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First Ichnology course certified for teachers in Portugal
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Landscape Festival celebrates European Geoparks Week
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CRUZIANA

NATURTEJO UNESCO GLOBAL GEOPARK - E-MAGAZINE





MONTHLY ACTIVITIES



May 3rd - School Programme "On the Fossils Trail of Penha Garcia searching for Trilobites traces". This activity involved 29 students and 2 teachers of the 7th grade, within the scope of the Natural Sciences subject, belonging to Vila Velha de Ródão School Group. The instructor was Manuela Catana.

May 3rd to 5th - The 11th SciComPT - National Congress of Science Communication . The 11th SciComPT - National Congress on Science Communication took place in Bragança, organised by the SciComPT Network, Living Science Centre of Bragança, Bragança Municipality and Bragança Polytechnic Institute. For three days the event brought together more than 200 researchers, communicators and students around the current challenges of science communication. Joana Rodrigues was part of the scientific committee of the congress and moderated the session dedicated to the theme 'Pathways and Territory'.



May 4th - School Programme "The hidden secrets in Vale Mourão and the Forest at the Living Science Centre"

May 4th - School Programme "The hidden secrets in Vale Mourão and the Forest at the Living Science Centre". This activity was attended by 23 students from the 7th grade and 11 students from the 11th grade, accompanied by 4 teachers, within the scope of the Natural Sciences and Biology and Geology subjects, from Padre António de Andrade School Group, in Oleiros. The Field Trip was held in partnership with the Living Science Centre of the Forest, and the activity was led by Marta Palhim.



May 4th - Workshop "I live in Naturtejo Geopark". This year's theme of the Eco-Schools Programme is "Outdoor spaces", which is why the Eco-Schools Day programme focused on activities dedicated to the territory where the students of the School Group live, i.e. the municipality of Proença-a-Nova. The workshops' themes developed throughout the "Eco-Schools Day" were: Healthy eating, clean energy, water and waste management, prevention of Rural Fires, geodiversity and biodiversity. The event also included activities promoted by the Living Science Centre of the Forest (observation of plants with a binocular lens, identification of plants through smell and visits to the travelling exhibition "Gold - from the Formation of the Universe to the Conquest of Space", this one carried out in partnership with Naturtejo Geopark), by the Bioaromas School Project and a fair of organic products. Naturtejo Geopark was invited to organise a workshop under the geodiversity theme. This workshop, entitled "I live in Naturtejo Geopark", took place in two sessions and was aimed at 10th grade students who attend the Biology and Geology discipline. In this activity Manuela Catana presented the geodiversity and Geological Heritage of the territory of Naturtejo UNESCO Global Geopark, highlighting the municipality of Proença-a-Nova, and the students were able to observe and handle the geological map, the 27 rock samples from the geopark's litholibrary and some samples and replicas of fossils. The Eco-Schools Day also included the raising of the Eco-Schools Green Flag 2021-2022. The Eco-Schools project of Pedro da Fonseca Primary and Secondary School was honoured with the Excellence diploma, awarded by the European Blue Flag Association, in January this year. This important award recognises the quality of the work carried out in the implementation of this programme that the school has been part of since the 2015-2016 school year. This is an international school programme that aims to encourage actions and recognise the quality work carried out by the school in the field of Environmental Education for Sustainability.



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May 6th - Earth and Geologist Day with the opening of the travelling exhibition "Gold - From the Formation of the Universe to the Conquest of Space". The exhibition resulting from a partnership between the Living Science Centre of the Forest and Naturtejo Geopark became itinerant and marched to the Association for the Development of Sobral Fernando. The exhibition "Gold - from the Formation of the Universe to the Conquest of Space", now in travelling format, opened to the public and the local community in an event that took place within the scope of the Geologist's Day Celebrations. This exhibition, developed in partnership between the Living Science Centre of the Forest, the Municipality of Proença-a-Nova, Naturtejo Geopark and the astronomer Miguel Gonçalves in 2017, has now been remodelled and adapted into a travelling exhibition and will circulate through several spaces inside and outside the territory. In the small village of Sobral Fernando, which is a major centre of Naturtejo Geopark, the exhibition was opened by Carlos Neto de Carvalho with the representatives of the Living Science Centre of the Forest. Along 5 km of an interpreted trail the participants, coming from the surroundings and from other regions, discovered the secrets of Portas de Almourão, the impressive gorge created by the Ocreza River, in a visit boosted by Marta Palhim, from Living Science Centre of the Forest. Palhim, do CCV da Floresta.



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May 8th and 9th - Visit to students of Erasmus Mundus PANGEA Master Programme and Master in Geosciences - Geological Heritage and Geoconservation of University of Minho. After a theoretical class dedicated to Naturtejo Geopark last April, students of the Erasmus Mundus PANGEA Master Programme and Master in Geosciences - Geological Heritage and Geoconservation of University of Minho came to learn about strategies for the protection and enhancement of the Geological Heritage of the Geopark. Students were welcomed by the geologist Joana Rodrigues and for two days they visited the Ponsul Valley and the Fossils Trail in Penha Garcia, the Monsanto Boulders Trail, the Barrocal Park of Castelo Branco, Portas de Almourão and Portas de Ródão Natural Monument.



May 16th - International Congress "Neanderthals from the End of the World". The University of Seville organised the International Congress "Neanderthals from the End of the World". Carlos Neto de Carvalho was invited by the organisation to present the results obtained so far at Matalascañas paleontological site found in 2020. This research project is the result of an international cooperation between Naturtejo Geopark, the University of Seville, the University of Huelva and the National Museum of Gibraltar, which also includes several researchers from Iberian universities.

May 18th to 31st - Landscape Festival returns to celebrate the European Geoparks Week. The European Geoparks Week covers 94 territories in Europe recognised by UNESCO. In Naturtejo UNESCO Global Geopark this celebration is called "Landscape Festival" and was run throughout the territory from May 18th to 31st. Providing the best experiences of landscape enjoyment and valuation is the purpose of Naturtejo, municipalities and entities that this year have joined the festival. The Landscape Festival is one of the best ways to celebrate spring in the Portuguese High Tejo region, when the cultural landscape marked by Nature is dressed in dazzling colours. This year the Landscape Festival began in Penamacor, with the celebrations of the International Museum Day. Highlight for the lecture under the theme "Health and Well-being in the Village of Penamacor - physical spaces from the 17th to the 20th centuries" that took place in the House of Memory of the Sephardic Medicine Ribeiro Sanches. On the 19th there was another historical talk about the "Times of Wolfram in Oleiros" in the Auditorium of the House of Culture of Oleiros. On the first weekend, Naturtejo and Villuercas-Ibores-Jara UNESCO Geoparks bridged the border for the first teacher training course on Transboundary Palaeontology for the Portuguese Association of Biology and Geology Teachers. The Ichnological Park of Penha Garcia was once again school in nature for teacher training.

Nature's colours become even more exuberant at the opening of the week at the V BiodivSummit at the Living Science Centre of the Forest. The weekend of May 27th was filled with sweet flavours at the Cherry and Lemon Festival in Montes da Senhora. At the same time there were gastronomic approaches in the historical landscapes of Monsanto and Idanha-a-Velha by Chef João Rodrigues in residence. On Saturday, a classic of regional pedestrianism, the Orvalho GeoTrail, brought hundreds to the middle of the International Appalachian Trail. On Sunday, we walked across the Cherries'Hills, in a landscape dotted with the delicious fruit in Montes da Senhora.

Away, the Portuguese UNESCO Geoparks organized their annual meeting from May 29th to 31st in Manteigas. This event culminated this year's edition of the Landscape Festival.

During the weekends of the Landscape Festival, restaurants of Proença-a-Nova invite visitors to D'gustar (Taste) the most delicious fruit of the season, the cherry, in a promotional initiative of this municipality. Also during the Landscape Festival, the Living Science Centre of the Forest hosted the exhibition "Gold - From the Formation of the Universe to the Conquest of Space". This exhibition links the processes that take place on the surface of our sun with spaces in the territory of Naturtejo Geopark, such as the ancient old gold mines along the Ocreza.

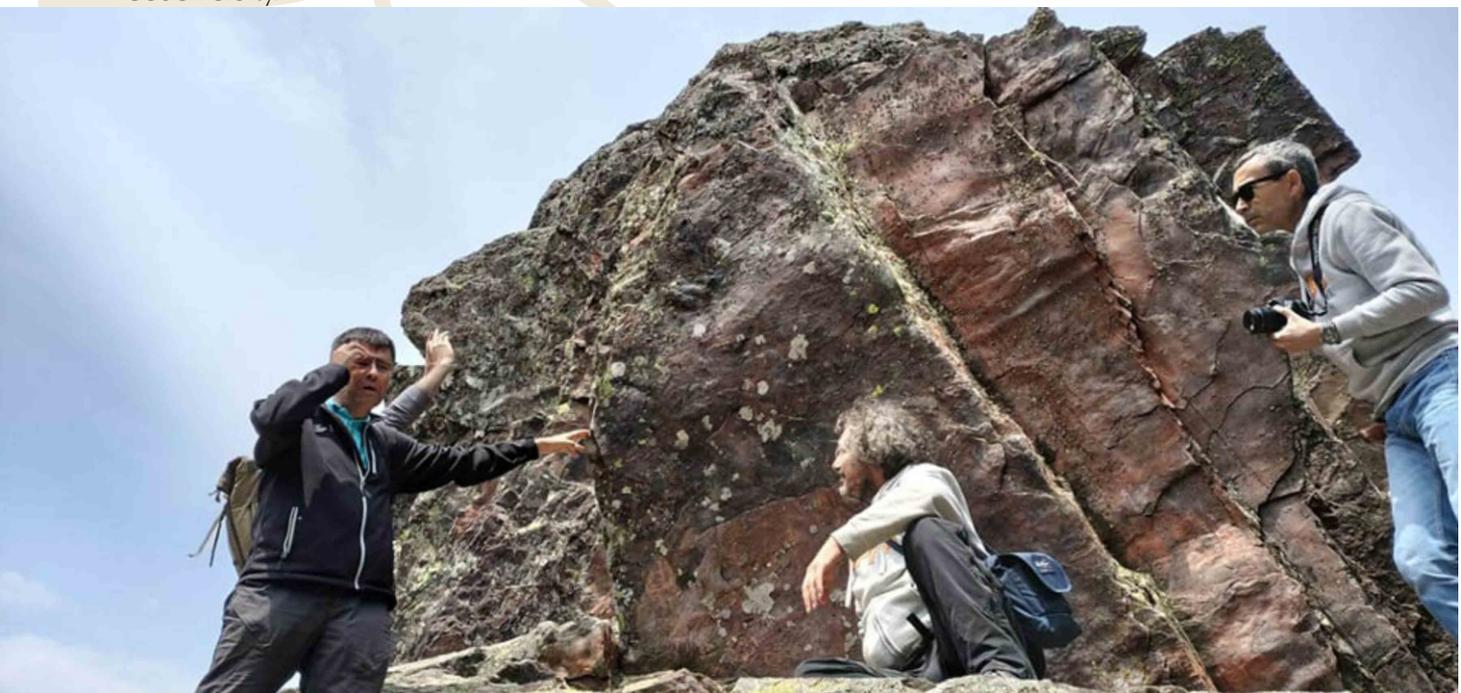
May 19th - Webinar "Management of Invasive Species in Geoparks". As part of the Biennium for Climate Action in Portuguese Geoparks, a webinar was held by Arouca Geopark dedicated to the work carried out to control invasive species. Several presentations were made by experts on this topic.



May 19th - Oleiros Senior University class dedicated to the memories of wolfram. The lesson of the subject 'We and the Environment' of the Senior University of Oleiros was dedicated to the memories of mining in Naturtejo Geopark, with the projection and discussion of the documentary "Black Gold: the other face". This film was made in 2012 aiming to rescue the intangible heritage still existing in the region, constituting a unique document for safeguarding the memory of the wolfram period in Oleiros.

During this class, organised by the geologist Joana Rodrigues, students shared experiences, memories and family stories and discussed some curiosities about Geodiversity and this important mineral explored in Fragas do Cavalo Mines. The importance of mineral resources and the challenges of sustainable mining were also discussed.

This initiative was part of the European Geoparks Week and the Blue Flag Programme, this year dedicated to Geodiversity.



May 19th to 21st - First Training Course for Teachers on Ichnology brings together Iberian geoparks. The first teacher training course on Ichnology was a joint organisation of the Portuguese Association of Biology and Geology Teachers and Naturtejo UNESCO Global Geopark, supported by Villuercas-Ibores-Jara UNESCO Global Geopark. This course was divided into three parts, the first dedicated to the Proterozoic-Palaeozoic Ichnology, with particular relevance to Portugal. Twenty participants travelled from different parts of Portugal to Villuercas-Ibores-Jara Geopark. At the Geopark Interpretation Centre in Cañamero they were welcomed by Iván Cortijo, who gave an introduction on the Geopark and its Ichnology. From here they travelled to a number of sites to observe examples, with particular emphasis on the complex trace fossil known as Daedalus, which bridges the gap between Villuercas and Naturtejo UNESCO Geoparks.

The Canchos de Ramilo, halfway between the two geoparks, was the site chosen to observe some of the oldest traces of animal life known in the world. A training course dedicated to the Palaeozoic had to linger in the Ichnological Park of Penha Garcia, the most important classroom of the Portuguese Palaeozoic. Here, the teachers observed different types of behaviour associated with trilobites.



May 23rd - National TV coverage of the Landscape Festival. Naturtejo UNESCO Global Geopark's Landscape Festival was presented on national public television. The news programme "Portugal em Directo" invited Carlos Neto de Carvalho to present the European Geoparks Week programme from the studios in Castelo Branco, in the heart of the geopark.

May 23rd - Meeting on Governance and Resources of the European Geoparks Network. Aiming to deepen the Operational Strategy and the Action Plan of the European Geoparks Network, an online meeting was held to discuss proposals for action lines regarding the Governance and Resources of the Network. Joana Rodrigues attended the meeting.

May 25th - Africa Day celebrated in Idanha-a-Nova. The African students of the Management School of Idanha-a-Nova had a day in their honour, in the main space dedicated to big events in Idanha-a-Nova. The cultures of Africa were represented and presented to the school and local community, in the form of a fashion show, show cooking, African music and cinema.



May 26th - Naturtejo Geopark takes geology to the schoolyards of Castelo Branco's elementary schools. 'Living Science in the schoolyards' is the new programme of Living Science - National Agency for Scientific and Technological Culture that aims to involve students and teachers in the development of research projects in which schoolyards are at the centre of learning.

In school playgrounds it is possible to explore Geodiversity, Biodiversity, biotic and abiotic relationships, physical and chemical phenomena, as well as to promote the democratisation of access to scientific knowledge. This programme aims, on one hand, to encourage scientific initiation and, on the other, to overcome geographical, logistical or socio-economic constraints that may reduce access to other spaces outside the classroom.

In this sense, Naturtejo Geopark and the Living Science Centre of the Forest took Science to the Schoolyards of the Basic Schools of Valongo, São Tiago and Afonso de Paiva, in Castelo Branco. Students and teachers of the 1st Cycle explored the rocks of the playgrounds and the geological materials used in the construction of the school and classroom objects, with the geologist Joana Rodrigues.

In the next phases of the project, students will ask questions and formulate hypotheses, through research and experimentation, to obtain and communicate results.

May 27th - Orvalho GeoTrail attracts hundreds of walkers. The Parish of Orvalho held the 12th edition of Orvalho GeoTrail. The event was composed by two parts: the Walking Trail and the Medieval Supper. The Walking Trail had a total length of 8.9 km, with an approximate duration of 3h30 and an accumulated gradient of 906 metres (ascent). The itinerary of this trail included the passage through geomonuments classified by UNESCO integrated in Naturtejo UNESCO Global Geopark.

May 26th to 28th - Tour at the Geopark for the Five Stars Awards Gala. A group of 23 people carried out the tour programme "Five Stars Award BIO | Naturtejo Geopark" which took place in the framework of the Five Star Awards ceremony in the Historical Village of Idanha-a-Velha, carrying out a Health and Wellness Treatment at Monfortinho Thermal Spa and a Workshop on Adufe Construction at the Traditional Arts Centre in Idanha-a-Nova.

May 28th - Guided visit to Barrocal Park. A group of about 40 former students returned to Castelo Branco and visited the Barrocal Park. In a two-hour visit, Carlos Neto de Carvalho presented the geodiversity, biodiversity, archaeology and memory of the Barrocal Park in the context of the history of Castelo Branco.



May 29th to 31st - Meeting of the Portuguese Network of UNESCO Global Geoparks, as part of the European Geoparks Week. OEstrela Geopark hosted the Meeting of the Portuguese Network of UNESCO Global Geoparks, over three days in Manteigas, as part of the European Geoparks Week.

The Meeting started with an Open Day where sustainable development projects in Portuguese Geoparks were presented to the public. Naturtejo Geopark shared its experience in contributing to the reduction of forest fires risk.

This was followed by the 3rd Coordination Committee of the Portuguese Network of UNESCO Global Geoparks Meeting, with the participation of the UNESCO National Commission, UNESCO Global Geoparks and observer members (Tourism of Portugal, Directorate-General for Energy and Geology, National Geology and Engineering Laboratory, ProGEO, Institute for Nature Conservation and Forests, National Committee for the "Man and the Biosphere - MAB" Programme, Portuguese Network of Biosphere Reserves and aspiring geoparks: Oeste, Litoral Viana do Castelo and Algarvensis).

The Meeting also included the monthly meeting between the Geoparks and Tourism of Portugal, for actions coordination to monitor the tourism offer, product development and promotion. The programme ended with a technical visit to Burel Factory, an industrial tourism project, partner of Estrela Geopark.

IMPACT OF GEOPARK IN MEDIA



TV & Radio

- May 16th (Beira Baixa TV) – Oleiros - Wolfram period in the spotlight
- May 18th (Rádio Castelo Branco) – Landscape Festival 2023 in Naturtejo UNESCO Global Geopark brings a rainbow of experiences and flavours
- May 23rd (RTP1 daily news show Portugal em Directo) – Naturtejo Geopark Landscape Festival
- May 26th (BeiraBaixaTV) – Landscape Festival – Naturtejo UNESCO Global Geopark
- May 27th (Rádio Condestável) – PROENÇA-A-NOVA: Siza Vieira's watchtower in the spotlight
- May 29th (Rádio Cova da Beira) – Landscape Festival
- May 30th (Rádio Castelo Branco) – Siza Vieira's Watchtower highlighted at the Berlin Architecture Forum

Newspapers & www

- May (National Geographic Portugal) – Orvalho GeoTrail: a poem in the centre
- May 10th (Gazeta do Interior) – Secretariat Days address knowledge transfer and employability
- May 11th (Jornal O Interior) – Côa Valley landscapes win award for film "Awaken"
- May 12th (nationalgeographic.pt) – Orvalho GeoTrail: a poem in the centre
- May 15th (maisbeiras.sapo.pt) – Landscape Festival 2023 in Naturtejo UNESCO Global Geopark brings a rainbow of experiences and flavours
- May 15th (BeiraNews) - Landscape Festival 2023 in Naturtejo UNESCO Global Geopark brings a rainbow of experiences and flavours
- May 15th (Lusa.pt) – Naturtejo Geopark hosts Landscape Festival until 31st
- May 15th (visao.sapo.pt/) - Naturtejo Geopark hosts Landscape Festival until 31st
- May 15th (Diário Digital de Castelo Branco) – Naturtejo Geopark promotes Landscape Festival until the end of the month
- May 15th (antenalivre.pt) - Naturtejo Geopark hosts Landscape Festival until 31st
- May 15th (noticiasominuto.com) - Naturtejo Geopark hosts Landscape Festival until 31st
- May 15th (centralnoticias) – Landscape Festival 2023 in Naturtejo UNESCO Global Geopark brings a rainbow of experiences and flavours
- May 15th (Mais Beiras Informação) – Landscape Festival 2023 in Naturtejo UNESCO Global Geopark brings a rainbow of experiences and flavours
- May 15th (Notícias ao Minuto) – Naturtejo Geopark hosts Landscape Festival until 31st
- May 16th (greensavers.sapo.pt/) – Naturtejo Geopark hosts Landscape Festival until 31st
- May 17th (<https://jornaldenisa.blogspot.com/>) - NATURTEJO: Landscape Festival 2023
- May 18th (Larazon) – The pleasure of immersing in the wonders of the neighbouring Beira Baixa The cuisine of this region combines the tradition of several generations with quality products.

IMPACT OF GEOPARK IN MEDIA



Newspapers & www

May 24th (www.baunetz.de) – Alvaro Siza's Towers - Exhibition in Berlin

May 26th (jornalproenca.pt) – Proença-a-Nova: Watchtower highlighted in Berlin

May 26th (Visão) – Naturtejo Geopark hosts Landscape Festival until 31st

May 26th (sapo.pt) - Naturtejo Geopark hosts Landscape Festival until 31st

May 27th (noticiasdocentro.pt) – Álvaro Siza Vieira's watchtower in Serra das Talhadas gets noticed abroad

May 27th (centrotv.sapo.pt) – Siza Vieira's Watchtower highlighted at Berlin Architecture Forum

May 29th (Diário Digital) – Siza Vieira's Watchtower highlighted at Berlin Architecture Forum

May 30th (Portugalidade Magazine) – Oleiros, where Nature Embraces You and Its People Welcome You

May 30th (Revista Sábado) – This is one of the best holiday destinations in Portugal. Do you agree?

May 31st (maismagazine.pt) – At every turn the Zêzere, Oleiros has a secret to reveal

May 31st (Gazeta do Interior) – Watchtower highlighted at Berlin Architecture Forum

May 31st (Diário Digital) – Penamacor: Academy is back to provide unique experiences and a summer full of activities

SCIENTIFIC CONTRIBUTIONS FOR THE GEO PARK AND THE GEOSCIENCES



- NETO DE CARVALHO, C., MUÑIZ, F., BELAÚSTEGUI, Z., CÁCERES, L.M., GÓMEZ, P., TOSCANO, A., RUIZ, F., RAMIREZ-CRUZADO, S., GALÁN, J.M. & RODRÍGUEZ-VIDAL, J.M. – “Matalascañas Trampled Surface” from the Pleistocene of Huelva (SW Spain): human footprints vs pseudofootprints. 4th Palaeontological Virtual Congress, pp. 178-179.

- MUÑIZ, F., BELAÚSTEGUI, Z., MÁNGANO, M.G., BUATOIS, L.A., MARTÍN, M. & NETO DE CARVALHO, C. – Bizarre Lepeichnus giberti: an additional ichnogenetic stage. 4th Palaeontological Virtual Congress, pp. 312-313.

PROMOTION FOR THE GENERAL PUBLIC

Campanha de Verão 2023

25 de junho a 6 de agosto

- Escavações e Prospecção Arqueológicas
Campo 1: 25 de junho a 9 de julho
Campo 2: 9 a 23 de julho
Campo 3: 23 de julho a 6 de agosto
- Curso de introdução à Avaliação de Impacte Ambiental (AIA) aplicada à Arqueologia (calendário a definir)
- Conferências sobre AIA
29 de junho, 13 e 28 de julho
- Visitas de estudo
- Jantares de convívio

Contactos para informações:
aholejo@gmail.com
www.archaeologicalfieldcamps-portugal.pt



2023

Proença-a-Nova International Archaeological Field Camp

Campo Arqueológico de Proença-a-Nova

Portugal





Interpretação do Património para Visitas Guiadas

16, 17 e 18 | 24 e 25 Junho 2023

Centro de Ciência Viva da Floresta Proença-a-Nova

Nova Data

Formação com certificação europeia



Formador: Pedro Morais

Formação baseada em actividades práticas que levam a uma rápida percepção de como implementar a interpretação do património e ao mesmo tempo induz a uma compreensão teórica dos fundamentos e ideias dos principais autores da área. Mais de uma década de desenvolvimento internacional, oferecem a esta formação certificada o mais elevado padrão de qualidade com resultados em toda a Europa.

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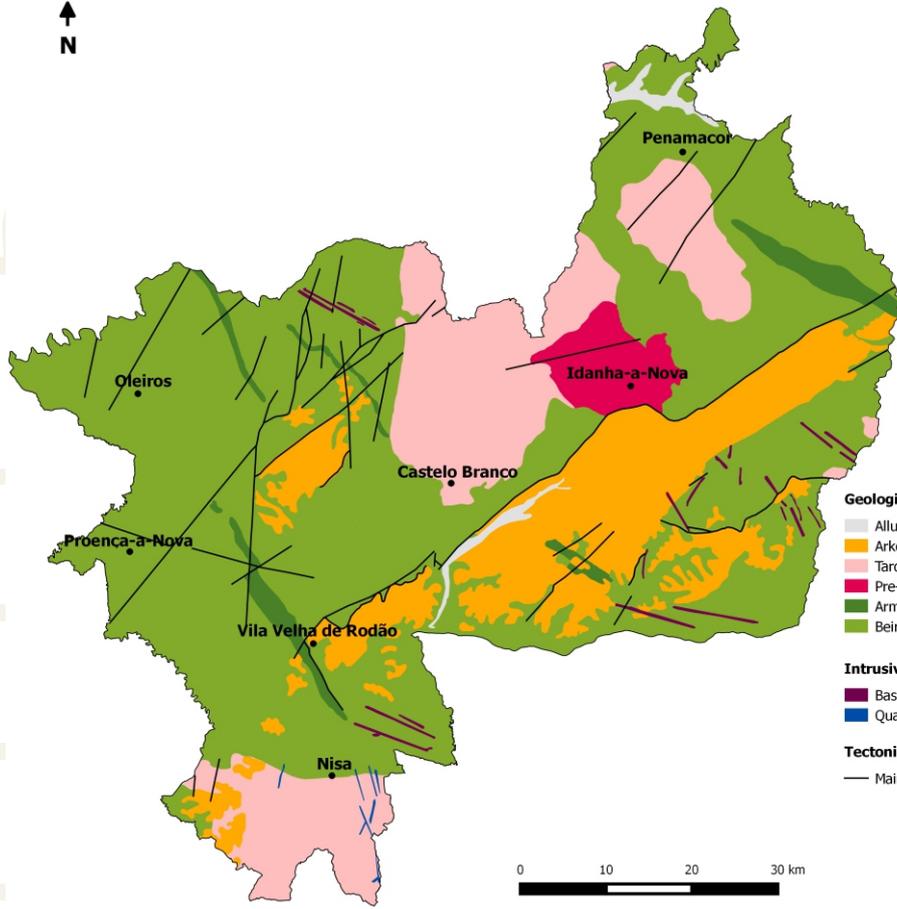
PROMOTION FOR THE GENERAL PUBLIC



Mercado Bio-Região
IDANHA-A-NOVA
SÁBADOS
DAS 08H00 ÀS 12H00
MERCADO MUNICIPAL
(PRAÇA)

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-  www.instagram.com/geopark_naturtejo/
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-  issuu.com/geoparknaturtejo
-  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)

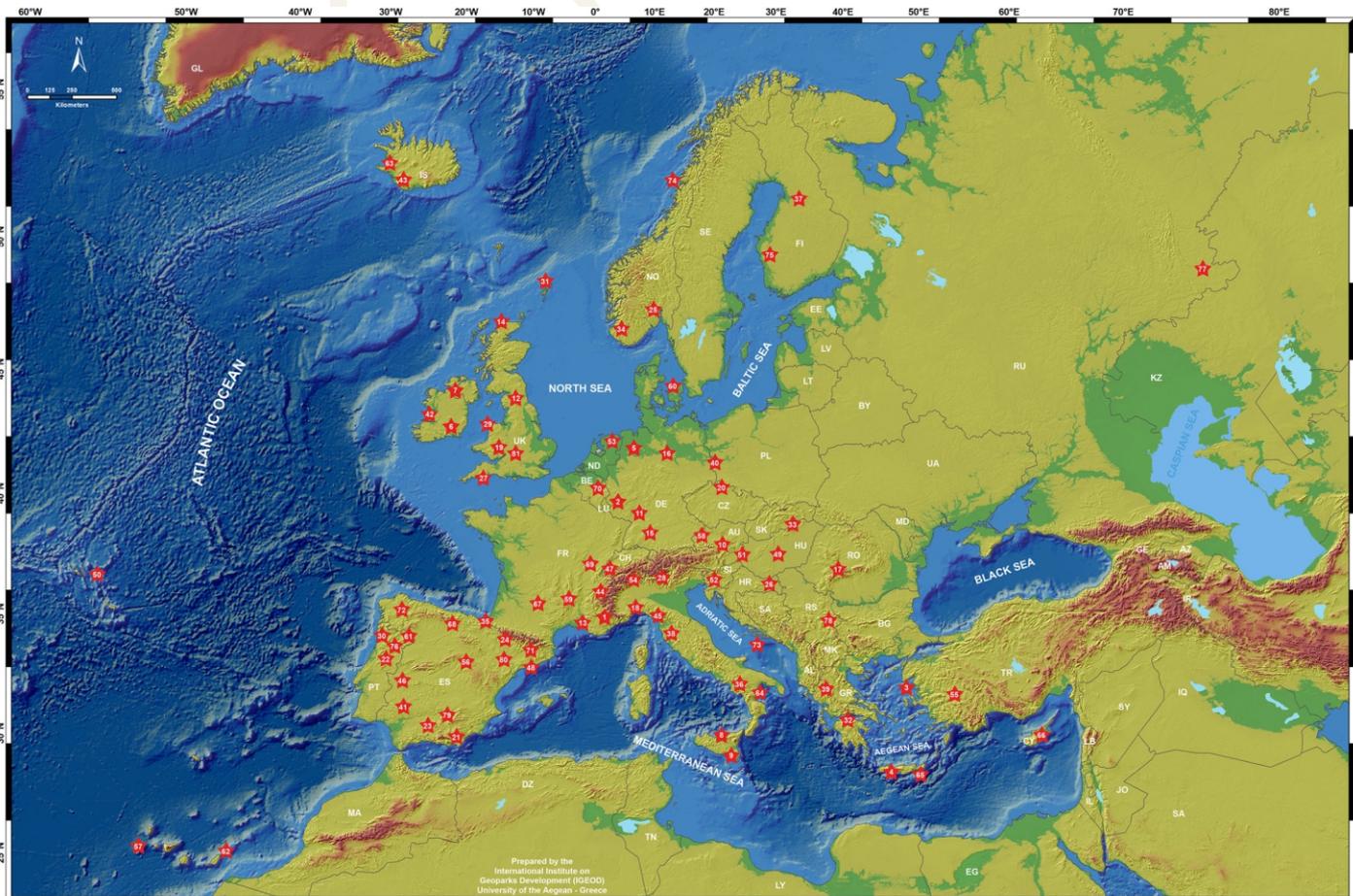
Intrusive rocks

- Basic rocks, aplites and pegmatites
- Quartz

Tectonic

- Main faults

Geoparks: Geology with human face





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NATURTEJO UNESCO GLOBAL GEOPARK - E-MAGAZINE

