

Division of Marine Sciences

With a firm foundation of knowledge in the basic sciences, students will acquire specialized knowledge and academic ability through education and research aimed at solving various issues in the fields of the environment, disasters, resources, and energy related to the earth and oceans, and at realizing a sustainable society.

Education and Research Area

- Earth Environmental Sciences
- Environmental and Energy Sciences
- Mathematical and Physical Sciences

Courses at Master's Degree Program (: Courses in English)

- Comparative Planetary Sciencet
- Marine Geochemistry
- Applied Meteorology
- Marine Biology
- SABO: Sediment Hazard & Disaster Prevention
- Applied Oceanography
- Atmospheric Environment Science
- Aquatic Environmental Science
- Functional Materials Science
- Radiation Science and Applications
- Cryogenic Science
- Quantum Beam Science
- Applications of Nuclear Reactions
- Applied Analytical Chemistry
- Hydrogen Energy Science
- Basic Mathematical Science
- Computational Science
- Thermal Physics for Maritime Sciences
- Phenomenological Mathematical Science
- Mathematical Science of Shapes
- Applied Physics
- Statistical Analysis
- Applied Mechanics for Maritime Sciences
- Regional Environmental Science
- Ocean Environment and Climate Studies
- Ocean Exploration Technology
- General Study of Ocean Floor Material
- General Study of Ocean Floor Physics
- General Legal Study of Marine Resources

Message from International Student



*Mélody N. C.
Dumont*

Université Paris Cité



1. Why did you choose the Graduate School of Maritime Sciences, Kobe University?

I choose Kobe University for my cotutelle because of its relationships and agreements with my French University. It was the occasion to strengthen the links between those two institutions and to create new exchanges in my field, in geography.

Moreover, I had the opportunity to be guided by the Professor Christopher Gomez during my master degree and his expertise was extremely helpful. I wanted to continue to work with him during my PhD and be my co-director.

2. How do you feel after enrolling at Kobe University?

I feel lucky enrolling at Kobe University! The staff is always very helpful, reactive, and kind, when I am in Japan or even in France. The University offers several advantages to its student. For example, its documentary resources are very extensive, and it is a pleasure to visit its libraries. Kobe University campuses are also very pleasant!

3. Please explain briefly what your research is.

My research focuses on the evolution of fluvial hydrosystem management in Japan since the Meiji era. As you know, Japan is prone to natural hazards and the archipelago has developed several tools to protect its territory. The actual methods of post-disaster reconstruction, which are mainly based on engineering, come from a complex history influenced by environmental, but also political, economic and social factors. All these factors have influenced the way Japan copes with natural disasters.

Through the case of Northern Kyushu's disaster, which happened in July 2017, I analyse the actual post-disaster reconstruction choices and the role of each actor involved in this process. The study of constructed facilities or newly spaces for citizens permit to understand the political, economic, and social visions actors apply to the territory they reconstruct. It is also the opportunity to analyse the perception of inhabitants: how they receive, interpret, and take ownership of these visions. Thus, the study of post-disaster reconstruction policies is a way to understand Japanese society.

4. Do you have opportunities for cultural exchange?

I do have opportunity for cultural exchange, especially in my laboratory. I have the chance to share my laboratory with Japanese students and it is a real pleasure to interact with them. Living in the dormitory of Kobe University also helps to meet new people.

5. What are your plans after graduation?

I plan to continue to work in research and teaching after my graduation. My first plan would be to have a job in Japan to continue my research in Geography.

6. What was your biggest culture shock after coming to Japan?

When I first came in Japan few years ago, I was pleasantly surprised of how Japanese people behave in public transport, waiting in line to enter in the bus or the train!

7. What are the appeal points of the Graduate School of Maritime Sciences for you?

It is fascinating to have the opportunity to work with researchers from different backgrounds. During my years in Université Paris Cité, I explored physical and human geography. Being in the Graduate school of Maritimes Sciences is an occasion to explore new fields, and it is very stimulating.

In addition, the Graduate School of Maritime Sciences offers a great work environment to its students. When I am in Japan, I am very happy to participate to the life of my laboratory and exchange with teachers and students.

8. Please give a message or advice to anyone who wishes to study abroad.

Studying abroad is a real opportunity for your professional, but also personal life. It is the occasion to meet new people, learn about culture, and open yourself to new way of thinking. So, if you decide to go abroad, be open-minded and curious and it will help you to live exciting adventures.

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