

# GROUP 1

## Topic 1

**Organic matter **production**.**  
**Environmental constraints and biological  
optimizations**



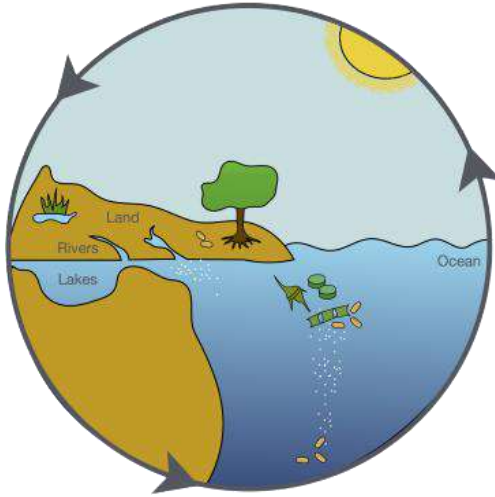


## GABRIEL BITTENCOURT FARIAS

I am a Brazilian biologist with a bachelor in Biological Sciences and a Master in Oceanography. Since my graduation I studied planktology working with zooplankton and phytoplankton diversity, biomass and productivity in the tropical south Atlantic.



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SUMMER COLLOQUIA



## RESEARCH



1. Currently in a PhD on Oceanography at the Federal University of Pernambuco (Brazil). The main goals of my PhD research project are study the dynamics of planktonic communities (Phytoplankton and Bacterioplankton) in the tropical south Atlantic.
2. The participation in the VII Ramon Margalef Colloquia will contribute to deepen my plankton, biological and general carbon cycle knowledge.

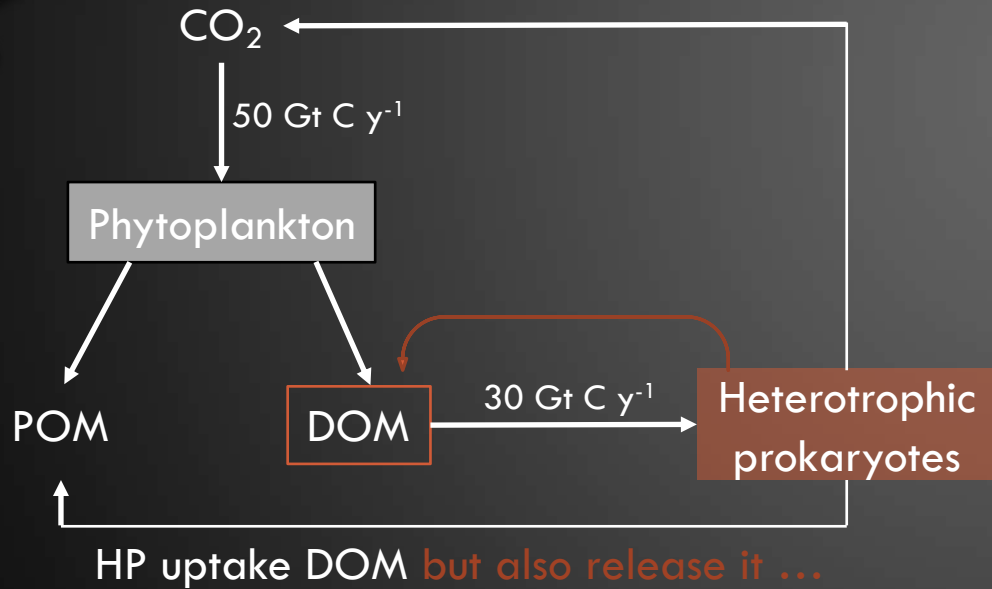
## BOUCHACHI Nawal



- Algerian, doing my PhD in France
- Passionate about Marine sciences
- Travel lover
- Determined and adventurous
- Loves to learn new things



## My research



- DOM release by Heterotrophic prokaryotes - microbial carbon pump
- DOM quality and quantity - P limitation
- Experimental work - *in situ* monitoring

## My expectations

- Exchange and learn with students and researchers
- Place my work in a broader context



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# Michaela de Melo “Mika”

- ❖ Waterfalls
- ❖ Hiking
- ❖ Cooking
- ❖ Macrame
- ❖ Plants
- ❖ My cat Chatou



michaelaldemelo@gmail.com



# Research

- ✓ PhD with Microbial Ecology and DOM Amazon
- ✓ Postdoc at UQAM, CarBBAS Lab – Prof. Paul del Giorgio
- ✓ Biogeochemistry of rivers: metabolism, emissions, export, DOM, Microbial Ecology



# Interests

- ✓ Research interests
- ✓ Discussion, learning and exchange
- ✓ Interaction and collaboration with early careers



## AFONSO FERREIRA

- 28 years old
- Madeira Is., Portugal → Lisbon (currently)
- Marine biologist
- Travelling and nature walks
- Dreams? Good question!
- Picture? When work, travelling and nature aligns.





## MY RESEARCH

- Marine Phytoplankton Ecology | Ocean Colour Remote Sensing
- PhD student at the University of Lisbon (MARE – Marine and Environmental Sciences Centre) → Phytoplankton response to climate change in the Northeast Atlantic and the Southern Ocean (broad theme)
- Next: Finish the PhD and continue in academia (hopefully still within remote sensing and phytoplankton)

## EXPECTATIONS FOR THE COLLOQUIUM

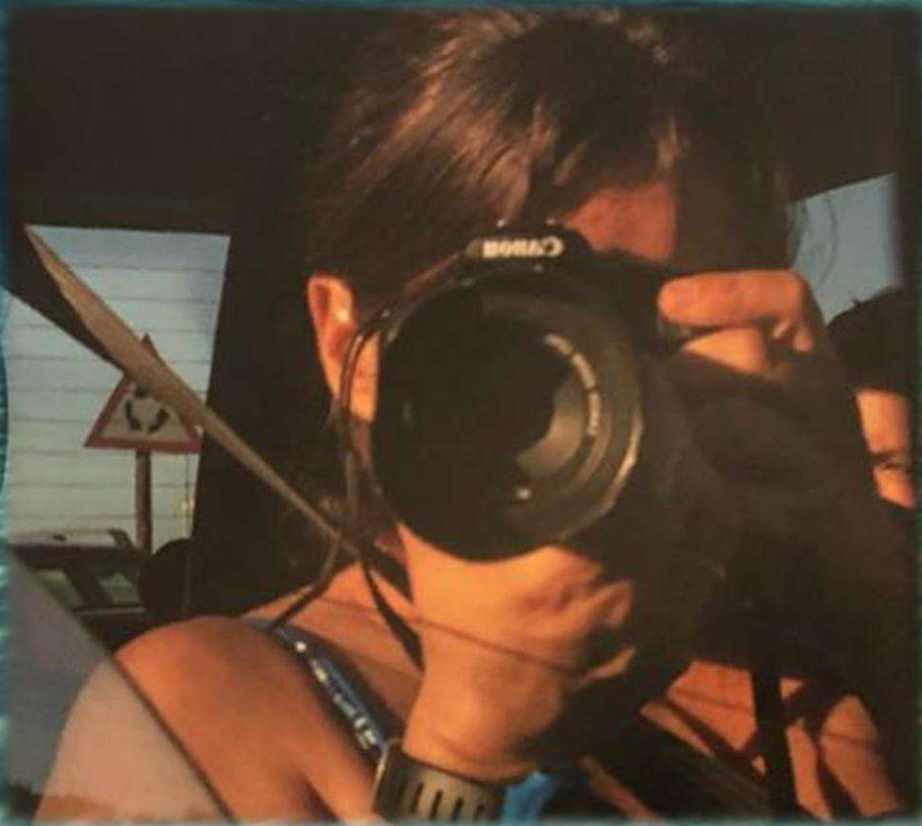
- Very curious about the more discussion-focused format (looking forward!)
- Overall, I hope it becomes a key part of my PhD experience: all the interaction/discussion fills a void left by the pandemic in current PhD students.

# LUCIANA/FRAZÃO/LU

- **Biologist, Master and Ph.D. in progress in Oceanography in University of São Paulo, Brazil. Over 18 years of experience in environmental and ocean sciences, acting on marine environmental studies and impact assessment for environmental licenses, focused in plankton and marine pollution.**

- **I love the sea and all its life forms, nature photography and trips to wild places.**

- **My dreams: Develop research in Antarctica, clean the oceans, better know the African continent, and leave a better world for my children and next generations.**





**My research has focus on marine microbial plankton, its role on carbon flows in ocean basins and the exchange CO<sub>2</sub> between the atmosphere and the ocean. Due to the pandemic, significant changes were made to my original research. Therefore I am in the project adjustment phase and next steps depend on it.**



**Expectations: significantly improve my knowledge on global carbon flow, use this knowledge on the development of my research and on promoting actions directed to Decade of Ocean Sciences, on my country.**



# Xabier López Alforja

Researcher in Marine Sciences, specialized in Marine Microbial Ecology, Bioinformatics and Biostatistics. I am passionate about everything that surrounds the sea and science, both in the field and laboratory.



@XabierLpez2



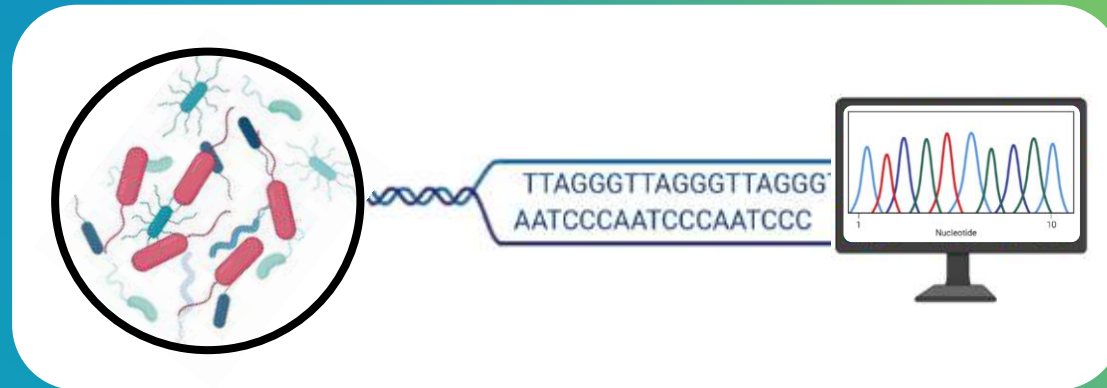
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Currently starting a PhD within the Marine Microbial Ecology group (ICM-CSIC, Barcelona). My goal is to grow in the field of metagenomics and metaviromics to investigate the relationship between viruses and marine protists.



## WHY?

Multidisciplinarity is the key for an overall understanding of marine ecosystems and processes. This colloquium could give me the opportunity to broaden my horizons and develop new skills.



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# Inès Mangolte



Picture of the Amazonian rainforest (july 2019)

Grew up in New Caledonia,  
higher education in Paris

Very worried about the climate,  
biodiversity, etc. crises

Love books (history, fantasy),  
horses, and chocolate





Institut  
**Pierre  
Simon  
Laplace**



SCRIPPS INSTITUTION OF  
OCEANOGRAPHY

1 year left in my PhD (supervised by Marina Lévy)

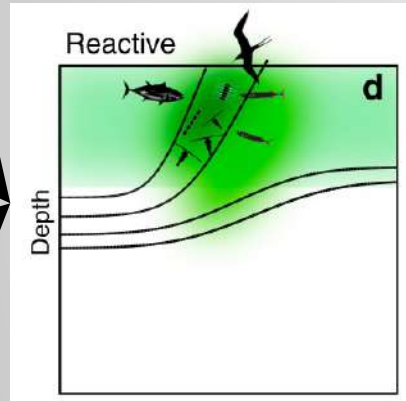
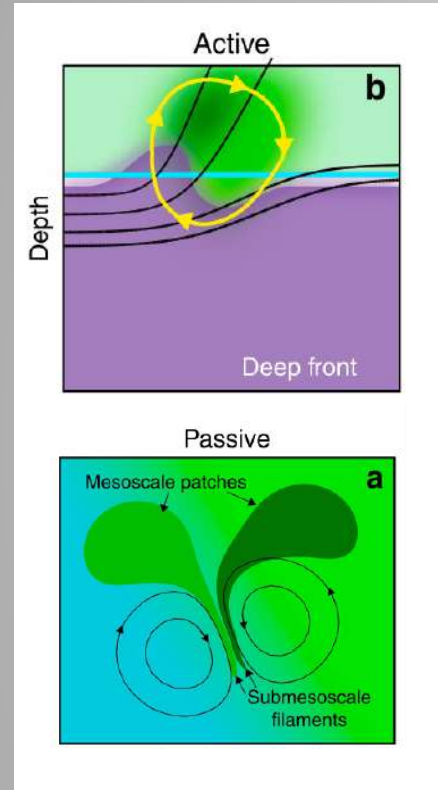
## Plankton ecology in frontal regions

Interdisciplinary + multiple approaches (complex modelling, simple modelling, in-situ data)

Hope to work in conservation science after

Improve my knowledge on ecology

Interact with people who work on similar topics



# Amavi Silva



- Sri Lankan
- Writer/Traveller
- Enthusiast in science communication

# Research:

- Investigating gas exchange dynamics of  $\text{CO}_2$  &  $\text{O}_2$  in the global ocean
- PhD candidate (2<sup>nd</sup> year)
- PhD → Postdoc → Science communication in SL

## Why RMSC 2021?

- Integrated platform
- Kindred souls!

