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CRUZIANA

GEOPARK NATURTEJO - GEOPARQUE MUNDIAL DA UNESCO - E-Magazine





MONTHLY ACTIVITIES



July - Archaeological excavations progress on Cabeço da Anta. The Proença-a-Nova 2020 International Archaeological Camp is being held for the first time due to the pandemic, without students and only with the team of archaeologists responsible for the excavations. This team will continue to decipher and explain some details found in previous campaigns, seeking answers to questions raised.

Thus, from June 22nd until the end of July, the tapir Cabeço da Anta will continue to be dug in, one of the largest in schist known in the region. In 2019 appeared "the first complete pieces, in ceramic and stone". In addition, "the excavation of a radial trench, in depth and from the center to the periphery of the artificial mound that motivated the toponym Cabeço da Anta, in order to know the vertical structure of the tumulus mound, also had good development although it is not yet completed. This work has revealed so far that the tumulus mound is made almost entirely of clay", explained the archaeologist João Caninas responsible for the research.

A structure is also being prepared to allow a safe visit to this monument without prejudice to the continuity of the excavations. "This objective has also been established for the tapir of Cimo do Vale de Alvito, whose funeral chamber is also excavated and recovered with granite prosthesis in the positions from where, over the centuries, the original stones were removed, from which only two remain", adds João Caninas.

Since 2007, eight archaeological sites, located in various parts of the municipality and of different times and functions, have been intervened in Proença-a-Nova. Some of these sites have already been investigated, qualified and integrated in visit routes, such as the tapir of Cão do Ribeiro (Vale das Balsas) and the fort of Batarias (Catraia). The scientific coordinator of Naturtejo Geopark, Carlos Neto de Carvalho, was invited from the beginning to collaborate in under development studies in Moitas. The aim will be to determine the origins of the construction materials and try to understand the reasons that led to their selection.



July 9th - Webinar Naturtejo Geopark organized by Tourism of Portugal Naturtejo Geopark, UNESCO Global Geopark opened the Cycle of Webinars organized by Tourism of Portugal and the Portuguese Geoparks, dedicated to the tourist potential of these territories classified by UNESCO. This 1st Webinar, with the theme "The challenges of Portuguese Geoparks in the enlarged interior market (Portugal and Spain), in the context of a pandemic", took place on the fringe of a Portuguese-Spanish meeting, in Termas de Monfortinho, which marked the reopening of the border on July 1st.

This meeting, moderated by Teresa Ferreira, Director of the Department of Dynamization of Supply and Resources of Tourism of Portugal, was attended by the President of the municipality of Idanha-a-Nova and Naturtejo Geopark, Armindo Jacinto, the Secretary of State for Tourism, Rita Marques and the representative of the UNESCO National Commission, Ana Sofia Lopes.

The Secretary of State for Tourism, while visiting the territory, reinforced the importance of the seal "Clean & Safe" created especially for Geoparks, in strengthening the confidence of visitors in these territories and the importance of the work that has been developed between the Tourism of Portugal and the Portuguese Geoparks, in structuring the tourist offer network as reference destinations.

José Maria Barrera, from the UNESCO Global Geopark Villuercas-Ibores-Jara and the Province of Cáceres (Extremadura, Spain) highlighted the cooperative work that is being done between Portugal and Spain in this region and deepened the challenges and opportunities of these border geoparks during the current pandemic period.

From Fonte Santa Hotel (Termas de Monfortinho) the territory of Geopark Naturtejo was presented and its innovative tourist experience. Synergies and partnerships were also discussed, with the participation of Conceição Rocha, Adega dos Apalaches (Oleiros) and Ricardo Martins, Monsanto GeoHotel School (Monsanto, Idanha-a-Nova).

These webinars, which will take place in July and September 2020, are essentially aimed at tour operators, travel agents, governmental or associative entities related to the Tourism area, companies in the sector, agents of the territories, but also at all those interested in Geoparks and have the participation of several national and international specialists.

This Webinars Cycle is part of a working group of Tourism of Portugal involving the UNESCO Global Geoparks Naturtejo, Arouca, Azores, Terras de Cavaleiros and Estrela, as well as the respective Regional Tourism Entities, aiming to articulate the tourist promotion of these territories.

July 10th - July 10th - Preparation of new educational programs with Porta Raiana. The headquarters of the company "Porta Raiana", in Idanha-a-Nova, in the Business Centre, hosted a meeting between its responsible and the person in charge of the Educational Service of Naturtejo Geopark. The meeting had as objectives the presentation of the projects and the core of the new partner company of the geopark and the educational programs of Naturtejo Geopark, aiming a future collaboration in this field.

July 17th - Meeting of UNESCO Portuguese Geoparks on the scientific offer. Another meeting between Tourism of Portugal and the Portuguese Geoparks took place to define partnerships and products. These meetings are coordinated by João Portugal, project manager of this entity and aim to bring Portuguese geoparks closer to national strategies for Tourism. The purpose of this meeting was the identification of tools to promote the development of scientific tourism network. This topic was discussed with the participation of the scientific coordinators of the geoparks and their representatives, and valuable contributions were made on how this issue should be addressed, what is already done by each geopark and what could be done in an integrated manner. It was agreed that the research to be carried out in geopark territories may cover several branches of knowledge beyond the geosciences and that although this research is not accompanied by scientific coordination of each geopark, the final results of these research must be shared with the respective scientific coordination so that the "knowledge ascertained" remains in the territories and can be used for their benefit. There was also unanimous recognition of science as a resource for training and structuring a tourism product. The proposal to work on, beyond future actions, even in a product structuring logic, was the constitution of a joint Portfolio on the "offer" that each geopark makes available for the development of scientific work such as simplification/conception of permits for fieldwork, accommodation and other support facilities to be made available, possible financial support for the realization of the tables and the identification of what research topics each geopark would like to see carried out in its territory. Nevertheless, there may be similar themes in more than one geopark. In this context, each Geopark was asked to send proposals on the preferred research areas, given the specificities of each territory. Representing Naturtejo Geopark, this meeting was attended by Carlos Neto de Carvalho as scientific coordinator, Joana Rodrigues and João Pousinho.



June 26th - 14th anniversary of Naturtejo Geopark with Living Science in Summer . As usual, during the summer holidays, Science goes out to the streets for Living Science in Summer of the National Agency for Scientific and Technological Culture and, once again, Naturtejo Geopark joins the Living Science Forest Centre (Proença-a-Nova) promoting several actions in the territory. Between July 15th and September 15th the initiative includes more than 200 actions, on 500 dates, all over the country, organized by Living Science centres, scientific associations, geoparks, municipalities and companies. The Living Science Forest Centre proposes a total of 11 activities, free of charge, dedicated to Biology, Astronomy, Environment, with three Geology actions, in partnership with Naturtejo Geopark! In this 24th edition, Living Science in Summer joins the Living Science Circuits, a set of several itineraries throughout the country, where the Living Science Forest Centre Circuit is integrated, with courses that include the geomonument of Portas de Almourão, ancient Roman gold mines and the mining experience. The first Geology in the summer activity "The Fossils of Penha Garcia" gathered 12 participants, who walked through the Ponsul Valley, in search of the tracks of ancient environments and life forms, also visiting the Fossils House and the Mills, fulfilling all the hygiene and safety recommendations. On the day Naturtejo Geopark marked its 14th anniversary, the group consisting mostly of children, ended the visit to the Fossils Trail delighting with Geocakes Trilobite biscuits, a sweet memory of the Geopark and those extinct organisms.



July 28th and 29th – Family Program. Naturtejo Geopark is the ideal place to spend a few days this summer, relaxed and safe, with family and close friends. Naturtejo Geopark received, through Soltrópico, 2 people who made a boat tour to the Natural Monument, visited the olive oil presses of Vila Velha de Ródão and the next day visited Monsanto and the Ichnological Park of Penha Garcia accompanied by the guide Jorge Costa.

July 30th – New Manual on Educational Services and School Visits 2020/21 by the “Guide of the Portuguese Geological and Mines Sites”. As in previous school years, a Manual to Educational Services and School Visits for the next school year 2020/2021 will be published in September. Given the conditions resulting from the Covid-19 pandemic, the new edition of the manual will undergo changes, namely the integration of new educational resources in digital format. In July, information on educational activities and resources that Naturtejo Geopark intends to include in the new guide was requested.

IMPACT OF GEOPARK IN MEDIA



TV & Radio

July 26th (RTP) - I'll Go There and Come Back

July 17th (Radio Castelo Branco) - Cycle of Webinars about Portuguese Geoparks started in Termas de Monfortinho

July 28th (RAI – Italian radio) – Have we found ichnofossils on Mars?

Newspapers & www

June 27th (La Stampa – Italian newspaper) – Mars' surface carved by microbes

July 2nd - www.viagens.sapo.pt – Let's go cross the stunning Portas de Ródão?

July 2nd (Reconquista) - Minister inaugurates 'Geocakes' atelier

July 4th (Visão Magazine) – 10 natural hikes

July 13th (Gazeta Rural) - Cycle of Webinars about Portuguese Geoparks started in Termas de Monfortinho

July 17th (Beiranews) - Cycle of Webinars about Portuguese Geoparks started in Termas de Monfortinho

July 30th (Reconquista) – Penha Garcia highlighted in Tourism – Borderland Getaway advised by Magazine

July 30th (Turisver) - Herdade dos Delgados and Fonte Santa Hotel join in a rural luxury program

SCIENTIFIC CONTRIBUTIONS FOR THE GEOPARK AND THE GEOSCIENCES



- NETO DE CARVALHO, C., MUÑIZ, F., GALÁN, J.M., RODRÍGUEZ-VIDAL, J., GÓMEZ, P., TOSCANO, A., RUIZ, F., BELO, J., BELAÚSTEGUI, Z., CÁCERES, L.M., FINLAYSON, G., FINLAYSON, S., GUZMÁN, F.G. & FINLAYSON, C. - First vertebrate tracks and palaeoenvironment in a MIS-5 context in the Doñana National Park (Huelva, SW Spain). *Quaternary Science Reviews*, 243. <https://doi.org/10.1016/j.quascirev.2020.106508>.

- BAUCON, A., PIAZZA, M., CABELLA, R., BONCI, M.C., CAPPONI, L., NETO DE CARVALHO, C. & BRIGUGLIO, A. - Buildings that 'Speak': Ichnological Geoheritage in 1930s Buildings in Piazza della Vittoria (Genova, Italy). *Geoheritage*. <https://doi.org/10.1007/s12371-020-00496-x>.

- CANINAS, J., HENRIQUES, F., MONTEIRO, M., FÉLIX, P., NETO DE CARVALHO, C., PEREIRA, A., HENRIQUES, F.R., MENDES, C. & CARVALHO, E. - A look at Proença-a-Nova's Megalithism (Beira Baixa Intermunicipal Community, UNESCO Global Geopark Naturtejo, Portugal). In: Boaventura, R., Mataloto, R., Pereira, A. (eds.), *Megaliths and Geology*. Archaeopress Publishing, Oxford, 41-56.

PROMOTION FOR THE GENERAL PUBLIC



- Orvalho Geo Trail (promotional video by Municipality of Oleiros)

CICLO DE WEBINARS

Geoparks UNESCO em Portugal

- Geopark Naturtejo** - Os desafios dos Geoparques portugueses no mercado interno alargado (Portugal e Espanha), em contexto de pandemia.
9 julho às 10h30 (9h30 nos Açores)
- Arouca Geopark** - Património Geológico e Geoturismo.
15 julho às 15h (14h nos Açores)
- Geopark Terras de Cavaleiros** - Geoparques e Desenvolvimento Sustentável.
27 julho às 15h (14h nos Açores)
- Estrela Geopark** - A Comunicação nos Geoparques.
9 setembro às 17h (16h nos Açores)
- Geoparque Açores** - A marca UNESCO e a atividade turística.
24 setembro às 17h (16h nos Açores)



CIRCUITOS

CIÊNCIA VIVA

NO VERÃO



atividade gratuita

dia 26, às 9h30m, Penha Garcia, Idanha-a-Nova

"Os Fósseis de Penha Garcia"

Marta Palhim e Joana Rodrigues (Geopark Naturtejo)

Inscrições em www.cienciaviva.pt

PROMOTION FOR THE GENERAL PUBLIC



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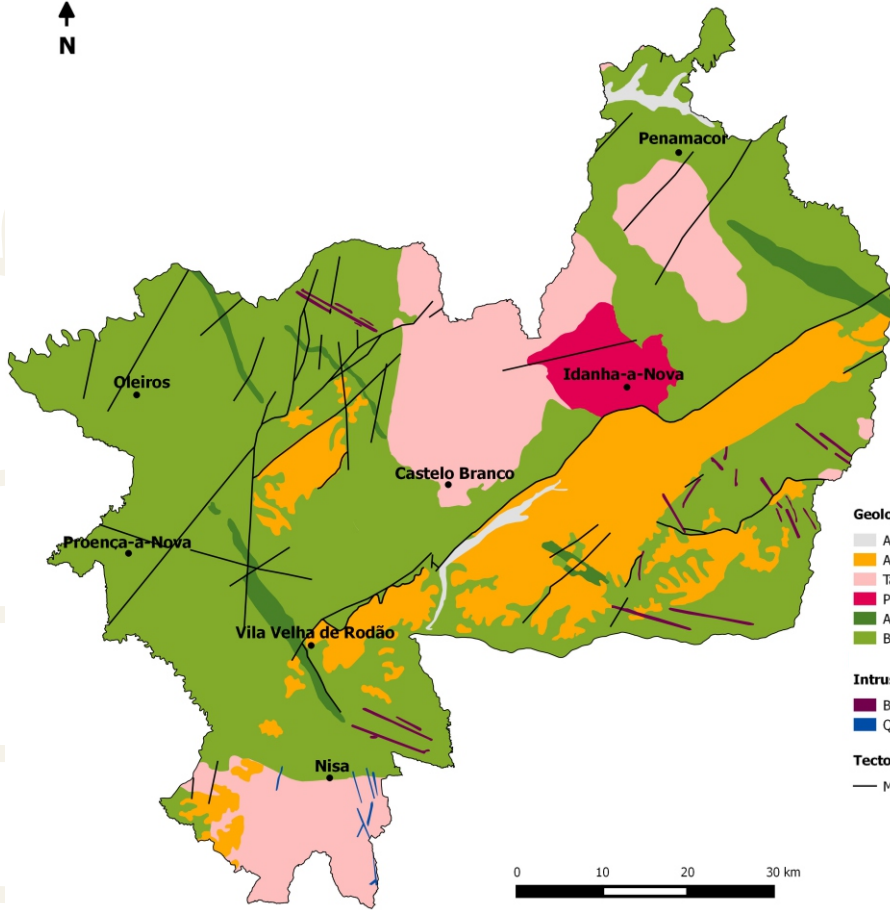
www.youtube.com/geoparknaturtejo



issuu.com/geoparknaturtejo



www.slideshare.net/geoparknaturtejomesetameridional



Geological Formations (Ma-Million years)

- Alluvium and fluvial terraces - Pliocene-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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www.geoparknaturtejo.com