



THE VALUE OF SPATIAL DATA FOR DECISION-MAKING

1:30-4:30 PM(CET), 25th February, CEU Vienna Campus

The UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC) bridges the gap between science and policy, by providing data and indicators that can be used for national decision-making, as well as for multilateral environmental agreements, such as the Convention on Biological Diversity (<https://www.unep-wcmc.org/>). The Ocean+ and Protected Planet initiatives are two flagship projects collecting authoritative global data on marine biodiversity and protected areas, respectively, and host data that is officially used to measure progress towards the Sustainable Development Goals and Post-2020 Biodiversity targets.



This session will introduce these initiatives, and include a practical exercise to explore the usage of the data tools. Attending students who wish to participate in the practical exercise should have some familiarity with GIS.

RSVP at <https://events.ceu.edu/2022-02-25/geohub-workshop-value-spatial-data-decision-making>

SPEAKER

Sara Pruckner - Data Scientist, Digital Transformation Programme



Sara leads UNEP-WCMC's Ocean+ initiative, using her technical skillset to gather, analyse and disseminate marine biodiversity data in new ways. She is also carrying out spatial and non-spatial data analyses for a variety of other projects, such as the Protected Planet Initiative, the AFRIMED project, and the Oil for Development project, all focussing on the restoration, conservation, and sustainable management of ecosystems.

Before joining UNEP-WCMC, Sara worked for the European Environment Agency on using Copernicus data for landscape degradation indicators. She has a Master in Environmental Science, Policy and Management (MESPOM) from Central European University.

Founded by Central European University, American University of Central Asia, and Bard College, **GeoHub** is an open platform project developing the capacity of OSUN members for using the latest geospatial methods and technologies in their core research and teaching disciplines. GeoHub offers students and researchers online and onsite geospatial courses, training workshops, internships, and professional certificate programs, focusing on practical, real-world challenges and potential solutions in academic research and public service

TENTATIVE SCHEDULE

3-hour total webinar/course, with a break in between.

Time (UK)	Topic
13:30-13:40	Welcome and introduction to UNEP-WCMC
13:40-13:50	Ocean+: Context setting (10 minutes) <ul style="list-style-type: none"> • The importance of spatial data for decision-making • Links with international policy and processes • Overview of marine biodiversity data, platforms and indicators
13:50 – 14:05	Demonstration of Ocean+ products (15 minutes) <ul style="list-style-type: none"> • <i>Ocean Data Viewer</i> and <i>Ocean+ Habitats</i> • Case studies and applications
14:05 – 14:15	Introduction to Protected Planet (10 minutes) <ul style="list-style-type: none"> • Protected area data, types of PAs • Challenges in the data collecting process • Indicators, policies, etc
14:15 – 14:30	Demonstration of product (15 minutes) <ul style="list-style-type: none"> • WDPA and WD-OECM data • Case studies and applications
14:30 – 14:45	Discussion & Q&A (15 minutes)
Until 15:00	Break (15 minutes) – option to leave for those without GIS experience.
15:00-15:10	Introduction to exercise (5 minutes)
15:10 – 16:00	Individual exercise: Downloading & using data (50 minutes) <p>Pick a country you are interested in and download the spatial data for that country from both Protected Planet and Ocean+ Habitats. Before downloading Ocean+ Habitat data, check whether your country of interest has habitat data available, select and download data for one habitat.</p> <p>Working in ArcGIS and looking at statistics provided via the web platforms, try to answer questions of interest for your country – e.g. the following examples:</p> <ul style="list-style-type: none"> • How many protected areas are there in your country of choice? • Does your country meet the Aichi target 11 (17% protection of land, 10% of marine), or even the new 30 by 30 targets? • How do they differ in size, type (designation), governance type, IUCN Category? • How many are terrestrial vs coastal and marine? • How complete is this data, both in terms of the attribute table, as well as spatial coverage of the area? • How much of your habitat is within protected areas? • Are there gaps where new protected areas could be established to protect more of the habitat of interest? • How many different habitat-building species are present? <p>Create one map to share with the others at the end of the exercise.</p>
16:00 – 16:20	Report back from exercise (20 minutes) <p>Every student should show one map that they created using the data, and an interesting question they can answer with this data.</p>
16:20 – 16:30	Closing remarks (10 minutes)