

Zagreb
23 - 25 May 2022

**5th Natura 2000 monitoring workshop
and
Natura 2000 Biogeographical Process network event:**

**Effects of observer variation on field monitoring data and integrating
new technologies for monitoring in Natura 2000 site management**

PROGRAMME



For more information and updates,
please visit the Eurosites website:
www.eurosites.org



Programme

Monday 23 May

Practical information

Participants travel to Zagreb, Croatia and meet at the venue:

Hotel Dubrovnik
Ljudevita Gaja 1
PP 246
10000 Zagreb
Croatia

- 14:00 Registration
- 15:00 Opening & welcome
Aljoša Duplić, Institute for Environment and Nature, Ministry of Economy and Sustainable Development
Harm Schoten, Eurosites - the European Land Conservation Network
Hrvoje Peternel, Geonatura Ltd
- 15:20 Natura 2000 Biogeographical Process
Theo van der Sluis, Wageningen Environmental Research WUR & Luna Milatović, CEEweb for Biodiversity
- 16:00 EU Grassland Watch: monitoring grasslands in Natura 2000 sites with Copernicus data
Bruno Combal, European Commission
- 16:20 Coffee break
- 16:35 Introduction to the workshop programme: the impact of observer variation on monitoring projects
Clive Hurford, Chairman of the Eurosites Remote Sensing Support Group
- 16:50 Natural habitats field surveys — how to deal with observer variation?
Wojciech Mróz, Eurosites - the European Land Conservation Network
- 17:00 EarthTrack: a mobile application for recording land cover and change
Sébastien Chognard, Aberystwyth University
- 17:15 Satellite images and their use as an aid to field monitoring
Carole Planque, Aberystwyth University
- 17:30 Bridging the gap between field data and satellite data with drones
Ricardo Díaz-Delgado, Doñana Biological Station-CSIC
- 17:45 Discussion
- 18:15 Demonstration: The impact of observer variation on sampling design
Alan Brown
- 18:45 Closing day 1 and instructions for the field visit of 24 May
Marina Škunca, Geonatura Ltd
- 19:00 Dinner



Programme

Tuesday 24 May

- 08:00 Departure from Zagreb to Krč (local Natura 2000 site HR2001298 Vejalnica i Krč)
- 09:00 Welcome and introduction to the site
- 09:15 Outdoor session with parallel demonstrations:
- Observer variation in field data (Clive Hurford)
- Using the EarthTrack mobile app to complement field data (Sébastien Chognard)
- Preparing and collecting drone data to complement field data (Ricardo Díaz-Delgado)
- Natural habitats field monitoring - botanical indicators and conservation status
- 13:00 Lunch
- 14:00 Travel back to Zagreb
- 15:20 The results of the observer variation field exercises
Clive Hurford and Alan Brown
- 15:40 How to assess habitat conservation status on the ground — simple botanical indicators of habitat structure and functions
Wojciech Mróz, Eurosites - the European Land Conservation Network
- 16:00 Data collection results from the EarthTrack mobile app
Sébastien Chognard, Aberystwyth University
- 16:20 Drone image processing
Ricardo Díaz-Delgado, Doñana Biological Station-CSIC
- 16:40 Drone plant population monitoring results
Clive Hurford, Chairman of the Eurosites Remote Sensing Support Group
- 17:00 Using drones to monitor bird colonies
Ricardo Díaz-Delgado, Doñana Biological Station-CSIC
- 17:20 Imagery between Sentinel 2 and drones - overview of available satellite data
Ivan Lukić, GDI
- 17:40 Discussion & feedback session
- 18:20 Knowledge market:
Short presentations (3-5 min): How Earth Observation (EO) data can complement field data for informing site management and decision-making purposes, and how the availability of EO can help focus our collection of field data.
- 19:00 Dinner
- 20:00 EuroCocktail (incl. knowledge market)



5th Natura 2000 monitoring workshop & Natura 2000 Biogeographical Process networking event

Zagreb, 23-25 May 2022



Programme

Wednesday 25 May

- 08:00 Departure from Zagreb to Rastoke (local Natura 2000 site HR2000596 Slunjičica)
- 10:00 Welcome and introduction to the site
- 10:15 Outdoor session with parallel demonstrations:
- Using drones for collecting imagery for monitoring purposes: examples and discussion
- The impact of observer variation on sampling design: results and discussion
- 12:00 Lunch
- 13:00 - 15:00 Travel back to the airport, train station, then hotel

Organiser and workshop host

Eurosites - the European Land Conservation Network - is a unique organisation. We provide networking, capacity building, training, information, advocacy, and awareness raising services for conservation practitioners all over Europe. Our members and partners are organisations and individuals working on and caring for land and nature conservation in governmental and civic society organisations, within and outside the EU. They work across a broad range of topics and geographic levels, but always with a keen interest in practical aspects of day-to-day natural site management, restoration and conservation as well as the implementation of nature conservation policies, both inside and outside protected areas. Join too!

Geonatura Ltd. is a consultancy in nature protection that was established in 2008 by a group of nature protection experts. The company's goal is to provide its clients with innovative and effective services in nature protection and preservation all over Croatia and its neighbouring countries. Today, with 20 employees, Geonatura gathers one of the largest teams of nature protection experts in Croatia which, accordingly, are its leading power. Their competence in different biological disciplines and perennial professional experience is complemented with expertise in geoinformatic tools (GIS) and other contemporary scientific methods such as remote sensing, telemetry, ecological modelling, and others. The company is structured around five groups: (1) terrestrial ecosystems research group; (2) freshwater ecosystems research group; (3) bird monitoring group; (4) bat monitoring group; and (5) large carnivores monitoring group; cooperating also with different associate experts by demand. Geonatura's services include, among others, biological inventory and biomonitoring, nature and environmental impact assessment, preparation of action and management plans, mapping and assessment of ecosystem services, as well as research associated with the use and management of natural resources, climate change adaptation and sustainable development. Furthermore, the company offers education and specialization to various stakeholders in nature protection, such as the public institutions and NGOs. Through its activities, Geonatura facilitates the cooperation between the science community and public, as well as private subjects, thus presenting an inevitable link between the state, the public and the private sector in nature protection projects and activities.



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