

# NATURE, CULTURE AND SUSTAINABILITY IN THE CLIMATE AND ENVIRONMENTAL CHANGE

46th EGN COORDINATION COMMITTEE MEETING

2022 September 26-30

Centro eventi "IL MAGGIORE" VERBANIA (VB) ITALY











# ENI FOR 2021: OUR CONTRIBUTION TO A JUST TRANSITION

Now in its 16th edition, "Eni For" is a voluntary sustainability report, published annually, outlining the way in which the company contributes towards a 'just' energy transition: by guaranteeing access to energy and achieving the goal of net zero emissions by 2050. In reducing its emissions Eni not only strengthens its goals but it does so in an inclusive manner: in fact, alongside its commitment to foster social and economic growth opportunities, the importance of managing the social impact of transition on workers, communities and clients in a responsible manner is fully recognised. Eni has therefore set out a roadmap for the constant evolution of its business activities, including the development of renewables and the conversion of refineries into biorefineries. Furthermore: with the agreements signed for the construction of agri-hubs, producing oilseeds and vegetable oils to be used as agri-feedstock for the production of biofuels, new jobs will be created; further support, therefore, for the development of new activities in the countries where the company operates. Eni has also strengthened its partnerships with international organizations for development cooperation. An example of this? Local development projects in Mexico, Kazakhstan and Nigeria, and beyond [...]





Read more on eni.com

# INDEX

- 2 CONFERENCE AT A GLANCE
- 3 VENUES
- 4 CONFERENCE BOARD
- 5 SCIENTIFIC COMMITTEE
- 7 THE HOST CITY: VERBANIA
- **8** CONFERENCE VENUE "IL MAGGIORE"
- 9 "VILLA SIMONETTA"
- **1 1** WEEKLY PROGRAM
- **14** SCIENTIFIC PROGRAM
- 15 DAY 1 wednesday september 28th
- **23** FIELD TRIPS DAY 2 thursday september 29th
- 32 DAY 3 friday september 30th
- **39** ORAL COMUNICATION
- **40** ORGANIZING AND HOSTING INSTITUTIONS
- **41** ORGANIZING SECRETARIAT
- 42 UNDER THE AUSPICIES OF & MAIN SPONSORS

# CONFERENCE AT A GLANCE

	Monday 26 September	Tuesday 27 September	Wednesday 28 September	Thursday 29 September	Friday 30 September
07:00 - 08:00				FIELD TRIPS	
08:00 - 09:00		Registration	Registration		
09:00 - 09:30					
09:30 - 10:00		EGN CC MEETING	Opening Ceremony		Parallel Sessions
10:00 - 10:30			and Conference		Parallel Sessions
10:30 - 11:00		Coffee Break			
11:00 - 11:30					Coffee Break
11:30 - 12:00		EGN CC MEETING	Parallel Sessions	ONE DAY MID CONFERENCE	
12:00 - 12:30			Farallel Jessions		Parallel Sessions
12:30 - 13:00				FIELD TRIPS	and Posters
13:00 - 13:30	Welcome Lunch for AC	Lunch Break	Lunch Break		
13:30 - 14:00	Member		Lunch Break		Lunch Break
14:00 - 14:30		EGN WORKING			Lunch Break
14:30 - 15:00		GROUPS and 4			
15:00 - 15:30	EGN AC	Separate Meetings	Parallel Sessions		Parallel Sessions and Posters
15:30 - 16:00	MEETING	Coffee Break			
16:00 - 16:30		EGN WORKING			Plenary Session
16:30 - 17:00		GROUPS and 4			and Closing Ceremony
17:00 - 17:30		Separate Meetings	Posters Presentation		
17:30 - 18:00		GEO FAIR			
18:00 - 18:30		SET UP			
19:00 - 19:30		Ice - breaker			
20:00 - 22:00	EGN CC Welcome Meal	dinner	Get together Dinner	SESIA VAL GRANDE GEOPARK	Unesco

# **VENUES**

**Conference Venue:** 



**Centro Eventi II Maggiore** 

Via S. Bernardino, 49, 28922 Verbania, Italy

**GeoFair Venue:** 



Villa Simonetta

Via Francesco Simonetta, Verbania IT

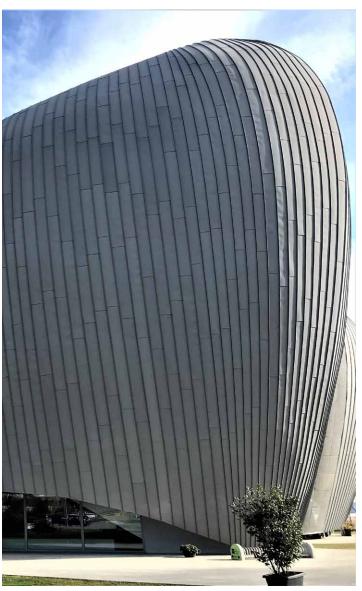
**Meeting point Field Trips:** 



Parking area Centro Eventi II Maggiore



# CONFERENCE BOARD



Chairman Edoardo Dellarole Sesia Val Grande UGGp, President

Nickolas Zouros Global Geoparks Network (GGN), Coordinator

Kristof Vandenberghe
UNESCO Earth Science and Geoparks, Chief of Section

Sophie Justice European Geopark Network (EGN), Coordinator

Enrico Vicenti UNESCO Italian Commission, Secretary General

Raffaella Tittone

Regione Piemonte Cultural Sector, Director

Aniello Aloia EGN Italian Geoparks, Coordinator

**Beppe Carlevaris** Visit Piemonte, President

Luigi Spadone Val Grande National Park, President

Paolo Ferrari Sesia Regional Park, President

Tullio Bagnati

Associazione Sesia Val Grande Geopark, Delegate

Marco Giardino Sesia Val Grande UGGp, Scientific Coordinator

Noemi Comola Sesia Val Grande UGGp and Val Grande National Park, Director

Cristina Movalli Sesia Val Grande UGGp and Val Grande National Park, Biologist

Chiara Leonoris Sesia Val Grande UGGp and Sesia Regional Park, Geologist

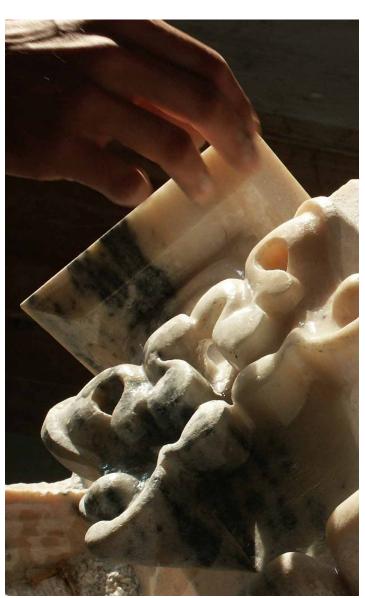
Ilaria Selvaggio

Sesia Val Grande UGGp and Sesia Regional Park, Consultant

Lucia Pompilio Sesia Regional Park, Director

Alice Freschi
Associazione Sesia Val Grande Geopark, Vice-President

# SCIENTIFIC COMMITEE



Chairman Marco Giardino

Univ. Torino (Italy), Sesia Val Grande UGGp Scientific Coordinator

Ozlem Adiyaman Lopes

UNESCO Earth Science and Geoparks

Sandra Beltramo

UNESCO Regional UNESCO Sector

**Babbis Fassoulas** 

EGN, Vice Coordinator and Psiloritis UGGp

**Kristin Rangnes** 

GGN, Tresaurer and EGN - GeaNorvegica UGGp

Hilario Asier

EGN - Basque Coast UGGp - Spain

Jose Maria Barrera

EGN - Villuercas Iboras Jara UGGp - Spain

Javier López Caballero

EGN - Villuercas Iboras Jara UGGp - Spain

MIkko Kiuttu

EGN - Rokua UGGp - Finland

Christophe Lasingu

EGN - Massif de Bauges UGGp - France

Kirstin Lemon

EGN - Cuilcagh UGGp - Ireland and United Kingdom

**Michal Poros** 

EGN - Svietokrzyski UGGp - Poland

Artur Sá

EGN - Arouca UGGp - Portugal

Jakob Walløe Hansen

EGN - Odsherred UGGp - Denmark

Jutta Weber

EGN - Bergstrasse Odenwald UGGp - Germany

# SCIENTIFIC COMMITEE

Alessia Amorfini

EGN - Apuan Alps UGGp - Italy

Alessandra Casini

EGN - Tuscan Mining UGGp - Italy

Giulia Castello

EGN - Beigua UGGp - Italy

Vajolet Masè

EGN - Adamello Brenta UGGp - Italy

Salvatore Troìa

EGN - Rocca di Cerere UGGp - Italy

Angelo Merlino

EGN - Madonie UGGp - Italy

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Italian Institute for Environmental Protection and Research (ISPRA)

Giovanni Capulli

Italian Professional Geologist Association, Vice President

Massimiliano Senesi

Regional Museum of Natural Sciences, Curator - Regione Piemonte- Italy

Natasha Giancola

Cultural heritage, museums and UNESCO designations enhancement,

Regione Piemonte - Italy

Angelo Besana

Univ. Trento (Italy), Geographer

Irene Maria Bollati

Univ. Milan (Italy) and AiGEo, Earth Scientist

Valter Maggi

Univ. Milano Bicocca (Italy) and Italian Glaciological Committee (CGI),

President

Paola Coratza

Univ. Modena and Reggio Emilia (Italy) IAG & AiGEO WP Geomorphosites

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Univ. Torino (Italy), Tech4Culture PhD school, Coordinator

Michele Freppaz

Univ. Torino (Italy), LTER Network, Soil Scientist

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Univ. Torino (Italy), PLS Project, Earth Scientist

Vincenzo Lombardo

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Luca Martire

Univ. Torino (Italy), Earth Scientist

Chiara Montomoli

Univ. Torino (Italy), Earth Scientist

Luigi Perotti

Univ. Torino (Italy), and Italian Glaciological Committee (CGI), Secretary

General

Fabrizio Piana

CNR IGG (Italy), Earth Scientist

**Mattia Pistone** 

Petrology & Volcanology Assistant Professor - Georgia - USA

Andrea Rolando

Politecnico of Milan (Italy), E-Scape Lab, Coordinatort

Silvano Sinigoi

Univ. Trieste (Italy), Earth Scientist

Alberto Zanetti

Institute of Geosciences and Earth Resources (IGG) - Italy

# THE HOST CITY: VERBANIA



Verbania, capital of the province of Verbano Cusio Ossola since 1992, was officially founded in 1939 by the unification of the existing cities of Intra and Pallanza and their hamlets, and consists of different places, the lake and the hills that offer opportunities for different routes.

"Verbania, a garden on Lake Maggiore" is the motto with which the city, a natural terrace with a view on the Borromean Gulf, presents itself to visitors. Gardens and parks, are the main tourist attraction of the region, an ideal destination for those looking for a relaxing holiday with the beauty and harmony of the landscape.

Its territory extends over the hills that climb gently towards the Alps. The mild climate, the possibility of direct contact with nature, through trips around the lake, gardens and houses seen on walks, and many examples of museum of sacred art, make the city and ideal area for a pleasant stay.

Verbania is an enchanting place that offers walks along the shores of Intra and Pallanza, visit to Villa Taranto and Isola Bella.

### What to visit in Verbania

Nature is interesting, ideal for those who love the lake, the mountains and forests. It is possible to go trekking, walking and cycling. There are many campsites, and well-equipped facilities; there is a youth hostel, and many luxury and very expensive hotels, especially in Stresa village. To see in Verbania and its sorroundings:

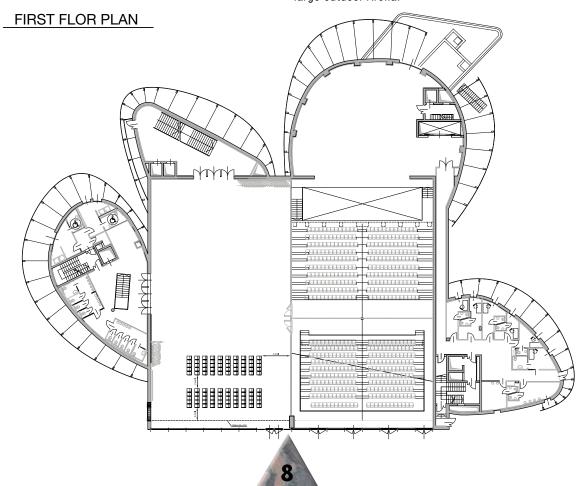
**Borromean Islands** Madonna di Campagna Church Villa Taranto and Its Gardens House of the Resistance Landscape Museum Lake Maggiore **Adventure Park** Pallanza Vianone Baveno San Bernardino Verbano Stresa Madonna del Sangue Sanctuary, Re, Vigezzo Valley **Ancient Quarry of Ornavasso** Church of the Good Remedy, Monterosso Mergozzo Orta Lake Voqoqna and the Visconteo castle Mottarone

# CONFERENCE VENUE "IL MAGGIORE"

The II Maggiore Events Center in Verbania, located on the shore of Maggiore Lake, was born from the will of the madrilenian architect Salvador Perez Arroyo to create a work of art that would remain etched in the minds of visitors. Located in a panoramic position, II Maggiore dialogues harmoniously with the city and the s urrounding landscape.

S. A. S. R.

The structure, which won the International Architecture Award 2017, impresses with its unique forms. The complex consists of four volumes, with titanium zinc coating, evoking the stones placed on the banks of the lake and the adjacent river. These are arranged close to each other, directly overlooking the lake and the large outdoor Arena.



# EXHIBITIONS VENUE"VILLA SIMONETTA"



In Verbania Intra, on the Piedmontese shore of Maggiore Lake, there is Villa Simonetta, an elegant building once owned by Francesco Simonetta, a patriot of the Risorgimento.

Today the rooms of Villa Simonetta host the Casa del Lago, the didactic heart and the network and documentation center of EcoSistema Verbano.

The idea of creating a museum that would collect the traces and the memory of the culture of the lake dates back to the work carried out between 1997 and 1999 by the classes of the Bachelet elementary school in Verbania as part of the initiatives of the Municipal Council for Children.

The aim of the project is to allow the local population an opportunity to rediscover their roots, so the pupils set up the exhibition Museo del Lago, on Lake Maggiore and its many aspects.

# WEEKLY PROGRAM

Monday, September 26th	EGN ADVISORY COMMITTEE MEETING (II Maggiore)
Tuesday, September 27th	46th EGN COORDINATION COMMITTEE MEETING EGN WORKING GROUPS (II Maggiore)
Wednesday, September 28th	16th EUROPEAN GEOPARKS CONFERENCE SESSIONS (II Maggiore)
Thursday, September 29th	Field Trips
Friday, September 30th	16th EUROPEAN GEOPARKS CONFERENCE SESSIONS (II Maggiore)

VILLA SIMONETTA geofair 28th - 30th september 09:00 - 19:00

# WEEKLY PROGRAM Wednesday, September 28th

	Theatre Hall	Restaurant hall	Blue Hall	Foyer 1	Foyer 2	Museo Hall
08:00 - 08:45			Regist	tration		
08:45 - 09:00	OPENING					
09:00 - 09:30						
09:30 - 10:00	PLENARY					
10:00 - 10:30						
10:30 - 11:00						
11:00 - 11:30	SESSION 1.1		SESSION 2.1	SESSION 4.1		SESSION 3.1
11:30 - 12:00	Aspiring geoparks (presenting new geopark		Geoheritage and Geodiversity as	Geoscience: public engagement and		Geoparks and Ecological Transition: safeguarding
12:00 - 12:30	projects). Tips and tools, evaluations and revalidations.		foundations for advancing our understanding of the Earth and its landscapes.	education.		sustainable development and social resilience in response to global climate
12:30 - 13:00	revalidations.		Laith and its landscapes.			change and its consequences.
13:00 - 13:30					LUNCH BREAK	
13:30 - 14:00					LONGIT BILLIN	
14:00 - 14:30	SESSION 1.2		SESSION 2.2	SESSION 4.2		SESSION 3.2
14:30 - 15:00	Aspiring geoparks (presenting new geopark		Geoheritage and Geodiversity as	Geoscience: public engagement and		Geoparks and Ecological Transition: safeguarding
15:00 - 15:30	projects). Tips and tools, evaluations and revalidations.		foundations for advancing our understanding of the Earth and its landscapes.	education.		sustainable development and social resilience in response to global climate
15:30 - 16:00	revailuations.		Lai iii aliu iis lailuscapes.			change and its consequences.
16:00 - 16:30		POSTERS DISCUSSION  1.P Aspiring geoparks (presenting				
16:30 - 17:00		new geopark projects). Tips and tools, evaluations and revalidations.  2.P Geoheritage and Geodiversity	PHD			
17:00 - 17:30		as foundations for advancing our understanding of the Earth and its landscapes.	Tech4culture			
17:30 - 18:00		3.P Geoparks and Ecological Transition: safeguarding sustainable development and social resilience in				
18:00 - 18:30		response to global climate change and its consequences.				
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**GET TOGETHER DINNER** 

# WEEKLY PROGRAM Thursday, September 29th

### FIELD TRIPS Meeting point Parking area Centro Eventi II Maggiore

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ICE	1	Nature and Science towards the top of Monte Rosa	07:15
	2	The Glaciological trail in the Walser land*	07:15
FIRE	3	The open-air laboratory of the Sesia supervolcano	07:30
WATER	4	Fenera Caves: a Neandertal history	07:45
	5	Ara: the garden of the caves	07:45
EARTH	6	Planet Earth Dynamics in a small -and wild- alpine valley	08:00
	7	Geology and Geomorphology along the Cadorna Road	08:00
	8	Walking in Val Grande, to the depths of the Earth	08:30

#### DEPARTURE

MAN	9	The birthplaces of the Milan Cathedral	09:00
	10	From rocks to stones in the alpine landscape of Malesco	07:30
	11	The Lakes Granites: landscapes, georesources, culture	09:00
	12	The natural soul of the Alpine culture at Varallo Sesia	08:00
	13	Geodiversity, viticulture and wines along the Alpine Piedmont Hills	08:30
	14	Geobiking along the Toce River and the Maggiore Lake	09:00
	15	Rondolere and Oasi Zegna: where the history of Man meets the history of the Earth	07:15

# WEEKLY PROGRAM Friday, September 30th

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	Theatre Hall	Restaurant hall	Blue Hall	Foyer 1	Foyer 2	Museo Hall
07:30 - 08:00						
08:30 - 08:45						
08:45 - 09:00						SESSION 7.1
09:00 - 09:30	SESSION 5.1		SESSION 5.2	SESSION 4.3		Geoparks in the digital era: collection and best use of
09:30 - 10:00	Geotourism: exploring good practice and		Geotourism: exploring good practice and	Geoscience: public engagement and		data and information for management and communication
10:00 - 10:30	challenges in Geoparks.		challenges in Geoparks.	education.		OOTHITIAL HOUSE
10:30 - 11:00						
11:00 - 11:30					COFFEE BREAK	
11:30 - 12:00	SESSION 5.3		SESSION 5.4	SESSION 8.1		SESSION 4.4
12:00 - 12:30	Geotourism: exploring good practice and		Geotourism: exploring good practice and	Sustainable heritage: developing, promoting and		Geoscience: public engagement and
12:30 - 13:00	challenges in Geoparks.		challenges in Geoparks.	celebrating local products and cultures in Geoparks		education.
13:00 - 13:30						
13:30 - 14:00					LUNCH BREAK	
14:00 - 14:30					LONGII BIILAR	
14:30 - 15:00		POSTERS DISCUSSION 4.P Geoscience: public engagement	SESSION 6.1 The World after the	SESSION 8.2 Sustainable heritage:		workshop UNESCO IGCP 726 GEOFOOD
15:00 - 15:30		and education. <b>5.P</b> Geotourism: exploring good practice and challenges in Geoparks.	pandemic: risks, resilience and opportunities in	developing, promoting and celebrating local products and cultures in Geoparks		
15:30 - 15:45		7.P Geoparks in the digital era: collection and best use of data and information for management and communication	Geopark communities.			
15:45 - 16:00		8.P Sustainable heritage: developing, promoting and celebrating local products and cultures in Geoparks				
16:00 - 16:30	PLENARY E CLOSING					
16:30 - 17:00	I LLIVARTI E OLUGINU					
17:00 - 17:30						



# SCIENTIFIC PROGRAM

### Wednesday, September 28th

Opening Ceremony

Il Maggiore – Theater Hall 08:45 – 11:00

### Short welcome to the EGN Conference

Sophie Justice, EGN Coordinator

Host Welcome by Sesia Val Grande UGGp and the Territory

Edoardo Dellarole, Sesia Val Grande UGGp President, Vittoria Poggio and Matteo Marnati, Representatives of Piemonte Regional Government (Culture and Environment)

### UGGps cultural heritage and environmental sustainability and in a national context

Enrico Vicenti, Secretary General UNESCO National Commission Italy

### Presentation of the UGGp label and IGGP's work

Ozlem Adiyaman Lopes, UNESCO IGGP Earth Sciences and Geopark section

### Presentation of the European Geoparks Network

Sophie Justice, EGN Coordinator

### Presentation of the Global Geoparks Network

Nikolaos Zouros, GGN President



#### **CONSERVATION PROGRAMMES:**

A KEY ELEMENT IN ENI'S LONG-TERM STRATEGY Davide Calcagni, SVP Geology and Geophysics Operations and Services, Eni



### IGOR GORGONZOLA: 3P Sustainability Method

orgonzola Giulia Leonardi EXPORT SALES ACCOUNT IGOR GORGONZOLA and Figlia di Fabio Leonardi, CEO IGOR GORGONZOLA"

### Audiovisual presentation of Sesia Val Grande UGGP and cultural event Giulia Impache, Pietra Tonale

Closing of opening ceremony Sophie Justice, EGN Coordinator

#### THEMATIC SESSIONS

- Aspiring geoparks (presenting new geopark projects). Tips and tools, evaluations and revalidations.
- 2. Geoheritage and Geodiversity as foundations for advancing our understanding of the Earth and its landscapes.
- Geoparks and Ecological Transition: safeguarding sustainable development and social resilience in response to global climate change and its consequences.
- 4. Geoscience: public engagement and education.
- 5. Geotourism: exploring good practice and challenges in Geoparks.
- The World after the pandemic: risks, resilience and opportunities in Geopark communities.
- 7. Geoparks in the digital era: collection and best use of data and information for management and communication
- 8. Sustainable heritage: developing, promoting and celebrating local products and cultures in Geoparks



### SESSION 1.1

### Theatre Hall

#### 11.00 - 13.00 Oral Communication

SESSION 1.1 Aspiring geoparks (presenting new geopark projects). Tips and tools, evaluations and revalidations.

#### Conveners: Ozlem Adiyaman Lopes, Alireza Amrikazemi, Andreas Schueller

ID 182. Road from a national geopark to a UNESCO Global Geopark - Changbaishan Geopark as a case study (Greece) - Junbo Wang, Zouros Nikolaos, Zhang Jianping, Li Zhihong

ID 169. The Cross-Channel Geopark : Two Landscapes Connected By The Channel (United Kingdom) - Taylor Greg, Dehouck Hélène

ID 76. Ilandagh – Promising Candidate For The Status Of Global Geopark From Azerbaijan (Azerbaijan) – Ilkin Kangarli

ID 123. Nisyros aspiring UNESCO Global Geopark: a Volcanic landscape with unique geodiversity (Greece) — Nomikou Paraskevi, Antoniou Varvara, Panousis Dimitrios, Nikoli Elisavet, Emmanouloudis Dimitrios, Nastos Panagiotis, Pechlivanides George, Agiomavritis Marios, Batis Aris

ID 119. Geopark in Sopron (Hungary) is a real possibility (Hungary) – Albert Gáspár, Tóth Kornél, Pál Márton, Pappné Vancsó Judit

ID 27. Aspiring géoparc Terres D'hérault (France) – Shona Gravat--Hodan

ID 138. Strategic plan for the "Oeste" aspiring Geopark (Portugal)
 Ramos Dulcineia, Crespo Cátia, Duarte Eunice, Lima Santos
 Luís, Jorge João Paulo, Vasconcelos João, Leandro Sérgio,
 Eugénio Teresa, Silva Miguel

### SESSION 2.1

#### Blue Hall

#### 11.00 - 13.00 Oral Communication

SESSION 2.1 Geoheritage and Geodiversity as foundations for advancing our understanding of the Earth and its landscapes.

#### Conveners: Daniela Rocha, Asier Hilario

ID 92. Geodiversity day: a call to build a collaborative and shared resource for UGGps (France) — Lansigu Christophe, Daviet Jérôme, Desbois Jean Luc

ID 235. Geoparks in Volcanic Areas in Europe - Presentation of the new book prepared by the EGN Volcanic Working Group -João Carlos Nunes

ID 80. Integrating geology, palaeontology, and landscape evolution to organise geodiversity and geosites at the Oeste aspiring Geopark (Portugal) - Pimentel Nuno, Pereira Bruno

ID 93. A comparison of geodiversity and geosite assessments in the Bakony-Balaton UGGp, (Hungary) - Pál Márton, Albert Gáspár

ID 140. Caves of Vis Archipelago Geopark (Croatia) - Filip Prelec

ID 202. An Example of human influence in shaping the natural landscape: Bin Tepeler (Thousand Hills), Manisa-Turkey (Turkey) - Aytac Ahmet Serdar, Demir Tuncer

ID 17. Tabas as a Mine-Driven Geopark in Central East of Iran (Islamic Republic of Iran) – Esmail Elahpour

ID 217. Akrocheiras, a new locality in the petrified forest of Lesvos UNESCO global geopark with abundant fossil leaves (Greece) - Eleni Liapi, Efthimia Tsitsou, Giannis Zidianakis, Penelope Papadopoulou. George Iliopoulos. Nikos Zouros

### SESSION 3.1

#### Museo Hall

#### 11.00 - 13.00 Oral Communication

SESSION 3.1 Geoparks and Ecological Transition: safeguarding sustainable development and social resilience in response to global climate change and its consequences.

### Conveners: Antonello Provenzale, Cathrien Posthumus

- ID 24. Researching climate change resilience Magma Geopark highlighting the implications of being a hub in the Arctic (Norway) - Karkut Jonathan Karkut, Thjømøe Pål
- ID 129. "Clean Up Norway" Gea Norvegica UGGp's role in an historic initiative to clear the Norwegian coastline for plastic pollution (Norway) Narum Bjørn Magnus Mowinckel Nilsen
- ID 220. A storymap landscape and climate: ground for climate-adaptation (Netherlands) Margaretha Roelfs, C. Posthumus
- ID 137. The UNESCO global geoparks and their contribution to the SDG 14 of the 2030 agenda: the nexus ocean climate to minimize and mitigate the adverse effects of climate change (Portugal) Silva Elizabeth, Sá Artur
- ID 54. Strategy for the protection and sustainable use of cross-border water resources in the karawanken-karavanke UNESCO global geopark (Austria) Schmalzl Lilia, Hartmann Gerald, Komar Darja, Rman Nina, Jungmeier Michael
- ID 173. Biennium for climate action in portuguese UNESCO global geoparks (Portugal) Castro Emanuel, Cezar Lucas, Neto de Carvalho Carlos, Rocha Daniela, Morais Antónia, Meneses Salomé
- ID 221. The role of UNESCO-designated sites in climate change adaptation in Northern Ireland, UK: a case study from the Cuilcagh Lakelands UNESCO global geopark and the Mourne Gullion strangford aspiring UNESCO Global Geopark (United Kingdom) Lemon Kirstin, O'Connor Grainne, Rice Darren and Rabagliati Matthew
- ID 44. Encouraging economic development how a UNESCO global geopark can play a major role in making its economy more resilient (Luxembourg) Christiane Francisco

### SESSION 4.1

### Foyer 1

### 11.00 - 13.00 Oral Communication

SESSION 4.1 Geoscience: public engagement and education.

### Conveners: Francesca Lozar, Carlos Neto de Carvalho

- ID 167. The UNESCO chair geoparks, regional sustainable development, and healthy lifestyles: celebrating the 6th summer university under the motto "oceans, people and cooperation for sustainable development (Portugal) Sá Artur, Silva Elizabeth
- ID 179. Building bridges a network project between estrela, gea norvegica and katla UNESCO global geoparks (Portugal) Loureiro Fábio, Castro Emanuel, Cezar Lucas, Fernandes Magda, Mota Margarida, Santos Sara
- ID 194. ESD for 2030: addressing sustainability dilemmas in German UNESCO global geoparks' educational programs (Germany) Mira Franzen, Hans-Hartmut Escher
- ID 14. Bergstrasse-Odenwald UNESCO Global Geopark (Germany) and the Global Agenda 2030: Education for a sustainable future by capacity building, networking and strategies. (Germany) Weber Dr. Jutta
- ID 199. "Waterways and Stories on E4 Path and the Geoparks in East Mediterranean (Greece) Vidakis Nikolas, Chatzaki Magdalini, Perakis Evangelos
- ID 150. Training pupils on recycling and responsible consuption in psiloritis UGGP (Greece) Dimitriou Lydia, Kefalogianni Zacharenia, Fassoulas Charalampos
- ID 207. Educational programme of Salpausselkä UNESCO global geopark (Finland) Komulainen Kati
- ID 84. Health in geoparks (Canada) Maggs Manda, Helm Charles

### SESSION 1.2

### Theatre Hall

### 14.00 - 17.30 Oral Communication

SESSION 1.2 Aspiring geoparks (presenting new geopark projects). Tips and tools, evaluations and revalidations.

Conveners: Jose Maria Barrera, Sophie Justice, Javier Lopez Caballero

ID 48. Celebrating The Origins Of Animal Life: Building A Unesco Global Geopark In Charnwood Forest, (United Kingdom) – Jack Matthews

ID 186. Maragheh Fauna, The Focal Point Of The New Geopark Project In Iran (Islamic Republic of Iran) - Amrikazemi Alireza, Zaare Golamreza

ID 126. How To Improve The Visibility Of The Geopark Brand On The Example Of The Land Of Extinct Volcanoes Geopark (Poland) - Cychowska - Nowak Monika, Rozpedowska Ewelina

ID 120. Impact Crater Lake Geopark Auggp – Lappajärvi, Finland (Finland) - Martikainen Heikki S

ID 166. The aspiring Geopark on classical Karst: work in progress (Italy) - Bensi Sara, Fattor Fabrizio, Fedrigo Katja, Piano Chiara

ID 184. Cimmerian Dobrogea, a new Geopark proposal in Romania (Romania) - Seghedi Antoneta, Andrasanu Alexandru, Toma Cristina, Luta Violeta, Giuglea Dragos

ID 149. The Geological Heritage as an enhancement of civilization in the aspiring Taburno-Camposauro Geopark (Italy) - Valente Alessio, Caturano Costantino, La Pietra Luigi, Guadagno Francesco Maria

ID 13. Process of creation of the aspiring Geopark in North Macedonia and assessment of vulnerability of Geosites (Macedonia) - Ristovski Igor, Bianchini Gianluca, Milevski Ivica, Lepitkova Sonja, Petrov Ordanco, Ristovska Aleksandra, Stojanov Tosho, Budimirovic Zvonimir, Stojanov Riste ID 78. Mud Volcanoes as the key Geosites for Geopark creation in the South Gobustan Province, (Azerbaijan) - Rashidov Tofig, Pashayev Jeyhun

ID 116. The use of mobile applications and online gis platforms for heritage identification and characterization in the Atlantic Geopark Project, (Portugal) - Rosado-González Emmaline Montserrat, Custódio Salomé, Monteiro Vaz Nuno, Martinho-Lourenco José Manuel, Henriques Maria Helena, Abreu Sá Artur

ID 190. South-East Tunisia: a territory committed to a label (Tunisia) - Mohsen Ben Hassine, Mohamed Ben Salem

ID 191. Inventory and Assessment of Geosites for Geotourism Development in Ida Madra Aspiring Geopark, (Turkey) -Curebal Isa, Efe Recep, Soykan Abdullah

ID 131. Management and legal protection of Geosites, a case study in the Bükk-Region Geopark (Hungary) - Balázs Megyeri

ID 144. The importance of the Marine Nearshore in Coastal Geoparks – examples from the Oeste aspiring Geopark (Portugal) - Pimentel Nuno. Pereira Bruno. Reis Silva Miquel

### SESSION 2.2

### **Blue Hall**

#### 14.00 - 16.30 Oral Communication

SESSION 2.2 Geoheritage and Geodiversity as foundations for advancing our understanding of the Earth and its landscapes.

### Conveners: Piotr Migon, Maria Luise Frey

- ID 49. 30 years of promotion of geoheritage within unesco geoparks and the potential role of the 'world research travel organization' (Germany) Wolfgang Eder, Zhenzhi Yang, Young Ng
- **ID 20.** Proposed methodology for abiotic ecosystem services assessment in two UNESCO Global Geoparks: Sesia Val Grande in Italy and Magma in Norway (Norway) **Sara Gentilini**
- **ID 29.** Condition assessment of Geosites in Geoparks or how to check that your geological heritage is still there.(United Kingdom) **Kevin Page**
- ID 58. How does the geoheritage inventory contribute to the implementation of conservation policy in France? What is the role for UGGPS? (France) Egoroff Grégoire, Justice Sophie, Rouget Isabelle, Reyjol Yorick
- ID 174. UNESCO global geoparks in Portugal: 'living laboratories' for research (Portugal) Castro Emanuel, Vieira Gonçalo, Neto de Carvalho Carlos, Rodrigues Joana, Rocha Daniela, Paz Alexandra, Sá Artur, Morais Antónia, Pereira Diamantino, Costa Manuel, Lima Eva
- ID 65. Geomorphosite assessment for geotourism purposes: a case study of Ida Madra aspiring geopark, (Turkey) Efe Recep, Soykan Abdullah, Cürebal Isa
- ID 178. Interpreting geoheritage: the strategy of the estrela UGGP (Portugal) Loureiro Fábio, Castro Emanuel, Rodrigues Rodrigo
- ID 195. The interpretation centre «birthing stones house»: 10 years at the service of education and tourism in the arouca UNESCO global geopark (Portugal) Paz Alexandra, Belém Margarida, Rocha Daniela, Sá Artur
- ID 197. Geoconservation: experiences for effective public participation (Spain) Mateo Mederos Maria Elena, Guillén Martín Cayetano
- ID 203. Geo-edocational Activities in Kula-Salihli UNESCO Global Geopark (Turkey) Demir Tuncer, Aytac Ahmet Serdar

### SESSION 3.2

#### Museo Hall

#### 14.00 - 16.30 Oral Communication

SESSION 3.2 Geoparks and Ecological Transition: safeguarding sustainable development and social resilience in response to global climate change and its consequences

### Conveners: Kirstin Lemon, Chris Woodley-Stewart

- ID 219. Nature-based solutions for stormwater treatment water protection and adapting to climate change in Salpausselkä Geopark, (Finland) Ismo Malin
- ID 214. Upcycling project in reykjanes geopark as a way to generate less waste and create value-added products in a creative way (Iceland) Aradottir Braun Thuridur, Einarsson Daniel, Olafsson Arnbjorn
- ID 109. Windfarm in geopark grevena-kozani: significance to the geopark and opportunities for development (Greece) Rassios Annie, Anna Batsi
- ID 139. UNESCO global geoparks and the resilience of local communities regarding climate change: challenges to mitigate its impacts (Portugal) Silva Elizabeth, Sá Artur
- ID 234. Assessing the geosystem services offered by geosites in the MONTE ROSA (Sesia Val Grande UGGP, W-ALPS) to understand relationships between geodiveristy and geoheritage in high mountains (Italy) Khoso R.B., Guerini M. & Giardino Marco
- ID 25. The cyber goat's project, an innovative way to "clean" Geopark's location from vegetation and naturally fertilize the soil. (Norway) Tjåland Ulf
- **ID 170.** Cuilcagh Lakelands UNESCO global geopark the importance of adapting the geotourism concept in transitionary times. (Ireland) **0'Connor Grainne**
- ID 216. Twenty years of Geotourism collaboration as the foundation for community driven sustainable development (Denmark) Rasmus Elmquist Casper
- ID 171. The Grand Tour of UNESCO sites in Piemonte (Italy) Rolando Andrea, Scandiffio Alessandro

### SESSION 4.2

### Foyer 1

### 14.00 - 17.00 Oral Communication

SESSION 4.2 Geoscience: public engagement and education

Convener: Elisabeth Silva, Jakob Walloe Hansen, Pål Thjømøe

ID 99. From monitoring to education: an underground journey through seismic hazard (Italy) - D'Ambrosio Michele, Biagini Damiano, Casini Alessandra, Mazzarini Francesco, Piccinini Davide, Saccorotti Gilberto

ID 215. Active faulting in Northern Lesvos and Earthquake hazard awarness raising activities in Lesvos Island UNESCO global geopark (Greece) - Lamprakopoulos Angelos, Zouros Nickolaos

ID 192. Lesvos geopark education through interactive educational program (Greece) - Antonakis Emmanouil, Soulakellis Nikolaos, Zouros Nicholaos

ID 211. Wetlands of Lesvos Island (Greece): environmental education and sensitization activities in a UNESCO global geopark (Greece) - Bentana Konstantina, Galinou Eleni, Polypatelis Konstantinos, Zgournios Efstratios, Valiakos Ilias, Zouros Nikolaos

ID 57. "Pop-up learning paths" as outdoor teaching offers (Luxembourg) - Birgit Kausch

ID 59. Twelve years of informal (geo)education in the karawanken-karavanke UNESCO global geopark (Slovenia) - Komar Darja, Bedjanic Mojca, Stermecki Lenka, Hartmann Gerald, Zvonar Sandra, Faimut-Štrucl Suzana, Modrej Danijela

ID 66. Educational program in the school's backyard (Norway) - Lund Vegard

**ID 67.** Young geologists of the Republic of Bashkortostan (Russian Federation) - **laikarova Aliia** 

**ID 86.** Educational Use Potentials of Geosites in Aspiring Ida Madra Geopark (Turkey) - **Soykan Abdullah, Efe Recep, Curebal Isa** 

**ID 39.** The UGGp ries as important type locality in impact research (Germany) - **Pösges Gisela, Lang Jürgen** 

ID 64. Ichnofacies of Bagnoles de l'Orne, Normandy Maine aspiring geopark, France : a study for integration in a geological nature reserve and using for public education (France) - Avoine Jacques, Baillet Laura, Aubron Isabelle

ID 108. The Kefalonia-Ithaca UNESCO global geopark and its active contribution to the public and to education (Greece) - Zoumpouli Elena, Xanthakis Michael, Drakatos George, Minetos Panagiotis

### Blue Hall

16.30 - 18.00 PHD Tech4culture discussion

### SESSION 1.P

### **Restaurant Hall**

16.30 - 18.00 Poster

SESSION 1.P Aspiring geoparks (presenting new geopark projects). Tips and tools, evaluations and revalidations.

Young Conveners: Magda Fernandes, Berglind Sigmundsdottir

ID 12. Wells gray provincial park, British Columbia, Canada: an aspiring world heritage site and Geopark (Canada) - Hickson Catherine, Goward Trevor

ID 15. Vardzia, Lesser Caucasus, Georgia: sutable area to aspiring a Geopark (Georgia) - Okrostsvaridze Avtandil

ID 52. Geoatractions and cultural values of the Podtatrze Region (S Poland, N Slovakia), (Poland) - Chrobak-Žuffová Anna

ID 82. Matera and its rupestrian old town "Sassi" (Southern Italy): can aspire to be an aspiring urban Geopark? (Italy) - Tropeano Marcello, Festa Vincenzo, Sabato Luisa, Schiattarella Marcello

ID 162. The Aspiring Jersey Island Geopark (Jersey) - Butel Emily, Carter Jonathan

ID 188. Tabas AUGGP a geological treasure in the middle of desert (Islamic Republic Of Iran) - Yahya Sheibani Vesal, Amrikazemi Aliraza

ID 205. "Volcanes De Calatrava, ciudad real" Geopark Project. (Spain) - Rincón Calero Pedro

ID 233. Lavreotiki Geopark: an ancient & modern mining & metallurgical centre (Greece) - Eugenia Moraiti, Isidoros Kampolis & Vasiliki Barsaki

ID 77. Ilandagh – promising candidate for the status of Global Geopark from Azerbaijan (Azerbaijan) - Kangarli Ilkin

ID 232. Bakthiari Land Geoarchaeological Park (BakLand) -How to keep alive a way of life — Jahfar Mehr Kian, Vito Messina

ID 250. New models of "sustainable mobility" for aspiring UNESCO Geopark (Murgia, Italy) - Andrea Rolando, Alessandro Scandiffio, Domenico Nicoletti



### SESSION 2.P

### **Restaurant Hall**

16.30 - 18.00 Poster

SESSION 2.P Geoheritage and Geodiversity as foundations for advancing our understanding of the Earth and its landscapes.

### Young conveners: Fabio Loureiro, Giulia Castello

- ID 32. Detecting change in raised bogs using remote sensing in Lauhanvuori Hämeenkangas Geopark, Finland (Finland) Talvitie Pasi
- ID 50. Inventory and prioritization of geological sites of Azores Islands: a review based on its scientific value and a contribution to the valorisation of geotourism in the Azores UGGp (Portugal) Santos Priscila, Nunes João Carlos, Meneses Salomé, Costa Manuel Paulino
- ID 60. Illustration a way to communicate Geosciences (Portugal) Alves João
- ID 68. Brief description of the geology of the Toratau aUGGp (Russian Federation) Ardislamov Faniz
- ID 72. Combination of urban and rural Geosites in geotouristic routes for geotourism valorisation in Beni Mellal municipalty (Beni Melal Atlas, Morocco) Bouzekraoui Hicham, Mouaddine Atika
- ID 74. "Geoturistic Guide: ""On the Trail of the Pollino Line" (Italy) Bloise Luigi, Calabrese Egidio, Muto Francesco
- ID 83. A Geotour around uplifted quaternary gravelly deltas (Bradanic Trough, Southern Italy) Sabato Luisa, Tropeano Marcello
- ID 96. A holistic trilogy. Three new geosites in the Villuercas-lbores-Jara UNESCO Global Geopark, Spain (Spain) - Cortijo Sánchez Iván, De la Llave Francisco, Barrera Martín-Meras José María. Palacios Teodoro
- ID 124. The Geomorphosites of Chelmos Vouraikos UNESCO Global Geopark as a tool to promote Geoheritage (Greece) Iliopoulos George, Papadopoulou Penelope, Golfinopoulos Vassilis, Koumoutsou Eleni, Kokkoris Ioannis P., Pappa Irena, Dimopoulos Panayiotis

- ID 127. Geosite and geodiversity sites assessment in the Beigua UNESCO Global Geopark (Liguria, Italy) Castello Giulia, Briguglio Antonino, Caprioglio Maria Cristina, Crispini Laura, Firpo Marco, Marescotti Pietro
- ID 128. Sustainable geoheritage and geosites in the Piana Crixia Natural Park (Liguria, Italy) - Ferrando Andrea, Bosino Alberto, Chiarlone Maria Paola, Coratza Paola, Faccini Francesco
- ID 133. "The Running Stones": the Apuan Alps marble as an example of widespread geosite (Italy) Bartelletti Antonio, Amorfini Alessia, Ottria Giuseppe
- ID 153. The Maiella UNESCO Global Geopark Geosite database: an understanding and promoting tool for geodiversity (Italy) Garzarella Adele, Agostini Silvano, Rusi Sergio, Di Martino Luciano
- ID 158. Folds, Faults and Quarries in Forest Fawr UNESCO Global Geopark (United Kingdom) Ramsay Tony, Blenkinsop Tom, Abu Sharib Ahmed
- ID 218. Geodiversity. A point on the importance on its integration in development strategies for Geoparks and other territories under climate change (Italy) Guerini Michele, Khoso R.B., & Giardino Marco

### SESSION 3.P

### **Restaurant Hall**

16.30 - 18.00 Poster

SESSION 3.P Geoparks and Ecological Transition: safeguarding sustainable development and social resilience in response to global climate change and its consequences.

### Young Conveners: Andrea Ferrando, Andrea Rolando

ID 41. Climate change modeling and risk study at the Geopark Scale (France) - Massias Mélanie, Fontaine Hugo, Ameline Michelr

ID 55. Trials of potato varieties tailored to organic farming within Las Loras UNESCO Global Geopark (Spain) - Sánchez Fabián José Ángel, Salman Monte Karmah, Calderón Mediavilla Luis Javier

ID 90. Sustainable development goals in the Oeste aspiring Geopark (Portugal) - Silva Miguel, Pereira Bruno, Pimentel Nuno

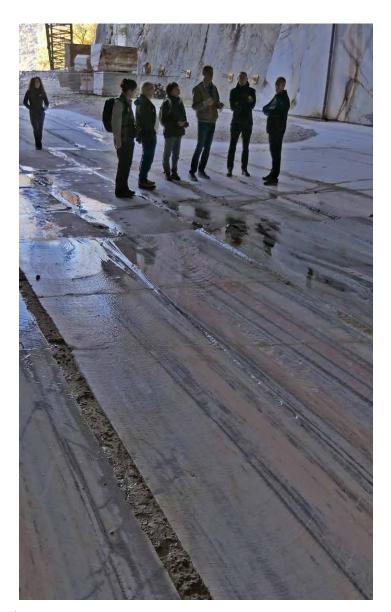
ID 97. The Interreg Med Program at Cabo De Gata-Níjar Unesco Global Geopark: Focusing on Sustainability. (Spain) - García Hoyo Gloria, Tejero Trujeque Lucía

ID 145. The UGGp ries: the regional and marketing initiative "culinary Geopark ries" (Germany) - Burkhardt Heike

ID 168. Climate threat on the karst of the Famenne Ardenne UGGp (Belgium) - Serge Delaby

ID 176. Life ribermine mining reclamation European life project in Molina Alto Tajo Geopark (Spain) - Martínez José, Aragoncillo Javier, Viorreta María

ID 181. The contribution of Kefalonia-Ithaca UNESCO Global Geopark to the protection of Biodiversity (Greece) - Xanthakis Michael, Drakatos George, Minetos Panagiotis, Zoumpouli Elena



20.00 – 22.30 Get Together Dinner **FOYER 1 & FOYER 2** 

### FIELD TRIPS ICE

### 1) Nature and Science towards the top of Monte Rosa

From Alagna to Passo dei Salati by cable car, then hiking to the Corno del Camoscio along the geopedological trail

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Type of journey:	By cable car and walking
Type / level of the route:	Dirt road and mountain path
Participants:	Maximum 50
Duration:	Morning on the mountain, afternoon in the village
Notes:	Please keep in mind that the morning hike will take place at an altitude of 3000 m and a difference in level of 2000 m will be quickly overcome by cablecar. The weather could be cold. Please bring adequate equipment: trekking shoes or boots, rain and heavy/warm clothes, gloves, cap, sunblock.

### 2) The Glaciological trail in the Walser land

Hiking to the Pastore Hut and the Park facilities, visiting glacial landforms and a Walser Village

Type of journey:	Walking
Type / level of the route:	Mountain path + village
Participants:	Maximum 50
Duration:	Full day
Difference in height:	Around 100 m
Notes:	The weather could be cold. Please bring adequate equipment: trekking shoes or boots, rain and heavy/warm clothes, gloves, cap.

### FIELD TRIPS FIRE

### 3) The open-air laboratory of the Sesia supervolcano

From the mantle to the caldera of a 280M years-old supervolcano: a 25 km-long trip, deep into the Earth's crust.

Type of journey:	By bus and walking
Type / level of the route:	Short stretches on paths and outcrops
Participants:	Maximum 20
Duration:	Full day
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### FIELD TRIPS WATER

### 4) Fenera Caves: a Neanderthal history

Paleontology, Archaeology, Prehistory of the Ciota Ciara Cave, from the Pleistocene to the Paleolitic

Type of journey:	Walking
Type / level of the route:	Mountain slippery path
Participants:	Maximum 15
Duration:	Half day fieldtrip, half day museum
Difference in height:	250 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### 5) Ara: the garden of the caves

Mesozoic Limestones and Dolomites, Surface waters, Epigenic and Endogenic Karsts landforms, Geoscience Education

Type of journey:	Walking
Type / level of the route:	Dirt road / easy path
Participants:	Maximum 30
Duration:	Half day fieldtrip, half day museum
Difference in height:	100 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### FIELD TRIPS EARTH

### 6) Planet Earth Dynamics in a small -and wild- alpine valley

Petrogenesis, Tectonics and morphogenesis along the Pogallo crustal shear zone, at the core of the national Park

Type of journey:	Walking
Type / level of the route:	Mountain path
Participants:	Maximum 15
Duration:	Full day
Difference in height:	No significant difference in height (80 m)
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### 7) Geology and Geomorphology along the Cadorna Road

From the historical WW1 defensive line, a panoramic view to the front range and an insight to the birth of a continent

Type of journey:	Walking	
Type / level of the route:	Walk on historic military road	
Participants:	Maximum 50	
Duration:	Full day	
Difference in height:	No difference in height	
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.	

### FIELD TRIPS EARTH

### 8) Walking in Val Grande, to the depths of the Earth

The Geolab laboratory and the Vogogna-Premosello geological path

Type of journey:	Walking
Type / level of the route:	Road, mountain path
Participants:	Maximum 60
Duration:	Half day fieldtrip, half day museum
Difference in height:	120 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### FIELD TRIPS MAN

### 9) The birthplaces of the Milan Cathedral

The magnificent Candoglia and Ornavasso marbles, the historical quarries and the artistic laboratories

Type of journey:	Transfers by bus + 40 minutes walk
Type / level of the route:	Road
Participants:	Maximum 50
Duration:	Full day
Difference in height:	120 m
Notes:	Low temperatures inside the quarries and slippery path. Please bring adequate equipment: rain and warm clothes and shoes.

### 10) From rocks to stones in the alpine landscape of Malesco

Archeology and Geology at the Malesco Museum and the Val Loana geotouristic ring

Type of journey:	Walking
Type / level of the route:	Easy mountain walk
Participants:	Maximum 15
Duration:	Half day fieldtrip, half day museum and village
Difference in height:	130 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### FIELD TRIPS MAN

### 11) The Lakes Granites: landscapes, georesources, culture

Montorfano, Mergozzo and Baveno: quarries, ecomuseum and an overview to the evolution of the Toce Valley

Type of journey:	By bus and walking
Type / level of the route:	Road, and by easy footpath
Participants:	Maximum 30
Duration:	Half day museums, half day fieldtrip
Difference in height:	150 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### 12) The natural soul of the Alpine culture at Varallo Sesia

The Sacred Mountain UNESCO World Heritage site and the Museums Palace in Varallo Sesia

Type of journey:	Walking and few minutes by cableway
Type / level of the route:	Easy mule track, road
Participants:	Maximum 50
Duration:	Half day "Sacred mountain", half day museum
Difference in height:	158 m by cableway, no significant difference in height walking
Notes:	Please bring adequate equipment: rain and warm clothes and shoes.

### FIELD TRIPS MAN

### 13) Geodiversity, viticulture and wines along the Alpine Piedmont Hills

Abiotic ecosystem services, terroir, food and wine. From the Boca vineyards to the Maggiora cellars

Type of journey:	Walking
Type / level of the route:	Dirt road, slippery paths
Participants:	Maximum 20
Duration:	Full day
Difference in height:	50 m
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.

### 14) Geobiking along the Toce River and the Maggiore Lake

Discover the Geopark's geodiversity and its cultural geoheritage along the Toce-Maggiore cyclotour

Type of journey:	With e-bike	
Type / level of the route:	Bike path and some secondary road sections	
Participants:	Maximum 20	
Duration:	Full day	
Difference in height:	No difference in height	
Notes:	Please bring adequate equipment: rain and warm clothes and shoes.	

### FIELD TRIPS MAN

### 15) Rondolere and Oasi Zegna: where the history of Man meets the history of the Earth

Structural geology, geomorphological landscape, archaeometallurgy and the "green vision" of the Zegna Family

Type of journey:	Walking + transfer by bus	
Type / level of the route:	Walk on a dirt road	
Participants:	Maximum 30	
Duration:	Half day fieldtrip, half day museum	
Difference in height:	170 m	
Notes:	Please bring adequate equipment: trekking shoes, rain and warm clothes.	

### **COMMON INFO AND RULES:**

- ·Meeting point Parking area Centro Eventi II Maggiore
- ·Fieldtrips estimated returns: between 17 pm and 6.30 pm
- ·The meeting points are places with heavy traffic so please be on time and prepared for the field trips.
- ·Be on time, you must be at the meeting point 30 minutes before departure.
- ·Every route will be perfectly signated in the meeting point.
- ·A picnic lunch will be provided for all the participants.
- ·Please bring the adequate equipment, keep in mind that the temperatures can be low, especially at high altitude: trekking shoes/boots, rain and warm layers of clothes.
- ·Please let us know if you need any supplementary technical assistance.

The field trip is included in the Conference registration fee; when you register for the Conference, it is essential to specify your preferred route. Limited places as per strict order of registration.

# DAY 3 Friday, September 30th

### SESSION 5.1

#### Theatre Hall

### 9.00 - 11.00 Oral Communication

SESSION 5.1. Geotourism: exploring good practice and challenges in Geoparks.

### Conveners: Irene Bollati, Michal Poros

- ID 18. The geotourism offer of Switzerland: characteristics and potential for UNESCO global geoparks (Switzerland) Regolini Géraldine
- ID 56. Together the Chablais UGGp celebrates its 10th birthday (France) Giroux Amélie
- ID 112. Geotourism as a pillar of dissemination and promotion of the Oeste Aspiring Geopark (Portugal) Silva Miguel, Pereira Bruno, Torres Rute
- ID 122. Experience the water surface (Norway) Pedersen Kamilla
- ID 51. Communicating poorly visible, but nevertheless important geoheritage and geodiversity lessons from GGN and non-GGN geoparks in SW Poland (Poland) Migon Piotr, Pijet-Migon Edyta
- ID 210. Geoconservation in Lesvos Island UNESCO Global Geopark Enhancement and promotion of the new fossiliferous sites along the new Kalloni Sigri road (Greece) Zouros Nikolaos, Valiakos Ilas, Bentana Konstantina, Theodorou Eleni, Zgournios Eftratios, Bloukas Dimitrios, Antonakis Emmanouil, Lamprakopoulos Aggelos
- ID 101. Star observation & natural environment alternative product of development & projection of Eastern Mediterranean Geoparks (Geostars), a cooperation programme interreg V-A «Greece Cyprus 2014-2020» (Cypro)- Theofylaktou Konstantina
- ID 73. (Geo)heritage interpretation in new (geo)touristic attractions of the cross-border karawanken-karavanke UNESCO global geopark (Slovenia) Hartmann Gerald, Fajmut-Štrucl Suzana Suzana, Komar Darja, Modrej Danijela, Bedjanic Mojca

### SESSION 5.2

#### Blue Hall

#### 9.00 - 11.00 Oral Communication

SESSION 5.2. Geotourism: exploring good practice and challenges in Geoparks.

### Conveners: Vajolet Masè, Hartmut Escher

- **ID 91.** Geopark schelde-delta: spatial development education in geopark objects (Netherlands) **Kil Ad**
- ID 143. Educational tourism as means to combat climate change (Iceland) Olafsson Arnbjorn
- ID 147. Forms of support and cooperation of local governments as a way to implement the recommendations of the UNESCO world council of geoparks (Poland) Iwinska Katarzyna
- ID 165. Strategies for visitor and climate change management at popular Geosites in the Burren and Cliffs of Moher UGGp. (Ireland) Gleeson Carol
- ID 125. Explorer's passport in an aspiring the land of extinct volcanoes geopark as a tool for promotion of geotourism and sustainable development (Poland) Cychowska Nowak Monika, Rozpedowska Ewelina
- ID 183. Connecting geological and cultural heritage an asset for geotourism and for enhanced knowledge. (Norway) Rangnes Kristin
- ID 201. The challege to connect messel pit world heritage geosite with the geopark territory bergstrasse-odenwald to develop a trendy marketable geotourism product (Germany) Frey Dr. Marie-Luise, Weber Dr. Jutta, Büchel Prof. Dr. Georg, Wuttke Dr. Michael, Falk Michael, Kött Dr. Anne

# DAY 3Friday, September 30th

### SESSION 4.3

### Foyer 1

#### 9.00 - 11.00 Oral Communication

SESSION 4.3. Geoscience: public engagement and education.

### Conveners: Babbis Fassoulas, Arthur Sa

ID 95. Scientific popularization and communication strategy of the mixteca alta UNESCO global geopark, Mexico: reaching various audiences for education (Portugal) - Ortega-Diaz Bernardo, Ramírez-Miguel Xóchitl, Palacio-Prieto José Luis, Cram-Heydrich Silke, Oropeza-Orozco Oralia, Fernández-Lomelin Pilar, Zaragoza-Alvarés Selene Eridiani, Cruz-Ramírez Miguel Angel, Pérez-Sarabia Cristina, Rojas-Cruz Maetzin, Juan Vergara Jonathan, Rosado González Emmaline Montserrat

ID 200. The Oligocene deposit of Murs (Luberon UNESCO Global Geopark, France), from the research to the appropriation by the local population (France) - Legal Stéphane, Coster Pauline, Costeur Loïc, Maridet Olivier, Mennecart Bastien, Tissier Jérémy, Lapauze Océane

ID 175. Estrela UGGP: an example of the affirmation of geosciences and geoheritage in public policies (Portugal) - Castro Emanuel, Vieira Gonçalo

ID 53. The kalopanagiotis sulfur springs is a strong geotouristic attraction (Cyprus) - Tsiolakis Efthymios, Symeou Vaslilis, Christofi Christos

ID 81. The Scientific Research Catalogue for the Oeste Aspiring Geopark (Portugal) - Pimentel Nuno, Pereira Bruno, Reis Sivla Miguel

ID 87. How to make an invisible geology visible? a creative quest with scientists (Netherlands) - Jonkers Walter, van de Koppel Johan

ID 22. Singing rocks: public engagement through a geologicalmusic project in magma geopark (Norway) - Thjømøe Pål

ID 40. An animated film and a digital teaching kit to make the geological history of the normandy-maine geopark accessible (France) - Massias Mélanie, MARIE Laetitia, Aubron Isabelle

### SESSION 7.1

#### Museo Hall

### 8.45 - 11.00 Oral Communication

SESSION 7.1. Geoparks in the digital era: collection and best use of data and information for management and communication

### Conveners: Luigi Perotti, Alessia Amorfini

ID 85. Attempt to design a standard of geodiversity assessment for a network of geoparks (Poland) - Zwolinski Zbigniew

ID 114. Pediguias - a new tourist approach in the OESTE aspiring geopark (Portugal) - Pereira Bruno, Silva Miguel

ID 146. The international observatory of UNESCO global geoparks as key platform for networking towards sustainable development (Portugal) - Abreu Sá Artur, Zouros Nickolas, Silva Elizabeth, Bentana Konstantina, Martinho Lourenco José, Vaz Nuno, Rosado-González Emmaline

ID 155. Digital outcrops as 3d models: their scientific and geotouristic outreach potential (Germany) - Decker Valeska, Grigowski Edouard, Hoffmann Goesta

ID 156. Mapping Cultural Natural Heritage in Qeshm Island UNESCO Global Geopark, Iran (Italy) - Aliakbari Farzaneh, Tamborrino Rosa

ID 160. Virtual reality for dissemination of the geological and cultural heritage throughout a natural open museum in the origens geopark (Vigeocult) (Spain) - Mir Pellicer Javier, Rivas Gonzalo, Sellés Albert, Muñiz Jose Antonio, Ferrer Oriol, Gratacós Oscar, Galobart Angel, Puras Guillem, Verdeny Nuria, Muñoz Josep Anton

ID 172. How do geoparks communicate with geotourism maps? (Hungary) - Hajdú Edina, Pál Márton

ID 187. Communication in portuguese UNESCO global geoparks – the use of social media (Portugal) - Lima Eva, Salvador Carolina, Jacinto Carla, Rodrigues Joana, Rocha Daniela, Vilar André, Rodrigues Rodrigo

ID 231. Spanish forum: joint communication activities (Spain) - Javier López

11.00 – 11.30 coffee break **FOYER 2** 

# DAY 3Friday, September 30th

### SESSION 5.3

### Theatre Hall

### 11.30 - 13.30 Oral Communication

SESSION 5.3. Geotourism: exploring good practice and challenges in Geoparks

### Conveners: Christof Lansigu, Joanna Rodrigues

ID 198. Geopark Challenge - Adventure Race Promoting Geoheritage and Enhancing Sustainable Tourism of a Global Geopark (Finland) - Kiuttu Mikko, Hostikka Teemu

ID 98. The Dolomites world heritage geotrail (Italy) - Masè Vajolet, Viganò Alfio

ID 107. Creation of short & friendly geo-routes in sierra norte de sevilla geopark (Spain) - Gil Toja Alberto, Castaño Vicente, Pérez de Guzmán Rafael

ID251. 20 years promotion of geoheritage through the European Geoparks network and the interaction with UNESCO - Wolfgang Eder

ID 69. The cycle path Campotenese – Morano Calabro in the Pollino UGGp (Italy) - Calabrese Egidio, Bloise Luigi, Valicenti Arturo

ID 134. "La Vuelta"" reaches the Villuercas Peak. A great oportunity to promote our Geopark (Spain) - López Caballero Javier, Cortijo Sánchez Iván. Suárez Zabala Mario

ID 63. The marine route of the "Mar de las Calmas" in the El Hierro Geopark: a novel tourist experience. (Spain) - Casillas Ramón, Pérez Yurena

ID 45. The karstic trail of Cregols : a trail to discover the mysteries of Geopark (France) - Vincent Biot, Thierry Pelissie

### SESSION 5.4

### **Blue Hall**

#### 11.30 - 13.30 Oral Communication

SESSION 5.4. Geotourism: exploring good practice and challenges in Geoparks.

#### Conveners: Maria Elena Mateo Mederos, Marco Giardino

ID 135. The new joint marketing model in Rokua UNESCO Global Geopark, (Finland) - Saastamoinen Mari

ID 141. Geopark guide training for sustainable tourism in Salpausselkä Geopark (Finland) - Tallgren Vilma-Lotta, Komulainen Kati

**ID 204.** Geoparks and geotourism – a new educational offer (Iceland) - **Sigursveinsson Sigurdur** 

ID 208. Creative tourism potential for geotourism development in rural areas (Indonesia) - Fauziah Amanda, Ridwan Syah

ID 225. Kents cavern prehistoric caves: operating an independent showcave and innovative geotourism experiences in the UGGP (UK) - Nick Powe

ID 185. UNESCO sites: a set of strategies for an overall territorial valorization (Italy) - Merlino Angelo

# DAY 3 Friday, September 30th

### SESSION 4.4

### Museo Hall

#### 11.30 - 13.30 Oral Communication

SESSION 4.4. Geoscience: public engagement and education.

### Conveners: Massimiliano Senesi, Kristin Rangnes

ID 224. 4Geon project as an instrument for geoscience popularization through playful education (Czech Republic) - Martina Pásková

ID 206. A new web app to discover the geodiversity and its links to the natural and cultural heritage (Spain) - Climent Costa Ferran

ID 223. Modern methods of communication and education in the field of Earth Sciences on the example of the geoeducation center at holy cross Mts. UGGP, (Poland) - Poros Michal

ID 46. 3D printing, a tool for raising geoheritage awareness in the Causses du Quercy UNESCO Global Geopark, (France) - Vincent Biot, Emmy Martins, Thierry Pelissie, Quentin Vautrin

ID 164. "Time travel". the use of board games for geoeducation (Romania) - Ciobanu Cristian

ID 36. GeoExplorer - new educational tools for Geoparks (Austria) - Gulas-Wöhri Oliver

ID 35. Geoatlas study – a web based map tool for teaching geology at a secondary educational level (Denmark) - Rasmussen Christian, Nielsen Caroline, Mølgaard Mads

ID 193. Digital Technology and Sound Awareness of Children: Design, Creation and Application of Audiovisual - Interactive Narratives on the occasion of the Sitia Geopark (Greece) - Stavropoulou Konstantina

### SFSSION 8.1

### Foyer 1

### 11.30 - 13.30 Oral Communication

SESSION 8.1. Sustainable heritage: developing, promoting and celebrating local products and cultures in Geoparks

### Conveners: Alessandra Casini, Sara Gentilini

**ID 21.** GEOfood: local food as a tool for heritage dissemination and for empowering local communities through sustainable development practices. (Norway) - **Gentilini Sara** 

ID 105. Geofood in the portuguese UNESCO global geoparks (Portugal) - Rodrigues Joana, Paz Alexandra, Rocha Daniela, Silva Carla, Meneses Salomé, Morais Antónia, Azevedo Patrícia, Castro Emanuel

ID 213. Geofood-edu: local food related to heritage and sustainable development in katla geopark, (Iceland) - Sigmundsdottir Berglind

ID 209. Local food related to heritage and sustainable development in Katla Geopark, Iceland (GEOFOOD-EDU) (Iceland) - Sigmundsdottir Berglind

ID 115. Geoproducts and geogastronomy in the oeste aspiring geopark (Portugal) - Silva Miguel, Torres Rute

ID 47. Geology at the service of innovation for Monts d'Ardeche's art craftsmen (France) - Nicolas KLEE, Maryse Aymes, Michel Beurrier, Camille Rouzé, Claude Vernet, Cécile Lucsko

ID 61. Project: "100% geofood hampers" (Portugal) - Alves João

**ID 196.** Souvenirs in geopark djerdap and sustainable development (Serbia) - **Mijovic Dusan** 



# DAY 3Friday, September 30th

### SESSION 6.1

### **Blue Hall**

### 14.30 - 15.45 Oral Communication

SESSION 6.1. The World after the pandemic: risks, resilience and opportunities in Geopark communities.

### Conveners: Edoardo Dellarole, Anna Chrobak

ID 113. Open spaces and footpaths, as new strategies for post-pandemic tourism in the Oeste Aspiring Geopark (Portugal) - Pereira Bruno, Silva Miquel, Serra João

ID 228. 4 (X4) Wheeled geoscience and environmental teaching becomes corona AID (Denmark) - Jakob Walløe Hansen

ID 229. English riviera UNESCO global geopark: a successful partnership model of operation - Melanie BORDER

ID 110. Memories of wars in geopark landscapes and their evolution into lands of peace (Greece) - Rassios Annie, Ghikas Dina

ID 31. Geological links to intangible cultural heritage and its use as an economic driver in sustainable and regenerative tourism. (United Kingdom) - Rice Darren

### SESSION 8.2

### Foyer 1

### 14.30 - 15.30 Oral Communication

SESSION 8.2. Sustainable heritage: developing, promoting and celebrating local products and cultures in Geoparks

#### Conveners: Jutta Weber, Alexandru Andrasanu

ID 70. Using place names in geotourism for the promotion of the Irish language (Ireland) - Thébaudeau Benjamin

ID 117. Participatory cultural heritage lab in the Oeste Aspiring Geopark (Portugal) - Silva Miguel, Bahillo Alfonso, Smaniotto Costa Carlos, Artopoulos Georgios

ID 102. The story of Idrija Žlikrofi from tradition to modernity (Slovenia) - Božic Valerija, Bajec Rupnik Urška

ID 103. Network of open eco-museums for the promotion and mild enhancement of areas with environmental history (eco. muse), a cooperation programme interreg V-A «Greece — Cyprus 2014-2020» (Cyprus) - Kazamia Evi

# DAY 3 Friday, September 30th

### SESSION 4.P

### **Restaurant Hall**

14.30 - 16.00

SESSION 4.P Geoscience: public engagement and education.

#### Young Conveners: Patricia Azevedo, Alessandra Magagna, Mikko Kiuttu

- ID 7. The social resilience of Kaohsiung Mudstone Badland Geopark: social engagement and organization (Taiwan) SU Shew-Jiuan
- ID 28. Changing landscapes in a changing world: geology and culture in sobrarbe-pirineos UGGp (Spain) Belmonte Ribas Ánchel
- ID 71. Mass tourism in the Tatra National Park challenges, management, education (Poland) Fidelus-Orzechowska Joanna
- ID 88. The plaggen soil information centre at the Lechtingen Windmill in the UNESCO Global Geopark Terra.Vita (NW Germany) Fischer Tobias, Böhme Sabine, Vennemann Ansgar, Mueller Klaus
- ID 94. Education finds a cooperation path among UNESCO territories in Cáceres Province, Spain (Spain) Cortijo Sánchez Iván, Román Durán Emilia, Barrera Martín-Meras José María
- ID 142. Disclosing structural geology: three new structural geosites in the Apuan Alps UNESCO Global Geopark (Northern Apennines, Italy) Frassi Chiara, Amorfini Alessia, Bartelletti Antonio, Ottria Giuseppe
- ID 154. Constructing a real stratigraphical column in Sierras Subbéticas UGGp (Spain) - García Jiménez Antonio, Serna Barquero Alicia, Serna Barquero Alicia
- ID 161. The experience of the "international year of cave and karst 2021" in Sesia Val Grande Geopark. (Italy) Leonoris Chiara
- ID 180. Estrela UGGp educational programs: the link between geosciences and the community (Portugal) Fernandes Magda, Castro Emanuel, Loureiro Fábio, Cezar Lucas, Santos Sara
- ID 189. Educational and tourist activities in the Maiella UNESCO Global Geopark, Italy. (Italy) Peroni Maria, Garzarella Adele, Di Martino Luciano

### SESSION 5.P

### **Restaurant Hall**

14.30 - 16.00 Poster

SESSION 5.P Geotourism: exploring good practice and challenges in Geoparks.

### Young Conveners: Tobias Fischer, Michele Guerini, Laura Hamlet

- ID 11. The role of geosites in the Geoparks: between geoconservation, dissemination and valorisation (Italy) Bentivenga Mario, Bloise Luigi, Guidetti Giammarco, Lucente Salvatore, Calabrese Egidio, Rizzo Giovanna, Prosser Giacomo
- ID 23. Art, culture and tourism, instruments to give value to places of geological interest (Spain) Betancort María Isabel
- ID 33. Promoting sustainability through cycling tourism two billion year tours cycling routes in Lauhanvuori Hämeenkangas UNESCO Global Geopark, Finland (Finland) Koivumäki Laura
- ID 37. An Introduction to Dinosaur Geotourism in Iran (Islamic Republic of Iran) Nekouie Sadry Bahram, Tavazo Zahra
- ID 38. In search of the geocaches of the Maestrazgo UNESCO Global Geopark (Teruel, Spain) Mampel Luis, Lacaba Carlos, Hernández Ángel
- ID 75. Developing Cycling Routes on Lake Saimaa, Finland (Finland) Vainikka Tuula
- ID 89. Design proposals of signage for the Villuercas-Ibores-Jara UNESCO Global Geopark (Spain) Ortega Durán Julián, Gómez Landero Carlos, Mora Díaz Antonio, De Tena Rey María Teresa
- ID 152. Geotourism in the Maiella UNESCO Global Geopark: new challenges in promoting geodiversity. (Italy) Garzarella Adele, Agostini Silvano, De Luca Violetta, Di Martino Luciano
- ID 177. Walking with science in the Estrela Geopark: an example of geotourism strategy (Portugal) Azevedo Patrícia, Branco João, Cezar Lucas, Mota Margarida, Castro Emanuel
- ID 212. Protection, restoration and enhancement of the Lesvos Petrified Forest Park: "Kyria Apolithomeni", Lesvos Island UNESCO Global Geopark, Greece (Greece) - Valiakos Ilias, Kralis Foris, Ververis Konstantinos, Bentana Konstantina, Zgournios Eftratios, Zouros Nikolaos
- ID 227. Geotourism in the Chiusella Valley (NW Italian Alps): potential for sustainable development within a marginal area (Italy) Arianna Negri, Marco Giardino, Mauro Palomba

# DAY 3 Friday, September 30th

### SESSION 7.P

### **Restaurant Hall**

14.30 - 16.00 Poster

SESSION 7.P Geoparks in the digital era: collection and best use of data and information for management and communication.

#### Young Conveners: Thuri Aradottir Braun, Emmaline Monserrat Rosado Gonsalez

- ID 16. The voice of UNESCO Global Geoparks: one more step towards Accessibility And Sustainable Development (Spain) -Martínez Martín Jesús Enrique, Ester Mariñoso Pilar, Abreu Sá Artur Agostinho, Rosado González Emmaline Montserrat
- ID 42. UNESCO Global Geoparks in Karst Areas: How to Document Underground Cavities? (France) Urien Frédéric, Justice Sophie
- ID 79. Digital geomorphological mapping in Geoparks: a pilot project in the Adamello Brenta UNESCO Global Geopark (Trentino, Italy)- Seppi Roberto, Zanoner Thomas, Carton Alberto, Mase' Vajolet, Viganò Alfio, Zumiani Matteo
- ID 100. The UGGp Ries: Preserving Geology with Drones (Germany) Lang Juergen, Pösges Gisela
- ID 111. How to explore a geopark with your smartphone (Germany) Hoffmann Gösta
- **ID 132.** Digital categorization of sites in Platåbergens UGGP, West Sweden: using an open source programme as a tool for sustainable marketING (Sweden) **Bergengren Anna, Hultman Sofia**
- ID 136. "Sticking Villuercas-Ibores-Jara UGGP everywhere: our mascot Geopaca conquers social media" (Spain) López Caballero Javier, Cortijo Sánchez Iván Cortijo Sánchez, Barrera MArtín Merás José Mª, Suárez Zabala Mario
- ID 148. New frontiers in Geotourism the role of digital tools in the Australian context (Australia) Williams Mark
- ID 157. Communication strategies to promote geological Heritage in aspiring Taburno-Camposauro Geopark (Italy) Alessio Valente, Caturano Costantino, Palazzo Pietro
- ID 163. The digital information system in the UGGp Vulkaneifel (Germany) Franzen Julia, Hoffmann Gösta, Kummer Sabine, Schüller Andreas, Decker Valeska, Grigowski Edouard

### ID 230. Geoheritage outreach and conservation: a novel use of dual purpose technology - Robbie Galvin

### SESSION 8.P

### **Restaurant Hall**

14.30 - 16.00 Poster

SESSION 8.P Sustainable heritage: developing, promoting and celebrating local products and cultures in Geoparks.

### Young conveners: Jack Matthews, Sandra Teuber

- ID 43. Integration of cultural and geological heritage in Geoparks: the examples of the comuniterrae project (Sesia Val Grande Unesco Global Geopark), (Italy) - Bollati Irene Maria, Bollati Irene Maria, Gallo Alessio, Muccignato Eliana, Pelfini Manuela, Bagnati Tullio
- ID 62. The Case of Caretos de Podence: Tourism Sustainable Practicis in Rural Areas (Portugal) Morais Antónia
- ID 106. Geofood in naturtejo UNESCO Global Geopark (Portugal) Rodrigues Joana
- ID 130. Promotion and development of GEOfood IGCP project in Iran (Islamic Republic of Iran) -Sayedyounesi Soma, Amrikazemi Alireza

### 16.00 - 17.00 PLENARY and CLOSING CERIMONY

Closing address

Guy Martini, UGGp Council General Secretary

**GGN Certificates 2022, 2021 : Evaluations and Revalidations**Nikolaos Zouros, GGN President + Guy Martini, UGGp Council
General Secretary

Wrapping up the conference achievements Marco Giardino Sesia Val Grande UGGp

Words of thanks to the volunteers and Conference staff Marco Giardino Sesia Val Grande UGGp

From the Conference to the Territory: U-Night (Night of research at Verbania)
Patrizia Balzarini and the Cobianchi High school students

EGN closing words

Sophie Justice, EGN Coordinator

## ORAL COMMUNICATIONS and POSTERS

# If Your abstract has been accepted as oral communication,

please come with your presentation on pen drive you will have at your disposal, ready to be uploaded 20 minutes before your session starting time. You will have at your disposal 10+5 (Q&A) minutes for your presentation.

### If Your abstract has been accepted as poster,

please be aware that the measure should be 70 cm W  $\times$  100 cm H. you will have 5 minutes for your poster presentation.

Please come to set up your poster in Restourant hall from 10:00 to 13:00.

## ORGANIZING AND HOSTING INSTITUTIONS









The Sesia Val Grande UNESCO Global Geopark (Regione Piemonte, Italy) offers an overview on nature and culture of some of the most attractive tourist areas of the Western Alps, from the Monte Rosa massif to the Lake Maggiore. Its geodiversity includes landforms and Earth's materials of the last 500 million years, recalling processes that formed the Alps and deformed the Earth's crust, including its deepest features. The Geopark landscapes also show an environmental record of past and present climate changes and their effects: from glaciations to global warming.

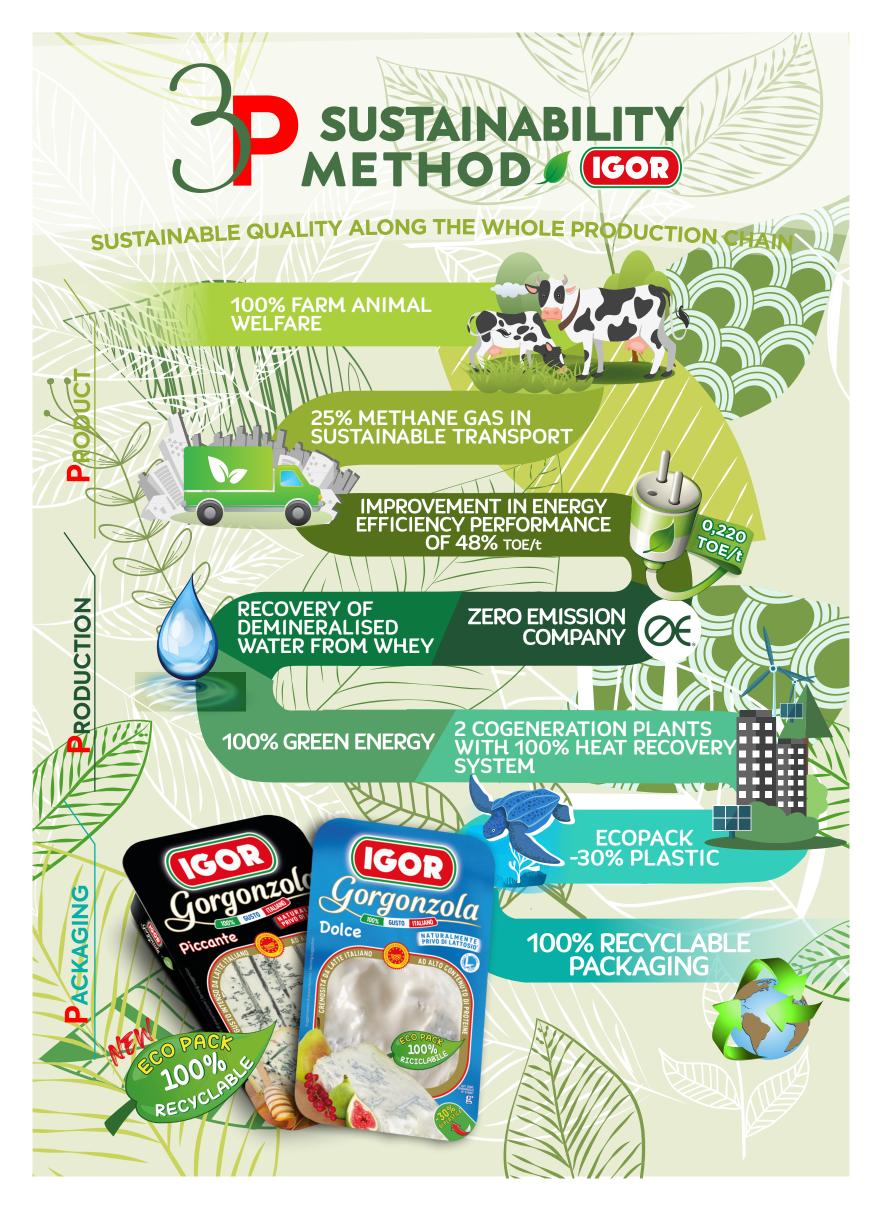
The Sesia Val Grande geoheritage is of great scientific, economic and social relevance. The Geopark motto "Where stone becomes culture" is a recognition of the importance of the local stones in the cultural landscape and architectural achievements, such as the Milan Cathedral. Moreover, the local Walser culture, from alpine people experiencing Little Ice Age (1450-1850) and having a proactive behaviour towards climate changes, gives to the geopark a sustainable perspective for enhanced tourism, public engagement and environmental educational activities.

# ORGANIZING SECRETARIAT



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