



### **In this issue:**

Geology in Summer for all in Naturtejo Geopark  
Maps Nature: Art & Nature in Idanha-a-Nova  
Egitania Olive oil - Geoproduct and new GEOfood partner  
...and more!

# **CRUZZIANA**

**NATURTEJO UNESCO GLOBAL GEOPARK - E-MAGAZINE**







# MONTHLY ACTIVITIES



**August - Egitania Olive oil - New GEOfood partner .** Egitania Olive oil, produced by Real Idanha, is now Geoproduct of Naturtejo Geopark and partner of the international brand GEOfood! This Extra Virgin Olive Oil is organically produced in traditional dryland olive groves, located in Idanha-a-Velha, at the foot of the geomonument Inselberg of Monsanto.

The main focus of this project is the recovery of abandoned olive groves and their impoverished soils, through the conservation and rehabilitation of the agricultural system. Flocks of sheep of native breeds of Merino da Beira Baixa and Merino Negro feed on the olive trees' shoots, controlling the growth of these branches and manuring the soil, thus avoiding the need to use aggressive machinery or fertilizers. The olive oil is produced organically, from traditional Beira Baixa varieties, such as Galega, Bical from Castelo Branco and Cordovil from Castelo Branco, well adapted to the region's soils and climate. On the other hand, rainfed production depends only on rainwater, promoting greater environmental and climate resilience.

The olive harvest is done manually and its milling is done 24h later, with cold extraction in order to obtain the best flavours and nutritional values.

Egitania Olive Oil is produced since 2014 and is sold in shops in the region, being mostly exported to Germany, Switzerland, England, Luxembourg and Denmark.





**August 1st to 4th - New visit of the photographer Jesus Salazar.** The Venezuelan photographer Jesus Salazar is back to Naturtejo Geopark territory. This short visit allowed him to conclude the images for the Discover Geopark videos that he is developing. The photographer living in Madrid made new images in Portas de Almourão Geomonument and took the opportunity to photograph the city of Castelo Branco, which he appreciates so much.



**August 3rd - Geology in the Summer for all.** August was a month full of Living Science in the Summer initiatives, promoted by Living Science Forest Center and Naturtejo Geopark in partnership and started with "Fossils of Penha Garcia". A group of kids and adults walked the Fossils Trail, with Joana Rodrigues and Marta Palhim, Living Science Forest Center's monitor, in a lively walk that also passed by the Medieval Castle, the House of Fossils and the water mills. Along the way they observed and interpreted the traces of the ancient ocean that once existed in the region allowing us to tell their story today.





**August 4th - Gonçalo Pereira on holidays at Naturtejo Geopark.** Gonçalo Pereira is the editor of National Geographic Portugal magazine and his family is from Montes da Senhora, in Proença-a-Nova. During his holidays, Gonçalo Pereira chose to visit Portas de Almourão geomonument, accompanied by Carlos Neto de Carvalho and the leaders of the Association for the Development of Sobral Fernando. It was a relaxing morning spent in some of the most spectacular places of this site of great geological relevance for Naturtejo Geopark.



**August 6th - Geology in Summer brings Gold from Portas de Almourão.** The activity "Gold from Portas de Almourão" is always one of the most sought after activities of Living Science in summer. This year was no different and, despite the contingencies imposed by the pandemic situation, the registrations were sold out in a few hours. Marta Palhim and Miguel Manso, monitors from the Living Science Forest Center, invited the participants to put on the miners boots and try out ancient gold exploration techniques, on the banks of the Ocreza river (Sobral Fernando), where traces of mining are still visible today.





**August 21st and 22nd - Guided tours in Barrocal Park continue to attract interest.** Another weekend with guided tours to Barrocal Park, with three intense activities. In total, 39 visitors made the visit with Carlos Neto de Carvalho, despite the temperatures around 36°C. Barrocal Park, in the heart of Castelo Branco, is the granite expression of a diverse nature, attractive to any look.



© CCV Floresta

**August 26th - Geology, landscape and biodiversity, from Buraca da Moura to Cruz do Alto.** One of the novelties in Living Science in Summer 2021 was the activity "From Buraca da Moura to Cruz do Alto", in Chão de Galego (Proença-a-Nova). Participants were challenged to a hiking adventure in Talhadas Mountain, passing by the geosite Buraca da Moura in Chão de Galego, by the Cortiçada Art Fest's work "Farol dos Ventos" (Winds Lighthouse), by Cruz do Alto and the recent watchtower, designed by the internationally known architect Siza Vieira.

The group, guided by Marta Palhim, monitor of the Living Science Forest Center, was surprised by the presence of a young griffon vulture trapped in the balcony of the upper terrace of the Watchtower. SEPNA (Nature and Environment Protection Service) was quickly called and the bird was rescued and released.





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**August 27th - Walking through "Secrets of Vale Mourão".** In another Living Science in Summer activity the 'Secrets of Vale Mourão' were unveiled, in an exciting journey through time that included fossils from the Palaeozoic, folded rocks, collision of tectonic plates, traces of the last glaciation, ancient Roman mines and gold miners. Vale Mourão is an impressive gorge carved by the Ocreza River dividing Talhadas Mountain into two powerful quartzite ridges. The activity was led by Marta Palhim and Cláudia Henriques, both monitors from the Living Science Forest Center.



© Idalécio Francisco | Mapas Natureza

**August 27th to 29th - Art and Nature in Idanha-a-Nova.** The first edition of Maps Nature took place in Naturtejo UNESCO Global Geopark, with activities open to the public in the municipality of Idanha-a-Nova. The programme included several nature activities with highlights to the Bandua + Dona Idalina + Tiago Pereira show, at the outdoor auditorium of Raiano Cultural Centre, and the Lula Pena concert, next to Penha Garcia Castle. Promoted by Destinature, Maps Nature is a network programming project that brings concerts, collaborative creation, installations, documentaries, picnics, performative walks and other activities to a set of 10 Portuguese destinations, in an encounter between nature, communities and the arts.

At the outdoor auditorium of Raiano Cultural Centre, in Idanha-a-Nova, there was a screening of the mini documentary series People-Maps at 9.30 p.m., followed by the concert of Bandua + Dona Idalina + Tiago Pereira at 10 p.m.

On Saturday, the activities travelled to Penha Garcia: Gustavo Ciríaco + Gonçalo Lopes (Installation, 11am), Street Play (3pm), Conversation (Lapa, 5pm) and a concert by Lula Pena (by the Castle, 9.30pm).



The event ended on Sunday at the reservoir of the Marechal Carmona Dam. The programme included a walk with Patrícia Martins + Adufeiras from Idanha-a-Nova (10.30am), a picnic (12 noon), Helder's Games (12.30pm) and Mystery Box Adventures (2.30pm), a series of nature sports and games for the whole family. Maps Nature is co-financed by the European Regional Development Fund (ERDF), through CENTRO2020 - Regional Operational Programme for the Centre, and also has the support of the Municipality of Idanha-a-Nova and Naturtejo, EIM.

**August 29th - Tourist programs at Naturtejo Geopark are back.** The tourist programs by Naturtejo Geopark are back after a long period in which it was not possible to structure organized visits. And it started very well, with a group of 40 senior people, from Guimarães Viagens Travel Agency. The group visited the Historical Villages of Monsanto and Idanha-a-Velha, and also Penha Garcia, guided by Paulo Barata.



# IMPACT OF GEOPARK IN MEDIA



## TV & Radio

August 25th (Radio Cova da Beira) – 'Maps Nature' in Idanha-a-Nova

August 25th (Antena 3 Radio) - 'Maps Nature' in Idanha-a-Nova

## Newspapers & www

August (Thingstodopost.org) - The 6 Best Things to do Good for Kids in Castelo Branco, Central Portugal

August (Maisbeiras.sapo.pt) – Maps Nature

August 11th (Reconquista) – Ocreza\_ Alleged discharge from Santa Águeda polluted the river

August 18th (Penacova actual.sapo.pt) - Penacova joins the working group for the creation of the Atlantic Geopark, with UNESCO seal

August 21st (Maisbeiras.sapo.pt) - Maps Nature

August 24th (Centrotv.sapo.pt) - Maps Nature parks this week in Naturtejo Geopark

August 24th (Greensavers.sapo.pt) - Project \_Maps Nature\_ is making Center of Portugal known

August 24th (Noticias de Viseu) – Maps Nature parks this week in Naturtejo Geopark

August 24th (Noticias ao Minuto) – Naturtejo Geopark hosts Project “Maps Nature” for the weekend

August 24th (centrotv.sapo.pt) – Maps Nature parks this week in Naturtejo Geopark

August 25th (Gazeta do Interior) – "Maps Nature" takes activities to Idanha-a-Nova, Penha Garcia and Marechal Carmona Dam

August 25th (diário digital castelo branco) – Naturtejo Geopark hosts Project “Maps Nature” for the weekend

August 25th (<https://viagens.sapo.pt/>) - This weekend go in search of maps nature in Naturtejo Geopark

August 26th (<https://viagens.sapo.pt/>) – 12 of the most spectacular geological formations in Portugal



# SCIENTIFIC CONTRIBUTIONS FOR THE GEOPARK AND THE GEOSCIENCES



- MACHADO, S., MERGULHÃO, L., PEREIRA, B.C., PEREIRA, P., CARVALHO, J., ANACLETO, J.A., NETO DE CARVALHO, C., BELO, J., PAREDES, R., BAUCON, A. - Geoconservation in the Cabeço da Ladeira Paleontological Site (Serras de Aire e Candeeiros Nature Park, Portugal): Exquisite Preservation of Animals and Their Behavioral Activities in a Middle Jurassic Carbonate Tidal Flat. *Geosciences* 2021, 11, 366. <https://doi.org/10.3390/geosciences11090366>



# PROMOTION FOR THE GENERAL PUBLIC



11 promotional videos of the workshops "Ten Parishes, Ten Experiences": Corn and Chestnut bread from Isna, Smokehouse and Soups, "Callum" Wine and Honey, "Zêzere", "Medronho", Laurissilva Forest, Cherry, Schist and Cork, Linen, Olive Oil and Generic. Municipality of Oleiros (in Portuguese language)



## Centro Ciência Viva da Floresta

Atividades em parceria com **Geopark Naturtejo, Geoparque Mundial da UNESCO**

- 31/07 - **Barrocais de Monsanto** (Monsanto)
- 03/08 - **Os Fósseis de Penha Garcia** (Penha Garcia)
- 06/08 - **O Ouro das Portas de Almourão** (Sobral Fernando)
- 13/08 - **Os Segredos do Vale do Almourão via "Menina dos Medos"** (Sobral Fernando)
- 27/08 - **Os Segredos do Vale do Almourão** (Sobral Fernando)
- 04/09 - **Biodiversidade e Geodiversidade da GeoRota do Orvalho** (Orvalho)



Fotografia de António Lusa

## A geologia da região do Vale do Guadiana

**XIV Encontro de Professores de Geociências do Alentejo e Algarve**

18 e 19 de setembro de 2021  
Cineteatro Municipal de Serpa



# 1º CONCURSO FOTOGRAFIA DE

Geoparques Mundiais da UNESCO Portugueses

15-07-21

30-09-21

visit Portugal

Geoparque CORE

AROUÇA GEOPARK

ESTRELA GEOPARK

naturtejo GEOPARK

GEOPARK SERRA DE CHALDEAS



# PROMOTION FOR THE GENERAL PUBLIC



**BARROCAL**  
PARQUE

EUROPE'S LEADING TOURIST ATTRACTION DEVELOPMENT PROJECT 2021

VOTE FOR US

Castelo Branco

barrocal-parque.pt

**European Geoparks Network**  
5th DIGITAL FORUM  
*Papuk Special Edition*

**PAPUK UNESCO GLOBAL GEOPARK**  
1<sup>st</sup> - 2<sup>nd</sup> September 2021

**GEO STORIES**  
of UNESCO Geopark

Project was co-financed by the European Union

**unesco** La Plataforma de cambio climático, riesgo y resiliencia en los Sitios de la UNESCO de América Latina y el Caribe presenta:

**um grau e mar**

**WEBINARIOS DE CAPACITACIÓN: Cambio climático y el manejo de los incendios en las Reservas de Biosfera y los Geoparques Mundiales de la UNESCO**

SEMINARIO 1	SEMINARIO 2	SEMINARIO 3	SEMINARIO 4	SEMINARIO 5
01 / SET / 2021 12 a 15hs - UYT	08 / SET / 2021 12 a 15hs - UYT	15 / SET / 2021 12 a 15hs - UYT	22 / SET / 2021 12 a 15hs - UYT	29 / SET / 2021 12 a 15hs - UYT
La nueva norma de incendios: los impactos de la biodiversidad y los ecosistemas	El monitoreo, la observación, y alerta tempranas	Emergencias y sequías: Fuego y agua	El manejo indígena del fuego	¿Hacia dónde ir? Manejo Integral del fuego

inscripción: <https://bit.ly/3zeXqvi>



# PROMOTION FOR THE GENERAL PUBLIC



13 AÇÃO CLIMÁTICA



## AÇÃO CLIMÁTICA

Geoparques Mundiais da UNESCO Portugueses



### Visit Naturtejo Geopark in:



[www.geoparknaturtejo.com](http://www.geoparknaturtejo.com)



[www.facebook.com/geoparknaturtejo.mesetameridional](https://www.facebook.com/geoparknaturtejo.mesetameridional)



[www.instagram.com/geopark\\_naturtejo/](https://www.instagram.com/geopark_naturtejo/)



[www.youtube.com/geoparknaturtejo](https://www.youtube.com/geoparknaturtejo)



[issuu.com/geoparknaturtejo](https://issuu.com/geoparknaturtejo)

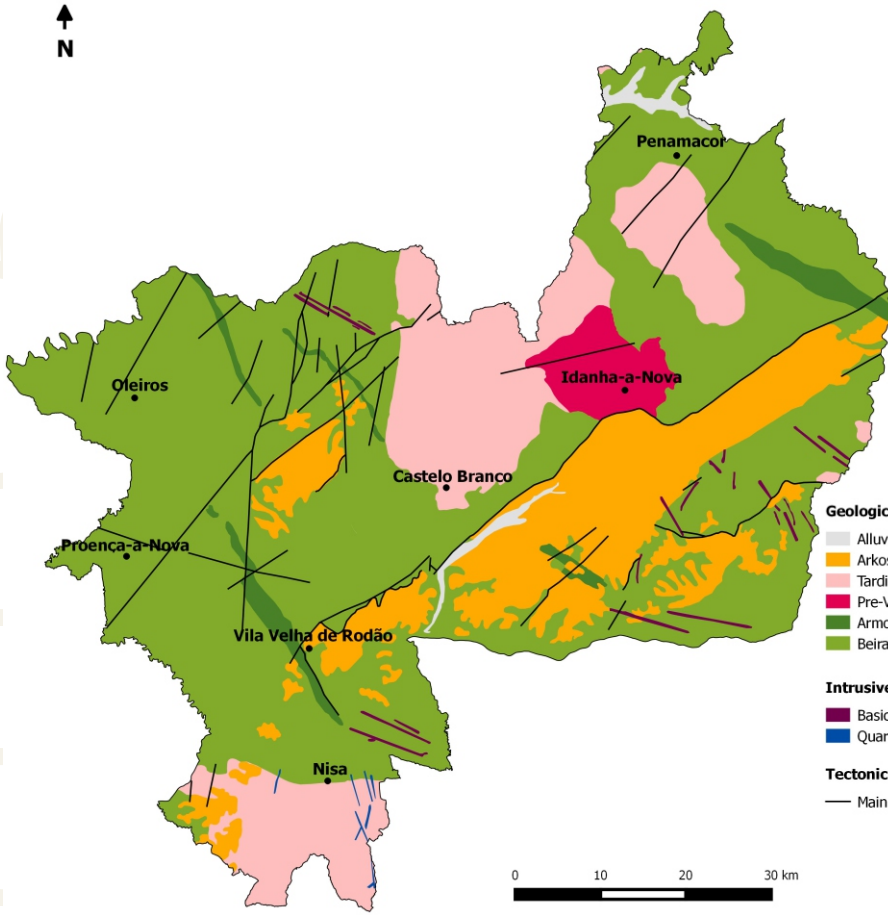


[https://twitter.com/Geo\\_Naturtejo](https://twitter.com/Geo_Naturtejo)



<https://www.linkedin.com/company/geoparknaturtejo/>





**Geological Formations (Ma-Million years)**

- Alluvium and fluvial terraces - Plistocene-Holocene (1Ma-present)
- Arkoses, breccias and conglomerates - Eocene-Pliocene (50-2.6Ma)
- Tardi-Variscan orogenic granites (315-300Ma)
- Pre-Variscan granodiorites (480-472Ma)
- Armorican Quartzite and schists - Ordovician-Lower Silurian (488-435Ma)
- Beiras Group (schists and greywackes) - Neoproterozoic (610-542Ma)

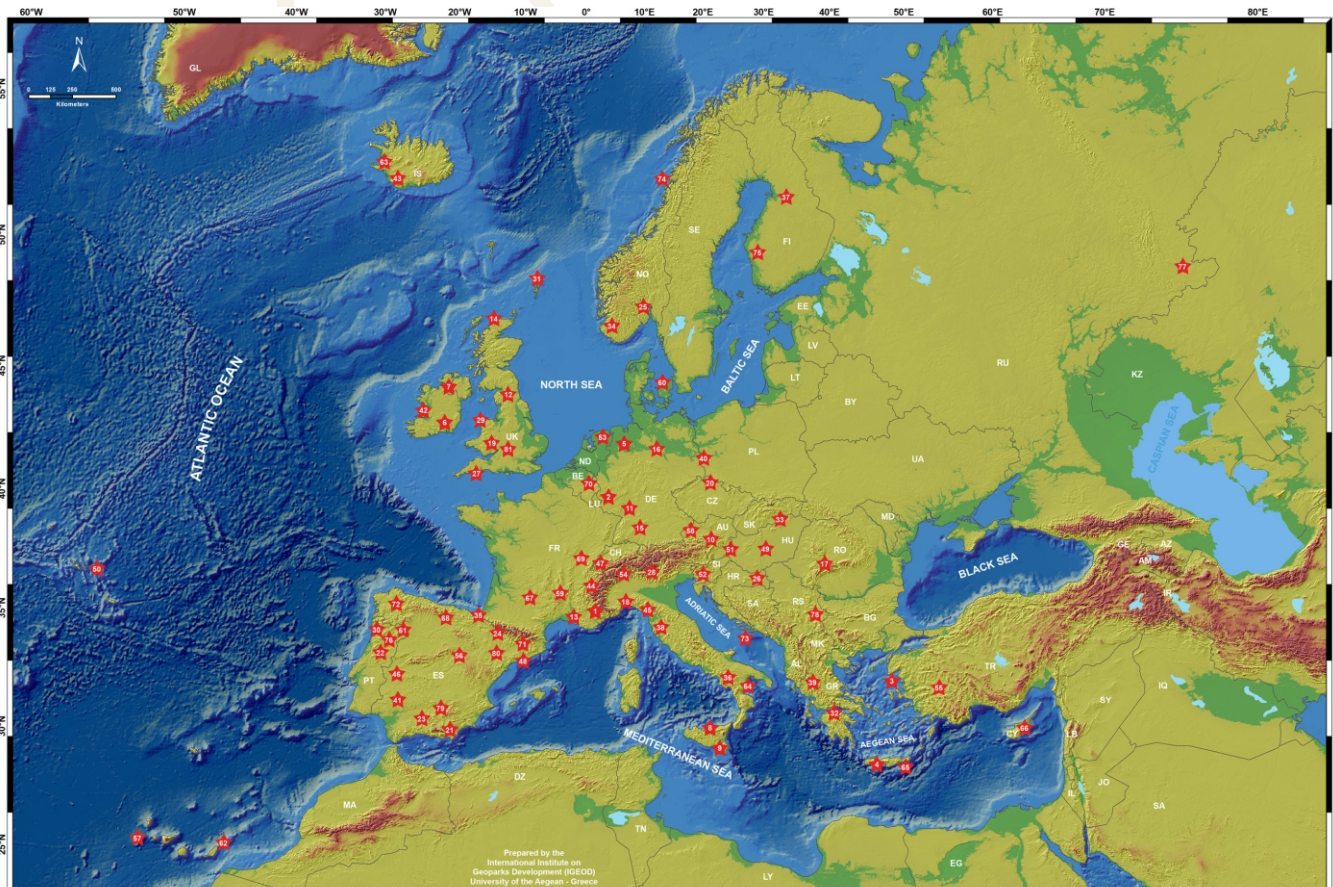
**Intrusive rocks**

- Basic rocks, aplites and pegmatites
- Quartz

**Tectonic**

- Main faults

## Geoparks: Geology with human face







Edition - **Geopark Naturtejo, 2021**  
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GEOPARK NATURTEJO DA MESETA MERIDIONAL EUROPEAN AND GLOBAL GEOPARK MONTHLY REPORT

[www.geoparknaturtejo.com](http://www.geoparknaturtejo.com)