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# CRUZIANA

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

### **MONTHLY ACTIVITIES**





June 26th to July 23rd - Archaeological Camp of Proença-a-Nova 2023. The Proença-a-Nova Archaeological Camp (CAPN) is now in its 12th edition and is a mixed model of work, research and learning camp for students, preferably from the fields of archaeology, history and archaeosciences, which began in 2012 as Proença-a-Nova Archaeological Camp and which has taken on an international character since 2013. The aim of these camps is to study, conserve and divulgate the municipality's archaeological sites, raising awareness to a heritage that is still unknown to many. It has the support of various organisations, including the Municipality of Proença-a-Nova, Upper Tagus Study Association, the Seminary of the Precious Blood, Proença-a-Nova and Peral Parish Union, Montes da Senhora Parish and Emerita, as well as the Naturtejo Geopark.

During the 2023 Campaign, the Proença-a-Nova Archaeological Camp (CAPN) discovered traces of the original floor of an access road to the Fort from the south side of the Bateria das Baterias, in Catraia Cimeira, which is believed to have had an influence on that military structure. At Bateria das Baterias, the aim was to continue the work carried out in 2018, i.e. to "excavate the internal embankment, identify the location of the gunpowder store and other structures that may incorporate the battery". According to Mário Monteiro, who was in charge of the work in this first field, during the course of this work a great deal of progress was made in the investigations. These investigations continued with the 2nd Field at Moita da Galinha Dolmen, in Moitas, where the main goal was the physical and knowledge safeguarding of this prehistoric tomb, which can be integrated into Moitas megalithic complex, preventing unintentional damage related to land use (road network and forest settlement) and any damage that may occur as a result of the increased human load on this site, with its integration into the PR1 PN History in the Landscape walking trail.

In total, this year's campaign involved 14 students, 5 archaeologists and a drawer/designer. The 2023 CAPN was also visited by 3 experts from the two chronologies investigated - Peninsular Invasions (from 1762 to 1808) and Megaliths (over 5000 years of history in the landscape). CAPN 2023 also included other educational activities, such as conferences, debates and study visits. This year there were two conferences, the first on "Environmental impact assessment and the safeguarding of archaeological heritage", on July 9th, with speaker João António Ferreira Marques, from the Directorate General for Cultural Heritage, and the second on "Environmental impact assessment: before, now and after", on July 19th, with Gertrudes Branco from the Regional Directorate for Culture in the Centre speaking.

On July 1st, 8th, 15th and 22nd, Proença-a-Nova Archaeological Site was open for the activity "Being an archaeologist for a day", in which anyone can take part in the excavations accompanying researchers on a field day.

**July 2nd - Transhumance Route, the Council of Europe's new Cultural Itinerary.** Since 2022, Naturtejo Geopark has been a member of the International Association of Transhumance Routes and Rural Paths, whose main objective is to enhance walking routes and the memory of the transhumance landscape. This year the Transhumance Route was certified as a Cultural Itinerary of Europe, the only application to be given the green light by the Council of Europe this year. This was the main objective of this International Association for the start of its activities, which, in addition to the geopark, includes numerous scientific organisations and territories where transhumance is still of superlative importance, from Baja California to Lapland, from Tenerife to Tuscany UNESCO Global Geopark. The next scientific event of the International Association and the first of the European Cultural Itinerary will take place in November in Naturtejo Geopark.



**July 6th to 9th – Revalidation of Luberon Geopark, France.** The Luberon Regional Nature Park, north of Marseille, includes a Geological Reserve due to the importance of its palaeontological record, with the exceptional preservation of invertebrates and vertebrates. This geopark received the UNESCO revalidation mission with Carlos Neto de Carvalho and Angel Hernandez, from the Maestrazgo Geopark. This is a territory where efforts to conserve the landscape are of great importance. Despite the dynamic and relevant tourist activity, the geopark is not prioritised here, showing weaknesses in its affirmation in the face of a well-implemented brand and strategy, which is the Regional Natural Park's.



**July 7th - Summer holiday academy in Penamacor with gold mining.** Every year the Municipality of Penamacor promotes the 'Lynx in Action' Summer Holiday Academy during July and August. Aimed at children and youth between ages of 6 and 16, the initiative includes a range of experiences in various psychopedagogical areas, in a playful context that encourages co-operative interaction between peers.

Over one morning, around 50 children headed to the Meimoa River Beach, not only to take a swim, but also to practise gold mining techniques with the geologist Joana Rodrigues and Miguel Marcelo, from the Municipality of Penamacor. During the activity they talked about the remains of ancient Roman gold mines in the region and how they were exploited.



**July 11th - Preparatory technical meeting for the Forum of UNESCO Global Geoparks in Portuguese-speaking Countries.** The first technical preparatory meeting for the Forum of UNESCO Global Geoparks in Portuguese-speaking Countries was held, following the commitment made by political leaders last March during the Lisbon Tourism Fair.

The meeting brought together the 10 Portuguese and Brazilian Geoparks, as well Potiguar Tourism Promotion Company of Rio Grande do Norte, to start networking, aiming to strengthen ties, deepen and strengthen cooperation between these territories and developing joint projects. Naturtejo Geopark was represented by Joana Rodrigues and Carla Jacinto.



**July 12th - New Educational Programme "GEOfood: Sustainable Food in Portuguese Global Geoparks".** This action was created jointly by the 5 Portuguese UNESCO Global Geoparks as part of the GEOfood Project, an international brand that values the use of food products from local and sustainable agriculture, produced in accordance with the Sustainable Development Goals of the 2030 Agenda. This educational programme is aimed at students in the 3rd and 4th grades of primary school and was created to be applied independently by the class teacher in environmental studies lessons, using the educational resources available on the educational programmes microsite at: https://www.geonaturescola.com/conteudo.php?id=22.



**July 17th to 19th - At the 8th International Meeting of the House of Sciences.** This year's 8th International Meeting of the House of Sciences took place at the University of Aveiro, bringing together hundreds of science teachers and dozens of specialists around the theme of "Energy", once again with the support of Naturtejo Geopark. Various panels, lectures and round tables discussed topics such as 'Energy and climate', 'Energy efficiency: Energy communities (Self-production)' and 'Energy policy'.

With a total of 25 hours of accredited training for teachers, half of it in practical workshops, Joana Rodrigues organised the workshop "Mines Route - Portugal's Geological and Geomining Heritage at Your Fingertips", aimed at teachers of Natural Sciences in the 2nd Cycle of Basic Education.



**July 17th to 20th - A very active participation in the 11th National Geology Congress.** The National Geology Congress is the largest on this subject organised in Portugal, with 300 participants and 400 papers this year. Naturtejo UNESCO Global Geopark team was present in seven papers resulting from scientific cooperation with various national and international entities, such as MARE - University of Coimbra, the Portuguese Centre for Geo-History and Pre-History, IDL - University of Lisbon, the universities of Extremadura and Zanjan.

The inventory of the geological heritage of the municipality of Castelo Branco was presented at the 11th National Geology Congress, held at the Faculty of Sciences and Technology of the University of Coimbra. There are 34 sites of geological importance that have now been made known to the scientific community. The work was carried out by Carlos Neto de Carvalho and Joana Rodrigues as part of the Inventory of the Geological and Geomining Heritage of Naturtejo UNESCO Global Geopark.

Also noteworthy was the presentation of the new geological map of the Penha Garcia area, a project for the municipality of Idanha-a-Nova coordinated by researcher Sofia Pereira, which also resulted in the creation of a valuable collection of more than 650 fossil specimens that will be part of the Trilobites Palaeobiology Interpretation Centre (CI.PT), which is currently under construction and will be the first Naturtejo UNESCO Geopark gateway to be formally established in the territory recognised worldwide for its geological heritage since 2006.

Joana Rodrigues presented the oral communication 'Contribution of the Portuguese UNESCO Global Geoparks to the protection and enhancement of the national Geological Heritage', the result of joint work between the 5 Portuguese Geoparks, which served as a motto for the discussion that followed at the Workshop "Portugal's Geological Heritage: Inventories and Strategies". This workshop, organised by the University of Minho and the National Energy and Geology Laboratory, brought together researchers, professionals and students to discuss the challenges of legally protecting geological heritage in Portugal, as well as the inclusion of geosites in land management instruments. A strategy for linking and integrating existing geological heritage databases in the country was presented.

As part of the National Geology Congress, the 2nd edition of the Special Geosciences Refresher Course for Teachers, organised by the Portuguese Association of Geologists, took place on the theme of "Geosciences: learning from the past to prepare for the future". Joana Rodrigues organised the workshop 'Communicating Geosciences: challenges and opportunities' where she reflected on the challenges and opportunities of communicating to non-specialist audiences and discussed strategies for engaging with the public.



July 20th to 24th - Naturtejo Geopark revalidation mission. Naturtejo Geopark has once again passed a UNESCO revalidation mission. The evaluators were the palaeontologist Luis Alcalá and the geographer Cristian Ciobanu, from the UNESCO Global Geopark of Hateg in Romania. With the support of its municipalities and partners, Naturtejo team prepared a programme that best represented the hard work carried out for the benefit of the Naturtejo UNESCO Global Geopark territory. The visit began with a welcome and technical presentations at Naturtejo's headquarters, the Tourism building in Castelo Branco. The delegation was received by Armindo Jacinto, president of Naturtejo and the Municipality of Idanha-a-Nova, Leopoldo Rodrigues, Mayor of Castelo Branco, João Lobo, Mayor of Proença-a-Nova and Miguel Marques, Mayor of Oleiros. The evaluators visited wellestablished, new projects carried out and underway in the territory, including the Barrocal Park, the Living Science Forest Centre, Idanha-a-Nova Bio Market, Penha Garcia Ichnological Park, Penamacor and Oleiros hiking trails, as well as the Boom Festival. The evaluators were also able to discuss forms of business co-operation with numerous Naturtejo Geopark partner companies, such as Geocakes or Vale de Alfaia, Beir'Aja, Beira Tours, among others. A word of deep thanks to all the organisations and individuals who have made a fundamental contribution to ensuring that Naturtejo Geopark continues to hold a UNESCO green card for the next four years.

**July 26th – 17th anniversary of Naturtejo Geopark.** Naturtejo Geopark is celebrating 17 years since it joined the European and Global Geoparks networks. The 18th Meeting of the European Geoparks Network, organised in the North Pennines Geopark, was the milestone for the long and difficult journey that Naturtejo Geopark has undertaken in favour of the sustainable development of its communities through the enhancement of their heritage.



**July 26th to 29th - Revalidation of Cuilcagh Lakelands Geopark, Ireland.** In 2023, 13 new applications to become a UNESCO Global Geopark entered the evaluation process, plus two requests to change the area by more than 10 per cent. Joana Rodrigues was part of the evaluation mission team for the Cuilcagh Lakelands Geopark, located on the border between the Republic of Ireland and Northern Ireland. This Geopark joined the European Geoparks Network in 2001 and became the first transnational Geopark in 2008. Following the recent change of name from Marble Arch to Cuilcagh Lakelands, the Geopark has submitted a new application to reduce its territory by around 23%.



**July 28th to August 3rd - Revalidation of Araripe Geopark, Brazil.** The Araripe Geopark shares a history with Naturtejo Geopark: both were acclaimed as global geoparks at the 3rd International Geoparks Conference, held in September 2006 in Belfast. Carlos Neto de Carvalho was invited by UNESCO to carry out the 5th evaluation mission to this territory, together with Uruguayan expert César Goso. With a visibility that places it among the best geoparks in the world, Araripe Geopark presents major challenges in terms of the territory's tourism development based on very important natural heritage.



#### **IMPACT OF GEOPARK IN MEDIA**

#### TV & Rádio

July 1st (radiocastrense.pt) – Odemira: New fossils identified in south-west Alentejo July 18th (Rádio Castelo Branco) – Geological heritage of Castelo Branco municipality presented at the National Geology Congress

July 18th (Rádio Cova da Beira) – Castelo Branco: geological heritage is inventoried July 18th (Rádio Urbana) - Castelo Branco has 34 sites of geological significance identified July 18th (SIC Notícias) - Castelo Branco has 34 sites of geological significance identified July 20th (Beira Baixa TV) - Castelo Branco has 34 sites of geological significance identified July 25TH (Beira Baixa TV) - Penha Garcia hosts international school in the areas of agrifood and sustainability

July 25th (Rádio Castelo Branco) - Penha Garcia hosts international school in the areas of agri-food and sustainability

#### Jornais & www

July (Bnn.network) – Fossilized Bird Footprints from Last Glaciation Discovered in Portugal by Naturtejo Geopark

July (Vivre le Portugal) – Fossilised bird tracks from thousands years ago found on the Vicentina nature trail

July 2nd (Passear.com) – Two new fossils found on the south-west coast of Portugal July 2nd (Voz da Planície) – Thousands of years old fossils found on the south-west coast between Odemira and Vila do Bispo

July 2nd (centralnoticias.pt) – Two new fossils found on the south-west coast of Portugal July 4th (correioalentejo.com) – New fossils found on the south-west coast of Portugal July 5th (Gazeta do Interior) – World of minerals shows the Martins da Pedra Collection to the public

July 5th (Gazeta do Interior) – Presented in Penha Garcia - Portuguese and Spanish governments launch Revital

July 6th (Reconquista) – Portugal and Spain launch "Revital" in Penha Garcia - Programme to boost cross-border villages

July 6th (VisãoJunior) – Trails and walkways - weekend hiking with the family July 6th (sciencedirect.com) – Neanderthal footprints in the "Matalascañas trampled surface" (SW Spain): new OSL dating and Mousterian lithic industry

July 12th (BadalNovas) – Muimenta, in Carballeda de Avia, was chosen by the Spanish government as an example within the European Union's Revital project.

July 14th (El País) - The Doñana footprints are Neanderthal and not of a previous lineage, according to a new study on the traces of this species.

July 14th (sciencedirect.com) – Life in a Gilbert-type delta system: Ichnoassociations of the Ventimiglia palaeovalley and their sequence stratigraphic significance (Pliocene, NW Italy) July 14th (Notas de Prensa) – The Doñana footprints are Neanderthal and not of a previous lineage, according to a new study on the traces of this species

July 16th (jornaldeleiria.pt) – New 168-million-year-old dinosaur footprint discovered in Sicó Mountain



#### **IMPACT OF GEOPARK IN MEDIA**

July 18th (phys.org/news) – Fossil trackways reveal first raptor-prey attack in Pleistocene Europe

July 18th (Público) – Castelo Branco has 34 sites of geological significance identified

July 18th (zerozero.pt) - Castelo Branco has 34 sites of geological significance identified

July 18th (Diário Digital de Castelo Branco) – Naturtejo Geopark: Castelo Branco has 34 sites of geological significance identified

July 19th (Gazeta do Interior) - As part of the Geological and Geomining Inventory of Naturtejo Geopark - Geological Heritage of the Municipality presented at the National Geology Congress

July 19th (20minutos.es) – A vertiginous route along wooden footbridges in Portugal\_unique landscapes, viewpoints and waterfalls

July 19th (Interestingengineering.com) – Ancient fossil tracks show evidence of raptorprey attack in Pleistocene Europe

July 20th (Reconquista) - Geological heritage at national conference

July 20th (theportugalnews.com) – 34 sites of geological significance identified in Castelo Branco

July 21st (jornalproenca.pt) – Geological heritage in Castelo Branco

July 23rd (Público) - Castelo Branco has 34 sites of geological significance identified

July 23rd (Diário Digital de Castelo Branco) – Castelo Branco has 34 sites of geological significance identified

July 25th (Diário Digital Castelo Branco) – Idanha-a-Nova - International agri-food students at summer school in Penha Garcia

July 25th (BeiraNews) – Penha Garcia hosts international school in the areas of agri-food and sustainability

July 25th (Agroportal) – International agri-food students at summer school in Idanha-a-Nova

July 25th (Mais beiras) – Penha Garcia hosts international school in the areas of agri-food and sustainability

July 26th (Gazeta do Interior) – Penha Garcia hosts international school in the areas of agri-food and sustainability

July 26th (Jornal de Oleiros) - Penha Garcia hosts international school in the areas of agrifood and sustainability

July 27th (Reconquista) – Idanha-a-Nova – Penha Garcia welcomes youth from seven countries

July 30th (www.contacto.lu/portugal) – Boom Festival

## SCIENTIFIC CONTRIBUTIONS FOR THE GEOPARK AND THE GEOSCIENCES

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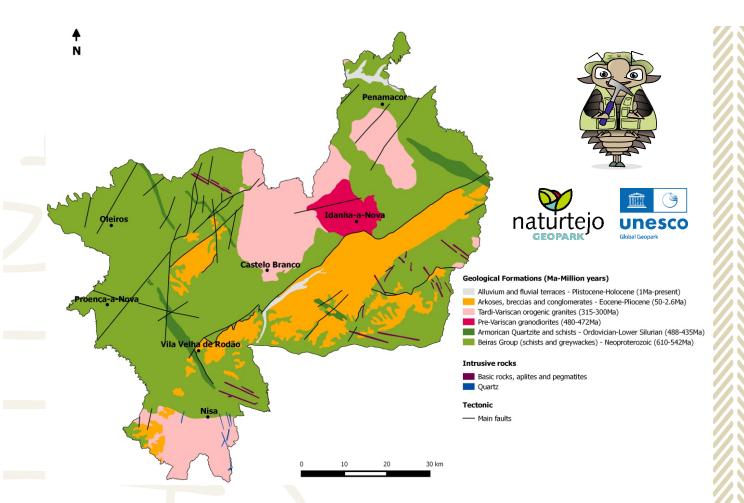
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#### Geoparks: Geology with human face

