



# International Intensive Course on UNESCO Global Geoparks

## UNESCO Global Geoparks and Sustainable Management

**May 27<sup>th</sup> – June 3<sup>rd</sup> 2024**

### Programme



## **International Intensive Course on UNESCO Global Geoparks 2024**

**1<sup>st</sup> Day – Monday May 27th 2024**

**Municipal Theatre of Mytilene**

17:00 - 18:00	Registration	Registration of the participants
		<b>OPENNING CEREMONY OF THE COURSE: UNESCO Global Geoparks and Sustainable Management</b>
18:00 - 20:00	Opening Ceremony	<p><b>20<sup>th</sup> Anniversary of the Global Geoparks Network</b></p> <p><b>Welcome by the Course Director Prof. Nickolas Zouros</b> <b>Welcome by the Mayor of Mytilene Mr P. Christofas</b> <b>Welcome by the Mayor of Western Lesvos Mr T. Verros</b> <b>Welcome by the Regional Governor Mr. K. Moutzouris</b> <b>Greetings by the Rector of the University of the Aegean</b></p> <p><b>Greetings by the President of the Hellenic National Commission for UNESCO Mrs A. Tzitzikosta</b> <b>Greetings by the Head of UNESCO Earth Sciences and Geoparks Section Kristof Vandenberghe</b></p> <p><b>Opening Speech by Dr. Guy Martini, Chair of the UNESCO Global Geoparks Council</b> <b>Geoparks, Heritage and Local Communities : 20<sup>th</sup> Anniversary of a Global adventure</b></p>
		<b>Presentation of the Course</b>
		<b>Audiovisual presentation – Lesvos UNESCO Global Geopark</b>
		<b>Presentation of the GGN 20<sup>th</sup> Anniversary productions</b> <b>VIDEOS</b>
		<b>Awards to main contributors of Lesvos Geopark</b>
20:00 - 22:00	Welcome Party	

## 2<sup>nd</sup> Day – Tuesday 28<sup>th</sup> May 2024

### LECTURES (Kalloni High School Lecture Room)

Time	Tutor	Topic	Thematic	Method
	<b>UNIT 1</b>	<b>DEFINING THE GEOPARK CONCEPT</b>		
09:00-09:45	<b>Kristof Vandenberghe</b> Chief of Earth Sciences and Geoparks Section, Division of Ecological and Earth Sciences UNESCO Global Geoparks Secretariat	UNESCO Global Geoparks – The UNESCO programme on Geological heritage management and sustainable development Operation, Quality control and further development	UNESCO Global Geoparks Global Geoparks Network	Lecture
09:45-10.30	<b>Prof. Nickolas Zouros</b> University of the Aegean Lesvos Geopark Coordinator, Greece GGN President	UNESCO Global Geoparks and the Global Geoparks Network – A new strategy for the future <ul style="list-style-type: none"> <li>• GGN Structure</li> <li>• GGN Working Groups &amp; Task forces</li> <li>• GGN Activities &amp; Communication tools</li> </ul>	UNESCO Global Geoparks Global Geoparks Network	Lecture
10.30-11.15	<b>Dr. Kristin Rangnes</b> Gea Norvegica Geopark, Norway GGN Treasurer	UNESCO Global Geoparks as single, unified geographical areas. How to define Geoparks territory. Why administrative boundaries should be followed.	Geopark Management	Lecture
11.15-11.45	<b>COFFEE BREAK</b>			
11.45-13.15	<b>Dr. Guy Martini</b> UNESCO Global Geoparks Council Chair GGN General Secretary EGN Advisory Committee	How to create a successful Geopark?	UNESCO Global Geoparks Global Geoparks Network	Workshop
13.15- 14.00	<b>Panel Discussion of the participants with the UNESCO and the GGN Executive Board Members</b>	<b>THEME:</b> Defining a Geopark: Territory, Management, Challenges	UNESCO Global Geoparks Global Geoparks	Workshop

			Network	
14:00-15:00	<b>Lunch break</b>	<b>Geopark Gastronomy</b> With traditional food from Women Cooperatives		
	<b>UNIT 2</b>	<b>GEOPARKS NETWORKING</b>		
15:00-15:45	<b>Dr. Charalambos Fassoulas</b> Psiloritis Geopark President, Greece EGN Vice-Coordinator	Regional Geoparks Networks The European Geoparks Network: Operation - Working Groups and Common Projects	Regional Geoparks Networks	Lecture
15:45-16:30	<b>Kana Furushawa</b> Japanese Geoparks Network General Secretary, Japan GGN Executive Board APGN Vice-Coordinator	National Geoparks Networks The Japanese Geoparks Network – Operation and activities	National Geoparks Networks	Lecture
16:30-17:10	<b>Driss Achbal</b> M’Goun Geopark President, Morocco GGN Executive Board African Geoparks Network Vice-Coordinator	The importance of participation in the International Conference on UNESCO Global Geoparks Organization - Conference Events - Communication: Challenges and Opportunities	Global Geoparks Networking	Lecture
17:10-18:30	<b>Panel Discussion of the participants with the UNESCO and the GGN Executive Board Members</b>	<b>THEME:</b> UNESCO Global Geoparks – Why Networking among Geoparks is essential for Geopark building and successful operation	Global Geoparks Networking	Workshop
18.30		Return to Hotel - Free time		

**3<sup>rd</sup> Day – Wednesday 29 May 2024**  
**LECTURES (Kalloni High School Lecture Room)**

Time	Tutor	Topic	Thematic	Method
	<b>UNIT 3</b>	<b>GEOPARKS AND GEOLOGICAL HERITAGE</b>		
09:00-9:45	<b>Dr. Asier Hilario</b> Basque Coast Geopark Scientific Coordinator, Spain IUGS representative in GGN Executive Board and UGGp Council	Earth Heritage assessment for “International geological significance” in UNESCO Global Geoparks. The procedure and the template	UNESCO Global Geoparks – Geological heritage	Lecture
9.45-10:30	<b>Prof. Xiaochi Jin</b> Chinese Academy of Geological Sciences, China GGN Vice-President APGN Coordinator	Geopark management structure and the role of Geoscientists to support Geoconservation, Geological heritage interpretation, Education and Promotion	UNESCO Global Geoparks Managment	Lecture
10.30-11.15	<b>Prof. Ibrahim Komoo</b> Langawi Geopark Scientific Advisor, Malaysia GGN Vice-President APGN Vice-Coordinator	Geological heritage management and Geoparks contribution in sustainable development	UNESCO Global Geoparks - Geodiversity management	Lecture
11:15-11:45	<b>COFFEE BREAK</b>			
11.45-13.00	<b>Panel discussion with participants, the UNESCO and the GGN Executive Board members</b>	<b>THEME:</b> UNESCO Global Geoparks host sites and landscapes of international geological significance managed with a holistic concept of protection, education, research and sustainable development.		
13:00-14:00	<b>LUNCH BREAK</b>	<b>Geopark Gastronomy</b> With traditional food from Women Cooperatives	Local Women Cooperatives	

	UNIT 4	GEOPARKS AND SUSTAINABILITY		
14.00-14:45	<b>Dr. Jutta Weber</b> Bergstrasse-Odenwald UNESCO Global Geopark Director, Germany Chair of the GGN WG on SDG's	UNESCO Global Geoparks and SDG's A road map on sustainable management Geopark Management plan, SDG projects and result monitoring	UNESCO Global Geoparks and SDG's	Lecture
14.45-15.30	<b>Panel Discussion with participants UNESCO and GGN Executive Board members</b>	<b>THEME:</b> UNESCO Global Geoparks and sustainability	UNESCO Global Geoparks and SDG's	Workshop
	UNIT 5	GEOPARKS : HERITAGE – LOCAL PRODUCTS AND SOCIAL INVOLVEMENT		
15.:30-21:30	<b>FIELD TRIP TO THE VOLCANIC FEATURES OF THE NORTHERN LESVOS</b> <b>The Lepetymnos volcano and the geological and cultural heritage of North Lesvos</b>			FIELD TRIP
15.30		Departure to Petra		
16:00-18:00	<b>LESVOS Geopark Team</b>	Visit Petra village Volcanic neck of Petra and Sweet kissing Madonna Church Agios Nikolaos 16 <sup>th</sup> century basilica	Geological & Cultural Heritage in UNESCO Global Geoparks and Tourism	
18:00-20:00	<b>LESVOS Geopark Team</b>	Departure to Molyvos Coffee break - Enjoy the sunset from Molyvos castle		
		Visit Molyvos castle – The Lepetymnos volcano observatory	IN GROUPS	
20:00-21:30		Dinner in Vafios Traditional Tavern		

**4<sup>th</sup> Day – Thursday 30<sup>th</sup> May 2024**  
**MYTILENE - UNIVERSITY OF THE AEGEAN**

Time	Tutor	Topic	Thematic	Method
08.30-09.20		Departure from Kalloni – Arrival at the University of the Aegean		
	<b>UNIT 6</b>	<b>GEOPARKS OPERATION AND QUALITY ASSESMENT</b>		
09:30-10:15	<b>Dr. Marie-Luise Frey</b> GGN Executive Board UGGp Council GGN IM, Germany	Territories with multiple UNESCO designations. World Heritage Sites, MAB's and Global Geoparks: Challenges and Opportunities	UNESCO Global Geoparks - Multiple site designations	Lecture
10:15-11.00	<b>Prof. Artur Sá</b> Arouca Geopark scientific Coordinator, Portugal UNESCO Chair on Geoparks, sustainable development and healthy lifestyles GGN Executive Board	The Geopark Management Body and its activities - Assessing the operation of a UNESCO Global Geopark What we expect from Geopark evaluation/revalidation and how should be done?	UNESCO Global Geoparks	Lecture
11.00-11.30	<b>COFFEE BREAK</b>			
11:30-12.30	<b>Panel Discussion with participants</b> <b>UNESCO and GGN Executive Board members</b>	<b>THEME: UNESCO Global Geoparks: Evaluation and Revalidation Exercise.</b> <b>Why Quality matters in all fields of Geopark operation?</b>	UNESCO Global Geoparks	Workshop
	<b>UNIT 7</b>	<b>GEOPARKS BUILDING AND OPERATION</b>		

		CHALLENGES AND OPORTUNITIES		
12.30 -13.30	Participants presentations	<b>WORKSHOPS - PART 1</b> Coordinators ROOM 1 : Guy Martini –John Calder - Driss Achbal ROOM 2: Xiaochi Jin – Marie Luise Frey – Alireza Amrikazemi ROOM 3: Setsuya Nakada -Artur Sa –Jianping Zhang ROOM 4: Ibrahim Komoo - Alexandru Andrassanu – Kana Furusawa	Our Geopark, our geo-identity, our functioning & sustainable development projects	SPLIT IN 4 GROUPS
13:30-14:30	LUNCH BREAK	<b>Geopark Gastronomy</b> Traditional food from Women Cooperatives		
14:30-16:00	Participants presentations	<b>WORKSHOPS – PART 2</b>	Our Geopark, our geo-identity, our functioning & sustainable development projects	SPLIT IN 4 GROUPS
16:00-16:30	COFFEE BREAK			
16:30 -18.00	Panel discussion with participants and GGN Experts	<b>THEME : Geopark Management Body, Staff and Budget</b>	Geopark Management	Workshop
18.00		Return to Hotel		



**5<sup>th</sup> Day – Friday 31st May 2024**  
**LECTURES (Kalloni High School Lecture Room)**

Time	Tutor	Topic	Thematic	Method
	<b>UNIT 8</b>	<b>GEOPARK THEMATIC ACTIVITIES AND COLLABORATION</b>		
09:00-09:45	<b>Prof. Jianping Zhang</b> China University of Geosciences Beijing, China GGN Executive Board	Geoparks collaboration and the role of Universities Examples of best practice		Lecture
09.45 -10.30	<b>Prof. Setsuya Nakada</b> Japanese Geoparks Commiittee Chair UGGp Council Vice-Chair GGN Advisory Committee Chair	Geoparks and Natural Hazards. Raising awarness and support disaster mitigation Examples of good practice		Lecture
10.30-11.15	<b>Dr. John Calder</b> Cliffs of Fundy Scientific Advisor, Canada GGN Executive Board	Geoparks and indigenous people	Geoparks & Indigenous people	Lecture
11.15-11.45	<b>Coffee break</b>			
11:45-12:30	<b>Prof. Alexandru Andrassanu</b> University of Bucharest Hateg Country Geopark Coordinator, Romania UGGp Council Member	Geoparks and Intangible Heritage	Geoparks & Intangible Heritage	Lecture
12:30-13:15	<b>Dr. Alireza Amrikazemi</b> UGGp Council Member	Geoparks Gastronomy: a new initiative for UNESCO Global Geoparks- Local community involvement	Geoparks Gastronomy	Lecture

	Iranian Geoparks Coordinator GGN Advisory Committee			
13:15-14:00	<b>Konstantina Bentana</b> Head of the Education and Communication Section of the Natural History Museum of the Lesvos Petrified Forest Lesvos Geopark, Greece	International Networking and Collaboration in raising public awareness on Geoconservation. The National Thematic School Network on “UNESCO Global Geoparks” and the Educational activities in Lesvos Geopark. How to transfer SDG topics to children?	Geoparks and Educational activities	Lecture
14:00-15:00	<b>Lunch break</b>	<b>Geopark Gastronomy</b> With traditional food from Women Cooperatives		
15:00-16:00	<b>Panel Discussion with participants UNESCO and GGN Executive Board members</b>	<b>THEME: How to reach population involvement inside a Geopark?</b>	UNESCO Global Geoparks & Sustainable Development Goals	Workshop
	<b>UNIT 9</b>	<b>GEOPARKS – GEOLOGY – LOCAL PRODUCTS AND SOCIAL INVOLVEMENT</b>		
16.00-19.00	<b>FIELD VISIT Geoparks and Community Initiatives – The Anemotia Volcano Community Cooperative Association as a case study</b>			
16:00-16:30	<b>Lesvos Geopark Team</b>	The Anemotia volcanic center	Geoparks and Sustainable Development	Field Trip
16:30-17:00		The project for the transformation of a degraded grassland to a productive vineyard		
17:00-18:00		Visit the winery of Anemotia Volcano – Wine tasting		
18:00-19:00	<b>Panel Discussion with participants, UNESCO and GGN Executive Board members</b>	<b>Geoparks and Communities involvement Geoparks and Communities re-generation</b>		Workshop
		Return to hotel		

**6<sup>th</sup> Day – Saturday 1st June 2024**  
**Field Trip to the Lesvos Petrified Forest**

Time	Tutor	Topic	Thematic	Method
	<b>UNIT 10</b>	<b>GEOPARKS : GEOCONSERVATION AND TERRITORIAL HERITAGE MANAGMENT</b>		
08:30-10:00	<b>Prof. Nickolas Zouros</b> University of Aegean, Greece <b>Dr. Ilias Valiakos</b> Dep. Director of the Natural History Museum of the Lesvos Petrified Forest, Greece	The Lesvos Miocene Volcanoes: <ul style="list-style-type: none"> <li>• Miocene volcanics and Volcanoes</li> <li>• the Vatousa caldera, the post caldera domes and hydrothermal activity</li> <li>• Pyroclastic avalanches, lachars, ash fall layers and palaeosoils.</li> </ul>	Geodiversity management in Geoparks	FIELD TRIP
10:00-11:30	<b>Lesvos Geopark Team</b>	The Lesvos Petrified Forest: Creating an open air Museum along the Kalloni - Sigri road A major Geo-Conservation project : methods and protection	Geodiversity management in Geoparks	FIELD TRIP
11.30-12:00	<b>Refreshment break</b>			
12:00-13.20	<b>Lesvos Geopark Team</b>	The Lesvos Petrified Forest Park Geological heritage protection and management Accessability of geological heritage sites and disabled people	Geodiversity management in Geoparks	FIELD TRIP
13:20	<b>Departure to the Natural History Museum of the Lesvos Petrified Forest</b>			
13:30-14:30	<b>Lunch break</b>	<b>Geopark Gastronomy</b> Short lunch prepared by the Mesotopos Women Cooperative of Lesvos	Local Women Cooperatives	Lunch break
14:30-16:00	<b>Panel Discussion with participants</b> <b>UNESCO and</b>	THEME: UNESCO Global Geoparks Geoconservation and territorial heritage management	UNESCO Global Geoparks	Workshop

	<b>GGN Executive Board members</b>		Global Geoparks Network	
16:00-16:30	<b>Coffee break</b>	Coffee break and traditional sweet tasting prepared by the Women Cooperatives of Lesvos		
16:30-17:30	<b>The Lesvos Geopark Team</b>	The Natural History Museum of the Lesvos Petrified Forest – Guided Visit to Museum Exhibitions	Guided tour	IN GROUPS
17:30-18:00	<b>Dr. Ilias Valiakos</b> Dep. Director of the Natural History Museum of the Lesvos Petrified Forest, Greece	The Natural History Museum of the Lesvos Petrified Forest – a green Geopark infrastructure	Geopark Museum - SDG's Connection	
18.00		Departure to hotel Free time		

**7<sup>th</sup> Day – Sunday 2nd June 2024**  
**KALLONI GULF WETLANDS - ANTISSA – NISSIOPI**  
**Field Trip - Workshop – Field Trip**

Time	Tutor	Topic	Thematic	Method
	<b>UNIT 11</b>	<b>GEPARKS AND BIODIVERSITY</b>		
09:00-11:00	<b>Lesvos Geopark Team</b>	Wetlands of Kalloni Gulf Kalloni Environmental Information Center	Fieldtrip	IN GROUPS
	<b>UNIT 12</b>	<b>GEPARKS BUILDING AND OPERATION CHALLENGES AND OPORTUNITIES</b>		
11.00-13.30	<b>Participants presentation</b>	<b>WORKSHOPS</b> - PART 1 Coordinators ROOM 1 : Guy Martini –John Calder - Driss Achbal ROOM 2: Xiaochi Jin – Marie Luise Frey – Alireza Amrikazemi ROOM 3: Setsuya Nakada -Artur Sa –Jianping Zhang ROOM 4: Ibrahim Komoo - Alex Andrassanu – Kana Furusawa	Our Geopark, our geo-identity, our functioning & sustainable development projects	SPLIT IN 4 GROUPS
13.30-14.30	<b>Lunch break</b>	Lunch		
14.30-16.00	<b>Participants presentation</b>	<b>WORKSHOPS</b> - PART 2		
16.00-17.00	<b>Panel discussion with GGN Experts and Participants</b>	THEME: Geoparks Management, Partnerships, Collaborations and Local networks		
	<b>UNIT 13</b>	<b>GEPARKS AND GEOTOURISM IN COASTAL AREAS</b>		
17.00-19.00	<b>Lesvos Geopark Team</b>	Field trip into NISSIOPI islet Outdoor activities in Lesvos UNESCO Global Geopark		IN GROUPS
19.00-21.00		Dinner		

**8<sup>th</sup> Day – Monday 3rd June 2024**  
**Field Trip & University of the Aegean**

Time	Tutor	Topic	Thematic	Method
08:30-09:20	Departure from Kalloni – Arrival at the University of the Aegean			
09:20	<b>University of the Aegean – Department of Geography</b>			
	<b>UNIT 14</b>	<b>GEOPARKS AND UNIVERSITY RESEARCH</b>		
09:30-10:15	<b>Prof. Thanasis Kizos</b> University of the Aegean Head of the Department of Geography	UNESCO Global Geoparks Sustainable Tourism, Rural Development and Local Products	Geoparks and Sustainable Development	Lecture
10:15-11:00	<b>Prof. Nikolaos Soulakellis</b> University of the Aegean Head of the Board of the Natural History Museum of the Lesvos Petrified Forest	Geoheritage mapping in UNESCO Global Geoparks 3D mapping and applications	New tools in Geoheritage management	Lecture
11:00-11:30	<b>Coffee Break</b>			
	<b>UNIT 15</b>	<b>COURSE ASSESMENT</b>		
11:30-13:30	<b>Participants and GGN Executive Board Members</b>	Intensive Course Evaluation Closing ceremony	Course Assessment	In Groups
13:30-14:30	<b>Lunch</b>	In a restaurant close to the airport of Mytilene		Lunch
14:30		<b>Departure of the Participants to Mytilene Airport for the Flight departing at 16 from</b>		

		<b>Mytilene to Athens</b>		
16.30		<b>Visit Mytilene city and rest in PLAZ Beach bar Departure to Hotel</b>		
19:00		<b>Departure of the Participants to Mytilene Airport for the Flight departing in the evening from Mytilene to Athens</b>		

# **International Intensive Course on UNESCO Global Geoparks 2024**

## **Lesvos island UNESCO Global Geopark, Greece**

### **INVITED LECTURERS**

**Kristof Vandenberghe**

Chief of Earth Sciences and Geoparks Section

UNESCO Global Geoparks Secretariat

**Dr. Guy Martini**

UNESCO Global Geoparks Council Chair,

GGN General Secretary, European Geoparks Network AC Member

**Prof. Ibrahim Komoo**

University Malaysia Terengganu (UMT), Malaysia

GGN Executive Board Vice-President, APGN Vice-Coordinator

**Prof. Xiaochi Jin**

Chinese Academy of Geological Sciences, P.R.China

GGN Executive Board Vice-President, APGN Coordinator

**Dr. Kristin Rangnes**

Director of Gea Norvegica UNESCO Global Geopark, Norway

GGN Treasurer, European Geoparks Network AC Member

**Prof. Jianping Zhang**

China University of Geosciences, Beijing,

GGN Executive Board



**Prof. Setsuya Nakada**

Volcano Research Center, University of Tokyo, Japan

GGN Advisory Committee Chair

UNESCO Global Geoparks Council Vice-Chair

**Prof Artur Agostinho de Abreu e Sá**

University of Trás-os-Montes e Alto Douro, Portugal

UNESCO Chair on Geoparks, Sustainable Regional Development and Healthy Lifestyles

GGN Executive Board

**Dr. Marie-Luise Frey**

UNESCO Global Geoparks Council Member

GGN Executive Board

**Dr. Jutta Weber**

Managing Director UNESCO Global Geo-Naturpark Bergstraße-Odenwald

Speaker of German UNESCO Global Geoparks Forum

GGN WG Sustainable Development Goals

**John Calder**

Cliffs of Fundy UGGp Scientific Advisor, Canada

GGN Executive Board

**Driss Achbal**

M'Goun UNESCO Global Geopark Coordinator, Morocco

GGN Executive Board

**Kana Furusawa**

Secretary of the Japanese Geoparks Network

GGN Executive Board, Asian Pacific Geoparks Network Vice-Coordinator

**Prof. Alexandru Andrassanu**

Hateg UGGp Coordinator, Romania  
UNESCO Global Geoparks Council Member

**Dr. Asier Hilario**

Basque Coast UNESCO Global Geopark, Spain  
IUGS Geoheritage Committee Chair

**Dr. Charalampos Fassoulas**

Psiloritis UNESCO Global Geopark, Greece  
EGN Vice-Coordinator, Hellenic Geoparks Forum Chair,  
UNESCO Global Geopark Council Member

**Dr. Alireza Amrikazemi**

Geoparks National Committee of Iran  
UNESCO Global Geoparks Council Member  
GGN WG Gastronomy

**Prof. Thanasis Kizos**

University of the Aegean, Department of Geography  
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**Prof. Nikolaos Soulakellis**

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**Dr. Ilias Valiakos**

Dep. Director of the Natural History Museum of the Lesvos Petrified Forest

Lesvos UNESCO Global Geopark Vice-Coordinator,  
European Geoparks Network AC Member, Hellenic Geoparks Forum Vice-Chair,

**Msc Konstantina Bentana**

Head of the Education and Communication Section of the Natural History Museum of the Lesvos Petrified Forest.  
International Institute on Geoparks Development (IIGED) University of the Aegean

**COURSE DIRECTOR:**

**Prof. Nickolas Zouros**

University of Aegean, Greece

UNESCO Chair on Geoparks and the sustainable development of insular and coastal areas

Natural History Museum of the Lesvos Petrified Forest Director, Lesvos UNESCO Global Geopark Coordinator

GGN President

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## **UNESCO Global Geoparks and Sustainable Management**

### **CONTRIBUTORS**

**UNESCO**

**Global Geoparks Network**

**Region of North Aegean**

**West Lesvos Municipality**

**Mytilene Municipality**

**University of the Aegean**

**Natural History Museum of the Lesvos Petrified Forest**