1. Cluster Communication Skills & Career Management

Public speaking for researchers

The participants learn to present their research in a clear and convincing way to a non-expert audience, and get more impact with your presentation. A non-expert audience can be a group of researchers from other disciplines, possible end users of your research, general public.

Learning objectives

− Understand the importance of non-expert communication
− Understand that a mind shift on the way we present our research is necessary
− Be able to turn a complex research topic into a clear and engaging, well-structured story
− Be able to adjust your presentation to a specific non-expert audience
− Be able to use your body and voice effectively to get your message through to the audience
− Be able to involve your audience and interact with them

Effective Slides

The participants learn how to make appealing slides and well-structured slideshows that make academic presentations more dynamic and the take-home message more memorable.

Learning objectives

− Be able to create slides to support and clarify your message
  − Edit your content to fit this visual medium
  − The right balance between text and images
− Colour scheme, titles, animations and figures to be used
− Proper slideshow structure

*This course will not offer an initiation to the use of PowerPoint or other programs, but gives insights into the practical implementation of the participants’ (basic) knowledge of the software they use.*

Academic Posters

The participants learn how to adapt and edit academic material to create a well-structured and appealing poster. Technical tips will be provided in a reference section.

Learning objectives

− Focus on important elements of an academic poster such as structure & order of information, appealing layout & title, adapted text & visuals.
− The participants can also bring one of their own posters to discuss its design and present the content to their colleagues. Tips will be shared on how to improve the poster and properly present it at conferences.

Scientific Writing

The participants learn to apply linguistic principles when writing papers and are introduced to advanced writing techniques to ensure clarity and cohesiveness.

Learning objectives

− Shaping complex sentences and enhancing flow
What should be included in the “Introduction” and “Conclusions”
- Correct citing of references
- Be able to communicate scientific results to other scientists

Proposal Writing
The participants obtain basic knowledge and capabilities for effectively translating their research ideas into research project proposals aiming at receiving public funding.

Learning objectives
- Be able to generate and put into words innovative ideas for a research project proposal
- Be able to express and focus their research ideas with an emphasis on novelty
  - Be able to write a good-quality research project proposal
- Understand the major parts of a research project proposal application, the reviewing procedure and the most common evaluation criteria

Didactic Basics
The participants obtain basic knowledge on academic teaching

Learning objectives
- Understand basic principles of learning and teaching
  Basic concepts, processes and methods of university didactics and academic instruction
  - Be able to formulate learning outcomes
  - Learn didactic methods to be able to design a course on their own
  - Learn how to plan and manage exams

2. Cluster Research Ethics & Integrity & Career Management

Ethics in Proposal Writing
Awareness in research ethics is increasingly expected of researchers in all disciplines.

Learning objectives
- Knowledge of ethic concepts and ethical positions
  - Be able to develop a critical understanding and reflect on values in case studies and conflicts in your discipline
  - Be able to generate ethical argumentation
  - Be able to communicate ethical issues in your research

Research Integrity
Code of Conduct for Research Integrity, research misconduct & prevention, good & bad research practices, plagiarism, dealing with data

Project Management
The participants learn about the full life cycle of a project, from the initiation (project proposal) until the hand-over of the project result (end report). They learn structural and methodological aspects of project management (the so called ‘hard skills’) and an introduction to the soft skills such as leadership, meeting skills or conflict handling.
Learning objectives

- Methodology
- Establish clear goals and milestones
- Project scheduling
- Be able to communicate more efficiently and transparently
  - Reflect more on collaboration and focus on teamwork
  - Be able to recognize risks and establish contingency plan