

GGN - Geopark Annual Report 2021

1. GEOPARK IDENTITY

Geopark name, country, regional Network: Grevena Kozani UNESCO Global Geopark, Greece, European Geoparks Network

Year of inscription / Year of the last revalidation: 2021 / 2021



Study visit (04/12/2021) in Grevena Kozani UGGp from Erasmus Student Network (ESN) organised by University of Piraeus in collaboration with ANKO, co-ordinator of the Geopark

2. GEOPARK FIGURES

Number of Geopark staffs: 7 staffs including 4 geoscientists

Number of visitors: Due to Covid traveling restrictions within Greece and restrictions placed in summer for massive wildfires, visitation to the Geopark region was not allowed. With short easing of these restrictions, the number of visitors can only be estimated at ~300, with about 20 visiting the main information center.

Number of Geopark events: 6 main the events held by management body and cooperative organization as following:

1	09.07.2021	Excursion, Minister of Environment & Energy, Vice Minister of Tourism, local officials, Portitsa Geowonder Site, Spilaion Village, Paleontological Museum of Milea, ~20 participants
2	26.07.2021	Evening Liturgy with programme about Geopark Grevena-Kozani, St. Panteleimon Chapel, Mesiano Nero Valley, ~70 participants
3	22.07.2021	Symposium in partnership with National Park of Northern Pindos, "Protecting Biodiversity Within the National Park of Northern Pindos"
4	18.08.2021	Meeting with Geopark stakeholders of Deskati to discuss continuing collaboration and promotion of activities.
5	19-20.11.2021	University of Patras Geology Department field excursion, Introduction to Tectonics; 57 participants
6	04.12.2021	Erasmus+ / University of Piraeus field excursion, Paleontological Museum of Milea, Paleokastro Geoheritage Site, Trabantzio Historic Site and Exhibits, Siatista, Poulkos Manor, Siatista: 53 participants

Number of school classes realize Geopark educational programmes: Covid restrictions did not allow physical participation of school classes.

Number of Geopark press release: 6

3. GEOPARK ACTIVITIES

Major achievements in 2021

Publications (submitted or published in 2021) concerning the Geopark Area and regional geoheritage:

- Rassios, A., Grieco, G., 2021. Is Geoheritage a "Cutting-Edge" Science? Promotion of an Extension to the Definition of Geoheritage with emphasis as a Significant Discipline in Geosciences with Cultural and Societal Relevance. *in* Wakabayashi, J., and Dilek, Y., eds., Plate Tectonics, Ophiolites, and Societal Significance of Geology: A Celebration of the Career of Eldridge Moores: Geological Society of America Special Paper 552, p. 1–20, [https://doi.org/10.1130/2021.2552\(04\)](https://doi.org/10.1130/2021.2552(04))
- Rassios, A.E., Ghikas, D., Batsi, A., Koutsovitis, P., Tzamos, E., Dilek, Y., 2021, Internal lithospheric rotation at the initiation of intra-oceanic rift-drift: An example of proto-transform

- tectonics from the Vourinos Ophiolite, Greece, *in* Wakabayashi, J., and Dilek, Y., eds.: A Celebration of the Career of Eldridge Moores: Geological Society of America Special Paper 552, p. 1–20, [https://doi.org/10.1130/2021.2552\(04\)](https://doi.org/10.1130/2021.2552(04))
- Ghikas Dina and Rassios Anne, published 2021. A Billion Years of History within the Grevena-Deskati Watershed. *Bulletin of the Geological Society of Greece* V. 54, accepted 2019, <http://dx.doi.org/10.12681/bgsg.19767>
 - A. Rassios, E. Tzamos, Y. Dilek, M. Bussolesi, G. Grieco, A. Batsi, P.N. Gamaletsos. (Accepted 2020, in print 2021) A structural approach to the genesis of chrome ores within the Vourinos ophiolite (Greece): Significance of ductile and brittle deformation processes in the formation of economic ore bodies in oceanic upper mantle peridotites. *Ore Geology Reviews* 125 (2020) 103684. 25 pp.
 - Caplan, C., Gildersleeves, H., Harding, A., Harris, B., Johnson, B., Kershaw, J., & Maltby, M. (2019; in print 2020). Geology of the Northwestern Krania Basin. *Bulletin of the Geological Society of Greece*, 54(1), 113-143, <http://dx.doi.org/10.12681/bgsg.19375>
 - Wong, K., Draper, K., Feng, L., Hawkins, P., Oakley, S., & Zheng, X. (2019). The geology of Mount Orliakas and the Pindos Ophiolite, Greece.. *Bulletin of the Geological Society of Greece*, 54(1), 144-177, <https://doi.org/10.12681/bgsg.19376>
 - Anne Ewing Rassios, Dina Ghikas, Yildirim Dilek, Agni Vamvaka, Anna Batsi, Petros Koutsovitis (2020). Meteora: a Billion Years of Geological History in Greece to Create a World Heritage Site. *Geoheritage* 12:83, <https://doi.org/10.1007/s12371-020-00509-9>
 - Anne Ewing Rassios, A. Krikeli, Y. Dilek, C. Ghikas, A. Batsi, P. Koutsovitis, J. Hua, 2022. The Geoheritage of Mount Olympus: Ancient Mythology and Modern Geology. *Geoheritage* 14:15. <https://doi.org/10.1007/s12371-022-00649-0>

Contribution towards GGN - Networking and participation

- Participation in on-line event welcoming 8 new Geoparks into the GGN, including Geopark Grevena-Kozani, 21/04/2021
- Attended DIGITAL 9th International Conference on UNESCO Global Geoparks held in Jeju, Republic of Korea, from December 12th to 16th, 2021, with presentation
- Attended EGN Online meeting Papuk Geopark with presentation
- EGN Geopark Thematic text and representative photos submitted, 31/10/2021
- Participation in EGN Geopark Week, 9/7/2021 – 28/7/2021
- WEBINAIR Presentation for UNESCO Geopark Grevena - Kozani, In online conference on “Get to Know the new UNESCO Geoparks” organized by Kefalonia-Ithaca Geopark, 25/05/2021
- WEBINAIR Presentation for UNESCO Geopark Grevena – Kozani, Online conference on “Conservation and evolution of the Geosites of the Geopark Grevena-Kozani” in the

conference “Geography in a changing world“ hosted by the Department of Geography of the University of the Aegean, 04/06/2021

- Participation in Conference for Oenotourism in West Macedonia, “Wine Tourism and Synergies With Other Forms of Thematic Tourism”, 12-14.11.2021

Management and Financial Status

- Appointment of representatives in GGN & EGN delegations
- Participation in the Memorandum of Co-operation among Ministry of Environment & Energy of Greece, Natural Environment & Climate Change Agency and Hellenic Geopark Forum of UGGp
- Communication with Managing Authority of the Regional Operational Programme 2021 - 2027 of W. Macedonia Region concerning the planning and management of the implementation of Integrated Territorial investment (ITI) in Grevena Kozani UGGp in the new Programme Period
- Communication with the Vice Governors of Regional Units of Grevena and Kozani concerning the appointment of specific budget for the needs of the Geopark in their annual official budget lines
- Preparation of proposal to be submitted to the Natural Environment & Climate Change Agency for funding activities in the Geopark

Geoconservation

- GEOSITE locations and descriptions, Geowonder Destinations, and printable PDF tour guides uploaded to website, <https://www.geoparkgrevenakozani.com/2021/01/geosites.html>
- GEOSITE “stories” and photos on social media platforms and 12 Geo-science oriented groups for 72 Geosites: over 7000 responses

Sustainable tourism (Geotourism)

- Many Happy Returns:
<https://www.geoparkgrevenakozani.com/2021/01/many-happy-returns-safety-guide-for.html>
- Virtual tour:
<https://www.geoparkgrevenakozani.com/2021/02/the-story-of-geopark-grevena-kozani.html>

New education programmes on geoconservation, sustainable development and disaster risk reduction

- New Geologic program for Lower Schools in partnership with National Park of Northern Pindos.
- Thematic workshops on Christmas traditions relating to Geo-environment
- Preservation, scanning, and collection of historic photographs of geology and social impact of the 6.9 magnitude earthquake within the Geopark in 1995.

Strategic partnership

- National Park of Northern Pindos
- Ministry of Environment and Energy / Natural Environment & Climate Change Agency

Promotional activities

- Philoxenia Expo 2021, 36th International Tourism Exhibition, Thessaloniki: Geopark information (promo videos, printed materials, on-site geopark member) viewed by over 10,000 visitors

4. CONTACTS

Manager: Anastasios Sidiropoulos, tsidiropoulos@anko.gr , geoparkgrevenakozani@anko.gr

Geologist: Dr Annie Rassios, rassannie@gmail.com