

Under the frame of the *Maria de Maeztu* programme, ICTA-UAB will be offering informative sessions, workshops & courses to develop and/or improve soft skills and specific skills.

Training activities are complementary to courses organized by the PhD programme in "Environmental Science & Technology" and to Massive Open Online Courses (MOOC) accessible with UAB credentials. Training will be held by internal and external instructors in presence at ICTA-UAB or online.



ICTA-UAB TRAINING ACTIVITIES

2023-2024

To guarantee the quality of the training and maximize interactions with trainers, places are limited for specific courses. Please, book in advance by filling in the enrollment form: <https://forms.office.com/e/LT9xpt79Dz>

Registration will be open until the **17th of September 2023.**

Priority and reserve lists will be prepared based on booking date and course requirements.

Those registered participants who fail to attend the course will be penalized by being denied access to future training.



INFORMATIVE SESSION

OPEN SCIENCE

Date:

27th September 2023

Class:

from 11:30 to 12:45 h

Recommended for:

all ICTA-UAB researchers

Participation:

unlimited

Language:

English

Mode:

in presence at ICTA-UAB
or online

TRAINER



Marta Jordan,

Suport a la Docència i la Recerca -
Servei de Biblioteques UAB

Marta works at the

"Biblioteca de Ciència i Tecnologia "
as Teaching and Research Support
manager.

She advises researchers in topics
related to open science, impact of the
scientific output, bibliometric indicators,
copyright in research and teaching, etc.

UAB

Universitat Autònoma de Barcelona

PROGRAM

This informative session is aimed at giving an overview of the **Open Science strategy**, recently released by the UAB, with a focus on Open Research Data and Scientific output in Open Access.

CONTENT

- Data Management Plan (DMP)
- FAIR principles
- CORA Research Data Repository
- Repositories for Research Data
- Scientific Publishing: Subscription-based, hybrid, Gold Open Access
- UAB Transformative agreements with main publishers
- Q&A

WORKSHOP

GOOD PRACTICE IN RESEARCH

Date:

3rd October 2023
(1 half-day session)

Class:

from 09:30 to 12:00 h

Recommended for:

PhD students will be given priority

Participation:

limited to 25 attendees

Language:

English

Mode:

in presence at ICTA-UAB
(room Z/023)

TRAINER



Dr. Victoria Reyes-García,
ICREA Research Profesor

Victoria is an anthropologist investigating local ecological knowledge systems, including their benefits, drivers of change, and contributions to conservation.

Her research draws on the insights from the natural and behavioural sciences at multiple levels- from the views of villagers in developing nations to those of policy-makers in industrial nations.

PROGRAM

This workshop will provide a general overview of good practices in research by presenting the UAB Code and Ethics committee as well as the European Regulation for the Protection of Personal Data.

CONTENT

- Good practice in research
- Ethics at UAB: Code of Good Practice in Research, functioning of the Ethics committee
- European Regulation for the Protection of Personal Data
- Q&A session: presentation and discussion of ethical issues related to participants' ongoing research projects

WORKSHOP

GENDER EQUITY and SOCIAL JUSTICE

Date:

9th and 11th October 2023
(3 h session per group)

Classes:

from 09:30 to 13:00 h
from 14:30 to 18:00 h

Recommended for:

all ICTA-UAB members

Participation:

limited to 20 attendees

Language:

English/Spanish

Mode:

in presence at ICTA-UAB
(room Z/023)

TRAINER



**Dr. Ana Elia Ramon Hidalgo,
co-founder and co-director of CEHDA**

**She is a trained facilitator focused on
community well-being
facilitation processes and a Net-Map
consultant employing social network
analysis for community engagement
to help groups work better together.**



PROGRAM

The goal of this workshop is to share theoretical concepts and practical tools with the ICTA-UAB community to raise awareness about equity, challenges, and structural exclusion in science/academia, as well as to integrate an intersectional gender perspective in the work of the research institute.

CONTENT

- Introduction
- Reflective and Analytical Dialogues
- A Reflection from within
- A Reflection from the outside looking in and from the inside looking out
- Working forward

WORKSHOP

SKILLS AND APPROACHES TOWARDS A CULTURE OF CARE

Date:

16th/18th/20th October and
7th November 2023
(3 h session per group)

Classes:

from 09:30 to 13:00 h OR
from 14:30 to 18:00 h

Recommended for:

all ICTA-UAB members

Participation:

limited to 20 attendees

Language:

English/Spanish

Mode:

in presence at ICTA-UAB
(room Z/023)

TRAINER



**Dr. Ana Elia Ramon Hidalgo,
co-founder and co-director of CEHDA**

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community well-being
facilitation processes and a Net-Map
consultant employing social network
analysis for community engagement
to help groups work better together.**



PROGRAM

NEW

The workshop on "Ethics of Care" will focus on building cohesion and a sense of belonging for ICTA-UAB members to thrive, interact and perform at their best. The workshop will emphasize the potential, the co-responsibility, as well as the practical implications of proceeding at work with a culture of care in mind.

CONTENT

- Introduction to a culture of care
- Practical exercises around tools toward a culture of care
- Reflection and practice about effective feedback in the academic setting
- Working forward

COURSE

INTERACTIVE DATA ANALYSIS & VISUALIZATION WITH R SHINY

Date:

from 23rd to 27th October 2023
(5 full-day sessions)

Classes:

from 9:30 to 17:30 h

Recommended for:

Researchers with basic R skills

Participation:

limited to 16 attendees

Language:

English

Mode:

in presence at ICTA-UAB
OR online

TRAINER



Dr. Ashton Drew,
instructor for Transmitting Science

Ashton is a landscape ecologist who develops spatially-explicit models and data collection strategies in support of adaptive management.

As lead Consultant and owner of KDV Decision Analysis LLC, Ashton also helps clients to improve the efficiency and effectiveness of decisions that depend on multifaceted and complex data.



PROGRAM

NEW

This course is for individuals willing to deliver their research by developing Shiny apps.

The goal is to teach the skills necessary to translate static products (analysis in R) to dynamic products via a simple web-based graphic-user interface

CONTENT

- Shiny for interactive and reactive data visualizations
- hands-on practice with sample ecological data
- building a portfolio of example code
- design, construction, and publication of example Shiny app.

COURSE

RESEARCH DESIGN

Date:

10th, 17th and 24th of November 2023
(3 half-day sessions)

Classes:

from 10:00 to 13:00 h

Recommended for:

PhD students will be given priority

Participation:

limited to 25 attendees

Language:

English

Mode:

in presence at ICTA-UAB
(room Z/023)

TRAINERS



Dr. Esteve Corbera,
ICREA Research
Professor

Esteve is a political ecologist building knowledge on the environmental and wellbeing outcomes of climate change and biodiversity conservation policies and producing scientific findings that inform global policies for sustainable land use.



Dr. Jordi Honey-Rosés,
Ramón y Cajal
Researcher

Jordi has worked on environmental policy, planning and management, with a particular focus on water resources, urban rivers and forests.

PROGRAM

This course develops core skills in research design, guides students through the logic of the research enterprise, and provides them with the analytical, methodological, technological tools necessary to conduct research.

CONTENT

- Introduction to Social Science Inquiry and Research Design
- Asking the right questions & designing research
- Deconstructing theory and literature reviews
- Case Study Approaches; Measurement, Reliability, Validity
- Preparation of research proposals & writing/submission of scientific articles

COURSE

STATISTICAL ANALYSES WITH R

Date:

22nd, 23rd, 24th, 29th, 30th of
January 2024
(5 half-day sessions)

Classes:

from 09:00 to 13:00 h

Recommended for:

Researchers with basic knowledge
of statistics and R

Participation:

limited to 16 attendees

Language:

English

Mode:

online

TRAINER



Dr. Antonio Canepa,
instructor for Transmitting Science

**Antonio is working as researcher at the
Department of Computer Engineering,
University of Burgos.**

**With a Msc in Global Change and
PhD in Ecology from the UB, he is
currently working on projects related to
the environment, human health and
citizen science, promoting open science
and training in data science.**



PROGRAM

NEW

The course will cover exploratory data analysis, univariate and multivariate statistical techniques and a final discussion on students' projects. Also, aspects of data structure and workspace management, as well as visualization techniques will be discussed.

CONTENT

- Module I: Programming in R and Rstudio
- Module II: Exploratory Data Analysis (EDA)
- Module III: Univariate Statistical Analysis (UniStat)
- Module IV: Multivariate Statistical Analysis (MultiStat)
- Final discussion

COURSE

SYSTEMATIC LITERATURE REVIEWS and RELATED METHODS

Date:

1st week of February 2024
(2 half-day sessions)

Classes:

from 10:00 to 13:30 h

Recommended for:

PhD students will be given priority

Participation:

limited to 25 attendees

Language:

English

Mode:

in presence at ICTA-UAB
(room Z/023)

TRAINER



**Dr. Sergio Villamayor-Tomas,
Ramón y Cajal Researcher**

Sergio is a political scientist, also affiliated with the Ostrom's Workshop and the Berlin Workshop in Institutional Analysis of Socio-Ecological Systems.

His research areas include community-based natural resource management and adaptation in rural contexts, and the interaction of social movements and commons management.

PROGRAM

This course will cover the basics of systematic reviews, with particular attention to social-environmental sciences topics. The course will include reading discussions, lecturing and hands-on learning exercises. The students will be encouraged to explore synergies across their topics and the possibility of a joint systematic literature or case study review.

CONTENT

- Motivation for systematic reviews
- Types of systematic reviews
- Approaches to systematic reviews
- Research examples (COMOVE project)
- Best practices
- In-class exercises
- Collective discussion