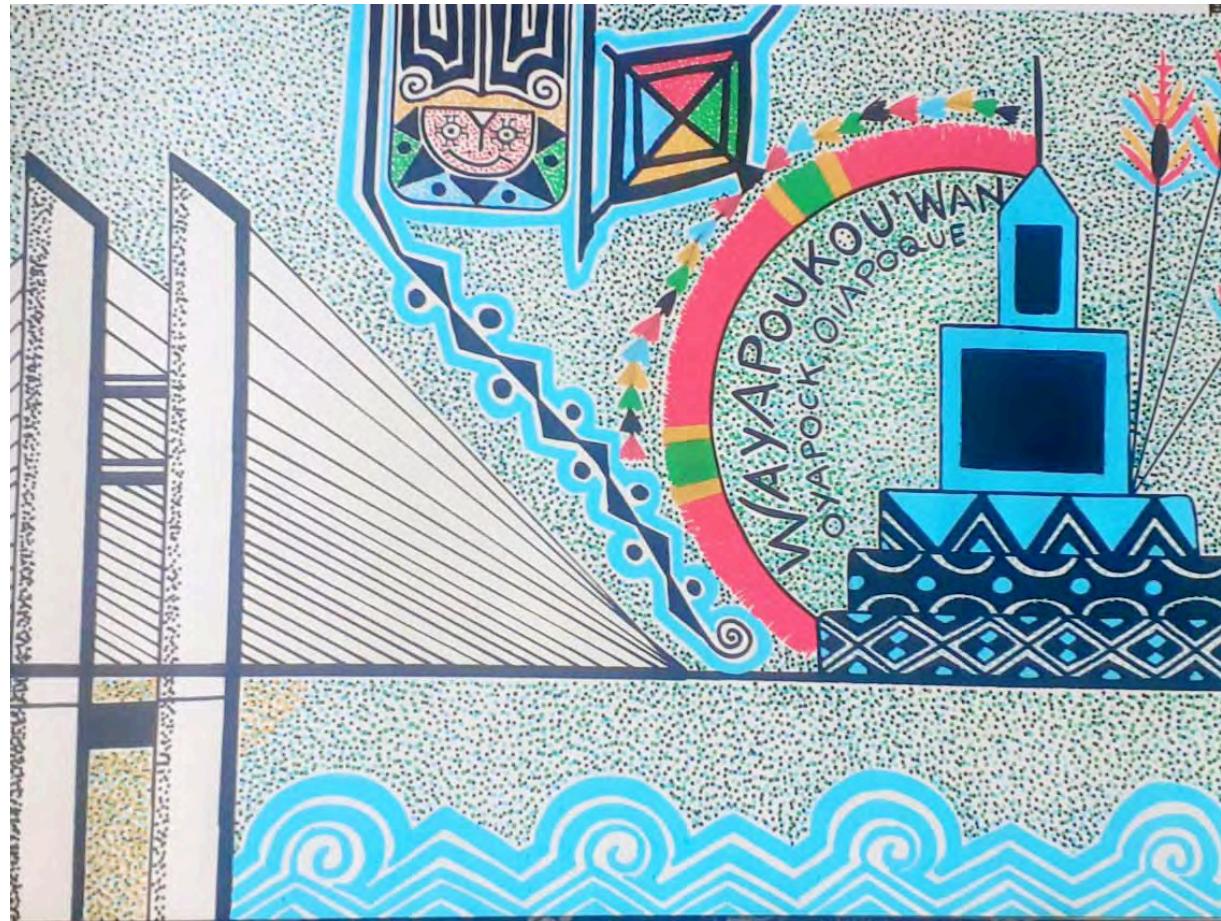
Biodiversity and nature-based solutions: innovate with nature to create positive impacts for biodiversity, society & economy

Mediterranean Coastal Living Lab

"News from OHM" Session

News from Oyapock

Damien Davy



Le pont de l'Oyapock vu par l'artiste
Yermollay-2023 ©

News from OHM and DRIIHM

Food and Manioc

- SASI : Jean Lubszynski's Master in progress

(Rapinski et al., 2022)

- Ploc : Lead poisoning on the Oyapock (ARS-Get IRD)

- Fieldwork in the Oyapock field in 2022
- Samples under analysis

- Manioc as a biocultural keystone species for the Parikwene people

(Rapinski et al., 2023 ; Parent et al., à paraître)



Review

Local Food Systems under Global Influence: The Case of Food, Health and Environment in Five Socio-Ecosystems

Michael Rapinski ^{1,*}, Richard Raymond ¹, Damien Davy ², Thora Herrmann ^{3,4,5}, Jean-Philippe Bedell ⁶, Abdou Ka ⁷, Guillaume Odonne ², Laine Chanteloup ⁸, Pascal Jean Lopez ⁹, Éric Foulquier ¹⁰, Eduardo Ferreira da Silva ¹¹, Nathalie El Deghel ⁶, Gilles Boëtsch ⁷, Véronique Coxam ¹², Fabienne Joliet ¹³, Anne-Marie Guihard-Costa ¹⁴, Laurence Tibère ¹⁵, Julie-Anne Nazare ¹⁶ and Priscilla Duboz ⁷

frontiers | Frontiers in Nutrition

TYPE Original Research
PUBLISHED: 12 May 2023
DOI: 10.3389/fnut.2023.1061611

Check for updates

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United States

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RECEIVED: 04 October 2022
ACCEPTED: 06 April 2023

Adaptations in the transformation
of cassava (*Manihot esculenta*
Crantz; Euphorbiaceae) for
consumption in the dietary
management of diabetes: the case
of Palikur, or Parikwene People,
from French Guiana

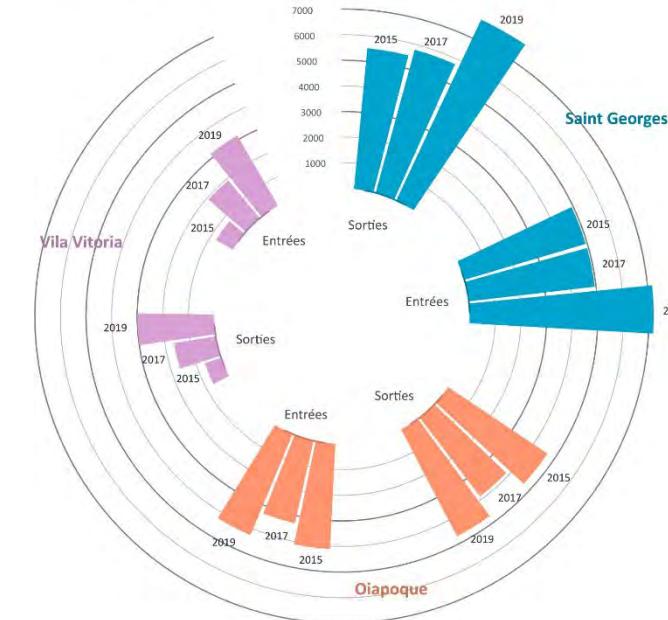
Michael Rapinski^{1,2*}, Alain Cuerrier¹ and Damien Davy²

News from OHM and DRIIHM

Of bridge and roads

- GeOyapock: Mobility database
 - Master d'Haminjo Razanamasy: counts 2023 (after 2015, 2017, 2019)
 - Border transport user surveys
- 5ème Conseil du fleuve Oyapock, le 26 mai 2023

Entrées et sorties des flux de pirogues en 2015, 2017 et 2019
des villes de Saint Georges, Oiapoque et Vila Vitoria



© Service de l'Etat en Guyane

News from OHM and DRIIHM

Mangle

- **OYAMANG:** Lower Oyapock mangrove mapping
(Proisy et al.)
- **EVOLUM:** Interohm between Littoral Caraïbe and Oyapock
 - Inès Slaouti in Saint-Georges de l'Oyapock: ESD and Mangroves with Joinville elementary school (CM1 and CM2) and Constant Chlore secondary school (6ème-4ème)
 - Representation of mangroves, intergenerational transmissions, introduction to scientific drawing
 - Then comparison with drawings by children in Guadeloupe (Chloé Roger)



12th annual OHM Oyapock seminar

June 13, 2023

Cayenne



12^{ème} Séminaire de restitution des recherches 2021-2023 Observatoire Hommes/Milieux « Oyapock »

Amphi C, Université de Guyane, Cayenne, 13 juin 2023, 9h

9h00 : *Allocution de bienvenue*, Damien DAVY, Directeur de l'OHM Oyapock

9h10 : « *SASI : Système alimentaire sous influence, Alimentation, santé et environnement dans les OHMs* » Michel RAPINSKI, Labex DRIIHM, MNHN

9h30 : « *Perceptions et représentations de la bonne alimentation et de la bonne santé à Saint-Georges de l'Oyapock* » Jean LUBSZYNSKI, LEEISA/OHM Oyapock, CNRS

9h50 : « *Entre alimentation, tradition et transition : une ethnographie chez les Parikwene en Guyane française* », Andrée Anne PARENT & Alain CUERRIER, Université de Montréal

10h10 : « *Plombémie et Manioc sur l'Oyapock : premiers résultats* », Loïc MARTIN & Laurence MAURICE, GET, IRD

10h30-10h50 : Discussion

10h50-11h : Pause café

11h : « *Stratégies familiales et distinction sociale : l'étude des cas des écoliers et collégiens brésiliens des écoles de Saint-Georges* », Silvia Lopes da Silva MACEDO, Université de Paris-Est, Créteil

11h20 : “ *GéOyapock : Mobilités entre les deux rives* ”, Haminjo RAZANAMASY, PASSAGES/OHM Oyapock, CNRS

11h40 : « *A gestão das águas transfronterizas do rio Oiapoque : Diretrizes, procedimentos e ações* » Jéssica Mayara LIMA RAMIREZ & Gutemberg de VILHENA SILVA, UNIFAP, Brésil

12h00-12h20 : Discussion

12h30- 14h00 : Buffet (offert par l'OHM)

14h00: « *Suivi de l'évolution du Benzène à l'Oyapock et prévention des impacts sur la santé des populations* », Marielaine GOBINDDASS, EspaceDev, Université de Guyane

News from OHMi Patagonia – Bahía Exploradores

Alejandro Salazar¹, Didier Galop², Sabina Lemunao ¹, José González¹



¹Pontifical Catholic University of Chile,
Santiago, Chile. OHM i /EPII UC

² Université de Toulouse, Toulouse,
France. GEODE UMR 5602 CNRS. OHM i
/Pyrénées, INEE-CNRS. Labex DRIIHM,

News from OHM and DRIIHM

Projects

Projects awarded and applied for between 2022 and 2023

FIC Project. "Resilience, sustainability and valorization of the LSR-G Biosphere Reserve".
CIEP



ANID Project, International Linkage. "International network of scientific tourism and participatory monitoring of climate change in southern watersheds". CIEP.



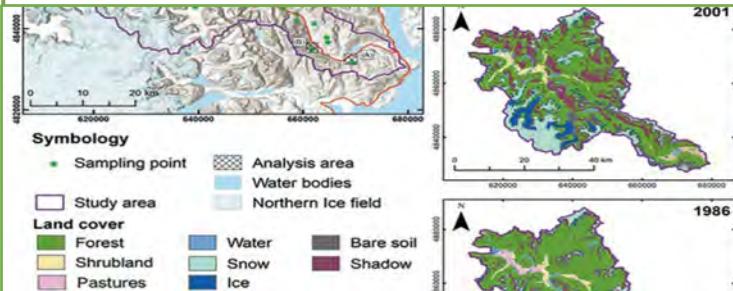
ANID Research Ring Contest Application. "Western Andean Patagonia: a Window to Climate Change Resilience from a Transdisciplinary and Gender Perspective".



News from OHM and DRIIHM

Scientific Publications in the last 2 years

Human-Environmental Interactions and Their Impacts on Temperate Forests in the Exploradores Valley in Western Patagonia. (2023). In *Socio-Environmental Research in Latin America* (pp. 159-190). Springer, Cham.



Salazar, A., Olea, J., Alfaro, F., Qüense, J., Galop, D., Flores, F.

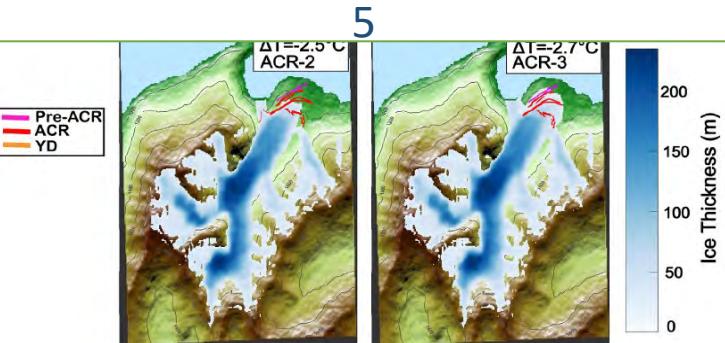
Western Patagonia: From frontiers of exploration to the commodification of nature. (2022). In *Tourism and Conservation-based Development in the Periphery - Lessons from Patagonia for a Rapidly Changing World*. Serie Natural and Social Sciences of Patagonia. Ed. Springer.



Salazar, A., Matus, C. & Olea, J.

Late glacial climate evolution in the Patagonian Andes (44-47°S) from alpine glacier modelling. (2023). *Quaternary Science Reviews*; 305: 108035.

doi:10.1016/j.quascirev.2023.108035



Muir, R., Eaves, S., Vargo, L., Anderson, B., Mackintosh, A., Sagredo, E. & Soteres, R.

News from OHM and DRIIHM

News from OHMi Téssékéré

Priscilla Duboz^{1*}, Papa Ibnou Ndiaye^{1,2}



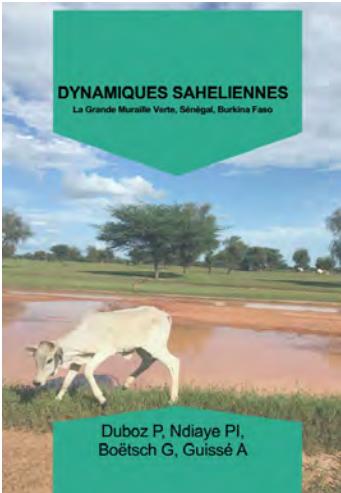
¹IRL 3189 ESS, Faculté de médecine, Université Cheikh Anta Diop, Dakar, Sénégal

²Département de Biologie Animale, Université Cheikh Anta Diop, Dakar, Sénégal

News from OHM and DRIIHM

Sahelian dynamics project

- Sahelian dynamics conference, UCAD Dakar
 - 12 research projects for 3 years
 - 50 participants
 - Ecology, anthropology, legal sciences, zoology, géography...
 - A book to come





Colloque Dynamiques sahéliennes

15-16 mars 2023
Université Cheikh Anta Diop, Dakar

IRN Sciences and Great Green Wall

- Launch of the IRN : Widou Thiengoly

- 7 sahelian countries (National GGW agencies, pan-african agency, national research structures)
- 32 participants
- Elaboration of interdisciplinary, inter-institutionnal, international research projects
- Report available on the OHMi Téssékéré website



Systèmes Alimentaires Sous Influences

- 2nd year

- 1st study phase in progress
(environment-health-food relationships)
=> quantitative and qualitative data
- 2nd study phase started (contamination)
=> sample collections
- Next meeting : june 8th in Strasbourg =>
2nd article



GGW and environmental sahelian imaginaries

- Project : Senegal-Burkina Faso-Ethiopia-France-Great Britain-Germany

- Launch march 2023 Widou Thiengoly
- 31/05 : African futures



- Research area « past/present/futur » : october 2023



OHMi Téssékéré

- September 18th-20th 2023 : La Rochelle

L'université d'été de l'observatoire hommes-m世es internationaux Téssékéré (CNRS / UCAD-Dakar) est organisée par l'institut Balanès, en partenariat avec le CNRS, l'université Cheikh Anta Diop de Dakar (UCAD), l'université de La Rochelle, l'université Gaston Berger (Saint-Louis du Sénégal), le réseau de recherche régional néo-aquatique Biosena, l'IRESS 3189, la ville et l'agglomération de La Rochelle, la Région Nouvelle-Aquitaine, du 18 au 20 septembre 2023.

L'université d'été est ouverte à tous les publics, gratuitement, en présentiel et/ou distanciel.
Informations / inscription
asso.balanites@gmail.com

Comité d'organisation :
Gilles Boëtsch (DREM CNRS, Paris),
Didier Moreau (Délegué général, institut Balanès), Pascale Garcia (Professeure d'université, La Rochelle université coordinatrice de Biosena), Aliou Guissé (Professeur, UCAD-Dakar, directeur de l'IIRN Science et Grande Muraille verte),
Priscilla Duboz (codirectrice de l'OHMi Téssékéré, IR CNRS, Dakar), Papa Ibraou Ndiane (codirecteur de l'OHMi Téssékéré), Lamine Gueye (directeur IRLESS (Dakar), Catherine Colombeau (Institut Balanès).



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UNIVERSITÉ D'ÉTÉ DE L'OHMI TÉSSÉKÉRÉ LA ROCHELLE / 18-20 SEPTEMBRE 2023

GRANDE MURAILLE VERTE,
INDICATEURS BIOLOGIQUES, ÉNERGIES
ET ÉCOLOGIE DE LA SANTE



un événement en partenariat avec

Le Monde



Lundi 18 septembre

9h30 accueil
10h cérémonie d'ouverture animation et présentation Fascale Garcia, La Rochelle université, Gilles Boëtsch, DREM CNRS, President de l'institut Balanès, Lamine Gueye, Directeur de l'IRESS, Dakar Jean-Marc Ogier, Président de La Rochelle université, Antoine Petit, PDG du CNRS puis accueil Jean-François Fountaine, Maire et Président de l'agglomération de La Rochelle, Alain Rousset, Président du CR Nouvelle-Aquitaine et/ou Gérard Blanchard, VP CR Nouvelle-Aquitaine, autres élus (en cours)
10h45 pause café
11h - Gora Diop et Priscilla Duboz, Etat des lieux de la GMV au Sénégal en 2023

11h30 Table-ronde Grande Muraille verte et COP28 (visio prévue)
Gilles Boëtsch, DREM CNRS, Paris, Aliou Guissé, PU, Dakar, Priscilla Duboz, IR CNRS, codirectrice OHMi Téssékéré, Dakar, Papa Ibraou Ndiane, codirecteur OHMi Téssékéré, Dakar, Roger Zerbo, DR, ISSS, CNRS, Ouagadougou, Idrissa Andoua, PU, IESS Jämama, Tohad, Gora Diop et Papa Sarr, colonels, directeurs techniques de la GMV, Dakar, Adama Doukour, GMV Burkina Faso, Ramatou Sidiou, CNRS-Niamey, responsables agences nationales (Niger, Sénégal, Mali...)

12h30 Aliou Guissé, IIRN « Sciences et GMV »
12h45 Sidi Mohamed Seck, PU, université Gaston Berger, St Louis du Sénégal, Le jardin de la biodiversité sahélienne
13h Babacar Faye, PU, UCAD-Dakar, Le CEA/AGIR
13h15 déjeuner à l'Endan
14h30 Session Biodiversité et GMV
Indicateurs biologiques du changement climatique :
Animée par Pascale Garcia, PU, LIENSs, La Rochelle université, coordinatrice de Biosena
- X1 Papa Ibraou Ndiane, Impact du projet GMV sur la diversité faunistique
- X2 Eric Pante, CR CNRS, université de Bretagne, Nouveaux indicateurs de la biodiversité
- X3 Laura Julliard, doctorante, IRL ESS 3189 (Dakar), Mémoire de l'environnement au sein de la GMV
16h pause
16h15 Session Durabilité animée par Enguerran Macia, DR CNRS, IRL ESS 3189, Dakar
- Y5 Abdou Ka, MA, U. Ziguinchor, Les jeunes et la GMV
- Y10 Enguerran Macia, Moustapha Basimbé Sagna, L'accélérateur de la GMV
- Y11, Marion Charbonneau, MCU, U. Pau, Changements de pratiques agricoles

17h30 réception à l'Hôtel de ville de La Rochelle

21h concert des frères Guisse, Hôtel de ville

Mardi 19 septembre

9h Session Bioéconomie géographique : eau et énergies
Animé par Christian Inard, VP Recherche La Rochelle université

9h10 Table-ronde Les enjeux des ressources en eau et énergie
Florence Habets, DR CNRS, laboratoire METIS, Montpellier, Alain Dupuy, PU, coordinateur du R3 Naiades, Bordeaux, Christophe Couranceau, DR CNRS, IC2M, Poitiers, Agathe Euzen, DR CNRS, INEE, Diétou Thiam, PU, UCAD, Sylvain Illigado, PU, Ouagadougou
10h10 Keynote Le dessous des cartes

10h15 pause café
10h30 - Y1 Virginie Duval Magnan, PU, La Rochelle université, Térra
- Y2 Luc Doyen, DR CNRS, université de Bordeaux, Bioéconomie pour l'occupation des sols, la biodiversité et les socio-écosystèmes terrestres
- Y3 Jean-Daniel Cesario, CR CIRAD, Térra
12h - Alexandre Godin, Andros, liens avec l'industrie
12h15 - Didier Moreau et Serge Raver, Point sur la démarche d'inscription de la GMV au patrimoine naturel de l'Unesco, préfiguration d'une Open university de la GMV
12h30 déjeuner (technoforum)

14h Session Politiques, migrations et changement climatique
Animée par Jean-Noël Ferri, DR CNRS, LAM Bordeaux
- Y4 Mohamed Taabri, MCU, U. Poitiers, R3 Acclimaterra, L'expérience de la barrière verte en Algérie
- Y5 Agnès Michelot, MCU, LIENSs, U. La Rochelle, Migrations climatiques
- Y6 Jérémie Allouche, IDS Brighton, Political Ecology
- Y7 Jean-Noël Ferri, Politique et GMV (Sénégal et Mauritanie)

16h pause
16h15 Session Durabilité animée par Enguerran Macia, DR CNRS, IRL ESS 3189, Dakar
- Y9 Abdou Ka, MA, U. Ziguinchor, Les jeunes et la GMV
- Y10 Enguerran Macia, Moustapha Basimbé Sagna, L'accélérateur de la GMV
- Y11, Marion Charbonneau, MCU, U. Pau, Changements de pratiques agricoles

17h conférence de Marc-André Selassie, biologiste, professeur au Muséum national d'histoire naturelle de Paris, grand amphithéâtre de l'Aquarium

20h dîner

21h moment musical avec Groupe Sénégal Acoustic

Mercredi 20 septembre

9h Session Ecologie de la santé :
Animé par Martine Hossaert-Mc Key, DREM CNRS, Montpellier

9h10 Table-ronde One Health, Serge Morand, Lamine Gueye, Richard Daniellou, Denis Malvy, PU-FP, U. Bordeaux, Matthieu Giraudou, Sidi Mohamed Seck, Babacar Faye, Sylvain Illigado

10h15 pause café
10h30 - Z1 Desiré Diatta, post-doctorant, Dakar, Cosmétique et santé dans le Félo
- Z2 Michel Rapinski, post-doctorant, MHNH, Socio-écosystèmes, alimentation, santé (Sénégal, Guyane, Guadeloupe, Portugal et Canada)
- Z3 Sabrina Gabia, DR INRAE, CEBC, Agroécologie et santé
12h buffet à l'université (technoforum)

13h30 Muséum d'histoire naturelle : table-ronde sur les collections naturalistes : sous le patronage de Catherine Brinchicq, secrétaire perpétuelle émérite de l'Académie des sciences, animée par Elise Faïolle-Edoumba, directrice du muséum d'histoire naturelle de La Rochelle, avec Amazou Bécal-Bal, Gilles Boëtsch, Aliou Guissé, Doyle McKey, FUE, U. Montpellier, Serge Morand, DR CNRS, Mvègèc, Montpellier, Ibraou Ndiane, Eric Famic, Freddie-Jeanne Richard, MCU, U. Poitiers, Sidi Mohamed Seck, Idrissa Andoua, PU, IESS Jämama, Tohad, Moustapha Basimbé Sagna, L'accélérateur de la GMV
13h30 Visite des collections permanentes du muséum



Expositions La Grande Muraille verte et les sciences (Espace Mèdes France) : Hôtel de ville et Vive au cœur de la Grande Muraille verte (Institut Balanès) : Maison des étudiants, La Rochelle université Projections des films dédiés à la GMV (CNRS et Karine Oribi) dans les médiathèques partenaires Animations sur le stress hydrique sur les plantes (École de l'ADN)

News from OHM Rhône Valley

Carole Barthélémy¹, Fanny Arnaud², Brice Mourier³, Bertrand Morandi⁴

¹LPED, Marseille, France

²EVS, Lyon, France

³ENTPE, Lyon, France

⁴GRAIE, Lyon, France



News from OHM and DRIIHM

A new management for the OHM

Management board : Brice Mourier, deputy director / Fanny Arnaud / Bertrand Morandi

Scientific council : Rhôneco, ecological restoration / Rhône Sediment Observatory / SEEGMA Crépieux-Charmy

Seminar 2022 - Marseille & Arles

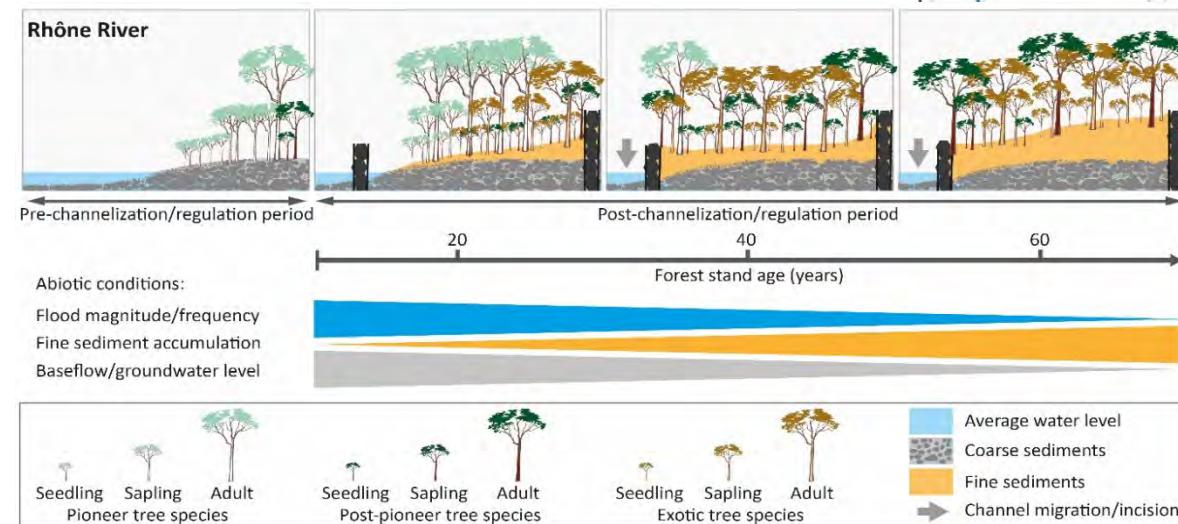
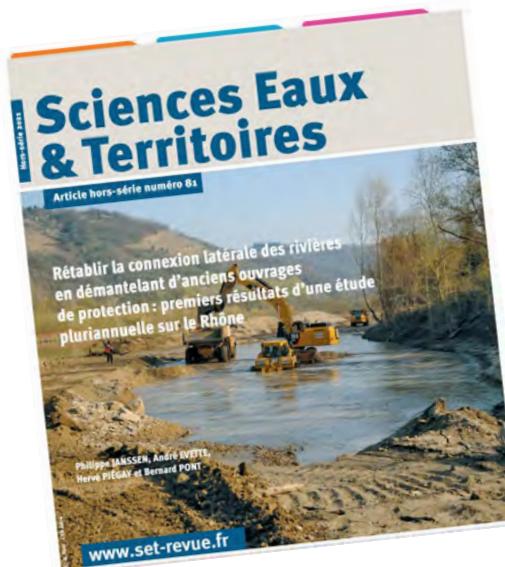
Seminar 2023 and Publication of the book Rhône - November /December 2023

Future evaluation OHM : 2024

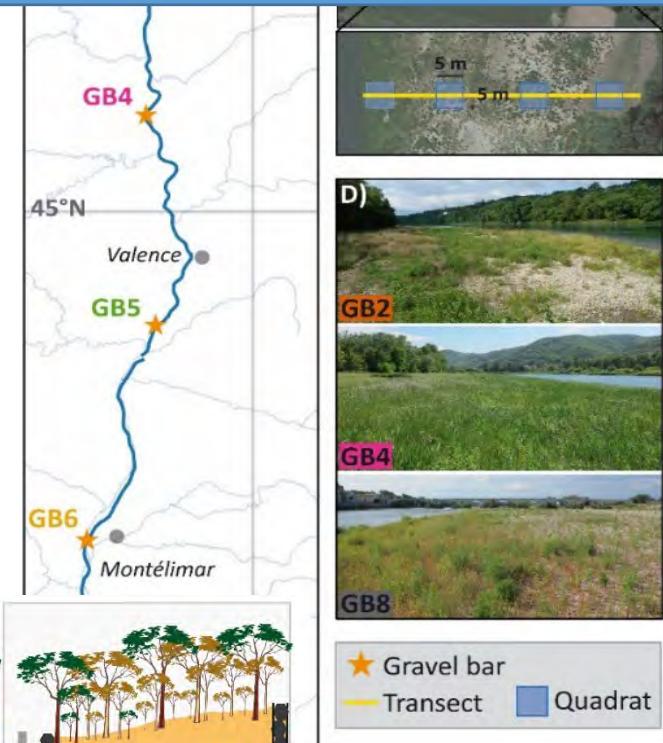
Rhône Restoration : Reactivation of alluvial margins and monitoring of vegetation processes

Remove groyne fields to widen the riverbed, manage flood risk and improve ecological conditions

- Important national and international publications (Ecohydrology, STOTEN, JEMA, Sciences Eaux & Territoires) (> OHM VR Hal Collection)
- Support of Plan Rhône Partners to continue a long-term research (integrated in RhônEco program)



Post-doc Rhône Valley OHM, 2017
Riparian ecological successions and
Rhône River restoration



P. Janssen

Exchanges between planners and scientists...and between scientists

Hydroelectric dam project - Saint-Romain de Jalionas Called Rhônergia

- 37MW for 60 000 inhabitants
- 2023 : studies and concertation
- 2024 : decision / construction for 2033

Meeting OHM between scientists

