

Course Title: CRAFTING GOOD COMMUNICATION SKILLS: TALKS & POSTERS

Modality: CFT- Transversal Training Course

Orientation:

- ✓ Ocean Observation and Global Change
- ✓ Sustainable use of Marine Resources
- ✓ Integral Management of the Sea
- ✓ Technological progress. Engineering and Business Management

Dates: From May 31 to June 25

Timetable and duration:

In-person lectures: 2h, May 31 and June 25, 10:00 to 11:00 CET

On-line platform: 38h

Location:

CampusRemoto U. Vigo online room

Language:

English

Academic coordinators:

Name	Institution	e-mail
María Aranguren-Gassis	University of Vigo	aranguren@uvigo.es

Lecturers:

Name	Institution	e-mail
María Aranguren-Gassis	University of Vigo	aranguren@uvigo.es
Ana Fernández Carrera	Leibniz-Institute of Baltic Sea Research	ana.carrera@io-warnemuende.de

General description:

This course aims to cover the essential topics about effective science communication in meetings and conferences. Students will learn the essentials for making clear catching talks and posters

Contents:

1. SCIENTIFIC STORYTELLING
2. POSTER PRESENTATIONS
 - a. What is a poster?
 - b. Clear and meaningful figures
 - c. Synthetic text: How to tell more with less words
 - d. Lay-out

3. ORAL PRESENTATIONS

- a. Talk design
- b. Slides design
- c. Public speaking tips
- d. Final summary

COMPLEMENTARY INFORMATION

WEBINAR SERIES: this year, the students will have the opportunity to attend three webinars from external professionals covering the following topics that complement the course content:

- Wednesday, June 9th, 10:00h CET; Dr. Stacey McCormack (Visual Knowledge company):

INFOGRAPHICS

- Monday, June 14th, 10:00h CET; Dr. Miguel Leal (Science Crunchers company): COMMUNICATING SCIENCE OUTSIDE THE ACADEMIA

- Friday, June 4th, 10:00h CET; Dr. Ken Masters: E-POSTERS

These webinars will be optional for the students but highly recommended.

Teaching methodologies:

There will be two NOT compulsory in-person lectures, which last 1 hour each:

- i) An introductory session at the beginning for describing the structure, and giving the general information of the course to the students.
- ii) A summary session at the end of the course for giving general comments on the student's assignments.

Both lectures will be at the videoconference room, but are not compulsory, as the course is entirely online, and all feedback will be given in the DoMar moodle platform. Because of that, students willing to take the in-person lectures should confirm their assistance at least one week in advance by email to the lecturers.

The course is on-line in the DoMar moodle platform. Theory in short videos, discussions, assignments and the evaluation will be done through the on-line platform. This way the students can distribute their study time at convenience. Practical tasks are compulsory and consist on designing a poster, give a 5-min talk and evaluate other students work for learning how to judge the work of other scientists.

Students will need an internet connection for watching lectures and uploading assignments, and a computer with a web cam for the on-line work.

Evaluation system:

Students will be evaluated according to their participation and completion of tasks. For passing the course, students should watch all the lectures (which is equivalent to assisting to the theory classes in a classroom), submit the compulsory assignments (a poster and a 5-min talk) as well as having a positive evaluation on them, and review their own assignments and those of two classmates.

Brief CV of the lecturers:

María Aranguren-Gassis is a researcher at the University of Vigo (Spain). She has a degree in Biology and earned a Ph.D. (2012) in Marine Ecology (University of Vigo, Spain). Her thesis work was about microbial plankton community production and respiration, mainly focused on the metabolic balance of the North Atlantic oligotrophic gyre. From the year 2014 to the year 2019 she was a

postdoctoral researcher funded by the Xunta de Galicia, first at the Kellogg Biological Station (Michigan State University, USA), and after that at the Biological Oceanographic Group (University of Vigo, Spain). Dr. Aranguren-Gassis current research is focused on phytoplankton adaptation to climate change. She has participated in 27 oral communications and posters in several international congresses and workshops during her career. She was awarded in 2009 the ASLO Outstanding student presentation award in Nize (France).

Ana Fernández-Carrera is postdoctoral researcher at the Leibniz-Institute of Baltic Sea Research Warnemünde (Germany). Dr. Fernández-Carrera has a degree in Marine Sciences, and earned a Ph.D. in Oceanography from the University of Vigo (Spain). Her dissertation was focused on the distribution and control factors of *Trichodesmium* and the microbial community nitrogen fixation rates in the tropical and subtropical Atlantic Ocean. Currently, Dr. Fernández-Carrera is working on the high spatial resolution of autotrophic plankton activity and diversity in the central Atlantic, and the nitrogen cycle in the Amazon River plume. She is an active reviewer of journal papers, student's poster showcases and applications for postdoc fellowships. To date, she has collaborated in 26 oral communications and posters in international scientific meetings and seminars.

Relevant references:

References and additional information will be provided during the course.