

In this issue:

Naturtejo Geopark with positive evaluation by UNESCO for another four years15th European Geoparks Conference in SevillaNaturtejo Geopark and Mixteca Alta Geopark sign cooperation agreementTV Show dedicated to the Geopark in TV series "Network Tourism" of RTP1

.....and more!

CRUZIANA

NATURTEJO UNESCO GLOBAL GEOPARK - E-MAGAZINE







GEO-stories of our places and people: Segura

Segura takes off from the Erges' Cliffs, the last wild river in Portugal. The village appears as cascade down the granite cliff responsible for the deep gorge of the river. Beyond the Nuns Mill the substrate becomes slaty and the valley is reduced but never loses the wild beauty, with raging waters in winter and rugged groves of holm oaks, marked by the proximity of the great Tejo river. In an area of 73.83 km2, the landscape is flat, with cork oak forest, to suddenly fall into the mysterious depths of the border river. The Fragas are examples of this: epigenic gorge shaped by water, of large granite "cantchais" (boulders) serving as landing for numerous griffon vultures and busters of Egypt, this elbow in the river generated by the Segura Fault reveals the "ceiling" of the magmatic chamber where the Segura Granite crystallized. From this circulation of very hot silicate fluids inside the deformed terrestrial crust during the Variscan orogeny resulted in the implantation of numerous veins that fed a mining history of lead, tin, tungstene and barium, sprinkled in gold. Traces of ore times, as well as the Mining Company of Segura, can be found in Cabeço Queimado and in the ruins of the ore treatment factory, as well as in a myriad of small galleries and deep shafts that tear abandoned the earth's bowels from the Bull Mine and the Jew stream, to Tapada do Calvario and Tapada do Barreirão. These are some of the geological treasures of Segura's geodiversity, which can be revealed when traveling along the Mines Route.

The human presence in this border landscape dates back to ancient times shown by the presence of the Granja Dolmen, Curral do Roque and S.Pedro tumuli. The Roman bridge in Segura, national monument deeply marked by successive reconstructions is the passing point to another "Route of Santiago", here the "Estrela Way" through the streets of this historical village. From the medieval castle remains the urban mesh, still girded to the south by the sixteenth century wall. In the square of the old hall of the municipality stands another classified monument, the pillory of Segura, of great decorative beauty. The Church of Mercy is another treasure to discover, the center of a devotion that is unique in the rituals of Lent. Guardians of the cliffs of Segura, Azenha do Roque Freiras (Nuns) watermills are architectural remnants, among several other existing ones, of the use of hydraulic power for cereals processing. Some of these ancient dams today serve as idyllic nooks where colonies of rare bats, migratory birds and summer tourists restore energy. Segura is located at the gates of the Natural Park of International Tejo and its territory fully integrates the Biosphere Reserve, and its geology supports the existence of Naturtejo Geopark UNESCO Global Geopark. A village with 176 inhabitants, a vast region covered by cows and many wildlife. At the Interpretative Centre for Biodiversity we discover the diversity of avifauna that Segura has to reveal. But we must raise awareness of the immense history of this land, from its geological heritage that marks this landscape to the stories of the restoration wars, French invasions, mining labor and wolfram fever, smuggling... ancestral knowledge of pastoral arts, the legend of the Fountain of Mata Mouros or strange inscriptions in the granite cliff.





GEO-stories of our places and people: Segura

The Aromas do Valado Company transforms local plant species into essential oils, a smart and sustainable business with high yields. And this is just an excellent example of what Segura can offer those who invest in its knowledge.

Bilbiography

ANDRADE, M.M. 1949. Subsídios para a monografia de Segura. Ed. Autor, 396 pp.

ANTUNES, I.M.H.R. 1998. Contaminação hídrica na região de Segura, Portugal. Comunicações do Instituto Geológico e Mineiro, 84(1): E102-105.

ANTUNES, I.M.H.R. 1999. Impacte Ambiental de antigas explorações mineiras na região de Segura (Centro de Portugal). Tese de Mestrado, Universidade de Coimbra, 162p.

ANTUNES, I.M.H.R. 2001. Geologia e impactes ambientais na região de Segura. Geonovas, 15: 113-123.

ANTUNES, I.M.H.R., NEIVA, A.M.R. & SILVA, M.M.V.G. 2001. Phosphorus in minerals from granite rocks and quartz veins from Segura, Central Portugal. In: M. Lago, E. Anariz & C. Galé (eds.), Actas del Congreso Ibérico de Geoquímica, Zaragoza: 317-320.

ANTUNES, I.M.H.R., NEIVA, A.M.R. & SILVA, M.M.V.G. 2001. Geoquímica das micas das rochas graníticas e filões de quartzo associados de Segura, Centro de Portugal. Livro das Actas do VI Congresso de Geoquímica dos Países de Língua Portuguesa: 114-117.

ANTUNES, I.M.H.R., NEIVA, A.M.R. & SILVA, M.M.V.G. 2002. The mineralized veins and the origin of old mine workings on the environment at Segura, central Portugal. Chemical Geology, 190: 417-431.

ANTUNES, I.M.H.R. 2003. Contaminação hídrica na região de Segura, Portugal. Ciências da Terra, nº esp. V: E102-105.

ANTUNES, I.M.H.R., NEIVA, A.M.R. & SILVA, M.M.V.G. 2003. Caracterização geoquímica de minerais de jazigos da região de Segura (Castelo Branco). A Geologia de Engenharia e os Recursos Geológicos, Universidade de Coimbra: 157-168.

ANTUNES, I.M.H.R., NEIVA, A.M.R. & SILVA, M.M.V.G. 2003. Geoquímica das rochas graníticas, seus feldspatos e micas da região de Segura, centro de Portugal. In: A. Neiva, L. Nunes, M. Silva & E. Gomes (eds), V Congresso Ibérico de Geoquímica. XIII Semana de Geoquímica, Resumos. Universidade de Coimbra, Departamento de Ciências da Terra: 124-126.

ANTUNES, I.M.H.R., NEIVA, M.R. & SILVA, M.V.G. 2007. Geochemistry of minerals from Libearing granite aplite-pegmatite veins of Segura area (Castelo Branco, Portugal) In: T. Martins & R. Vieira (eds.), Granitic Pegmatites: the State of the Art. Universidade do Porto, Memórias, 8: 28-29.

ANTUNES, I.M.H.R., NEIVA, A.M.R., SILVA, M.M.V.G. & SILVA, P.B. 2010. Mineralogia dos filões aplito-pegmatíticos litiníferos da região de Segura. Ciências Geológicas, 1: 3-13.







GEO-stories of our places and people: Segura

ANTUNES, I.M.H.R., NEIVA, A.M.R., FARINHA RAMOS, J.M., SILVA, P.B., SILVA, M.M.V.G., CORFU, F. 2013. Petrogenetic links between lepidolite-subtype aplite-pegmatite, aplite veins and associated granites at Segura (Central Portugal). Chemie der Erde, 73, 323-341.

BACELLAR BEBIANO, J. 1944. As minas da Empresa Mineira de Segura, Limitada. 140p.

DIAS, R.P., CABRAL, J., ROMÃO, J. & RIBEIRO, A. 1993. Reactivação cenozóica da falha de Segura (Beira Baixa). Comunicações do Instituto Geológico e Mineiro, 79: 63-73.

NETO DE CARVALHO, C.; GOUVEIA, J.; CHAMBINO, E. & MOREIRA, S. (2006) – Geomining heritage in the Naturtejo area: inventory and tourist promotion. Actas do 3° Simpósio sobre Mineração e Metalurgia Históricas no Sudoeste Europeu, Porto: 595-606.

RIBEIRO; C. 1857. Memória sobre a Mina de Chumbo de Segura no concelho de Idanha-a-Nova. Memórias da Real Academia de Ciências de Lisboa: 35-41.

RIBEIRO, C. 1859. Sobre as minas de chumbo de S. Miguel d'Ache e Segura e Castello de Ribeira das Caldeiras no concelho do Sardoal. Memórias da Academia Real das Ciências, 2, 52pp.

RIBEIRO, C. 1859. Memória sobre a Mina de chumbo de Segura no concelho de Idanha-a-Nova. Boletim do Ministério das Obras Públicas, Commercio e Industria, 11: 35-41.

RODRIGUES, J.C., NETO DE CARVALHO, C. & CHAMBINO, E. (2011) - "Há Ouro na Foz!" e outras actividades de divulgação do patrimonio geomineiro do Geopark Naturtejo. In: Batata, C. (ed.), Actas do VI Simpósio sobre Mineração e Metalurgia Históricas no Sudoeste Europeu. Vila Velha de Ródão: 263-283.

ROMÃO, J., CUNHA, P.P., PEREIRA, A., DIAS, R., CABRAL, J. & RIBEIRO, A. 2010. Carta Geológica de Portugal à escala 1/50000, Notícia Explicativa das Folhas 25-C, 25-D, 29-A, Rosmaninhal, Segura, Retorta (sector norte). Laboratório Nacional de Energia e Geologia: 54p.

VIEGAS, L., RODRIGUES, L., RÓMÃO, J. & CARDOSO FONSECA, E. 1988. Estatística univariada e cartas de médias móveis em propecção geoquímica: aplicação à área de Zebreira-Segura (Beira Baixa). Estudos, Notas e Trabalhos, D.G.G.M., 30: 29-36.

The editor Carlos Neto de Carvalho Scientific coordinator Geologist

Cover: (Projecto Objectiva: Geopark)

MONTHLY ACTIVITIES



September - Naturtejo Geopark with positive evaluation by UNESCO for another four years. UNESCO Global Geoparks are single, unified geographical areas where sites and landscapes of international geological significance are managed with a holistic concept of protection, education and sustainable development. Their bottom-up approach combines conservation with sustainable development while involving local communities. The UNESCO Global Geoparks Council is responsible for assessing revalidated and new UNESCO Global Geopark nominations. It makes the decision on whether new applications should be forwarded to the Executive Board of UNESCO for endorsement. Every four years the UNESCO classification is evaluated in Global Geoparks, in order to analyze the evolution of these territories under a UNESCO Programme of great demand regarding the valorization of reference geological heritage for the benefit of sustainable development of territories. At its fourth meeting in Lombok, Indonesia, the UNESCO Global Geoparks Council analysed 13 new applications for UNESCO Global Geoparks, five applications that were postponed due to lack of documentation, a request for territorial extension by a UNESCO Global Geopark and 38 revalidations of existing geoparks. As a result of a detailed examination of the documents sent and evaluation missions on the field, in the presence of observers and representatives from several Member States, the UNESCO Global Geoparks Council proposed a green card to Naturtejo Geopark – UNESCO Global Geopark for another four years. The very positive evaluation is the result of sustainable development policies applied in the territory of Naturtejo Geopark, which includes the municipalities of Castelo Branco, Idanha-a-Nova, Nisa, Oleiros, Penamacor, Proenca-a-Nova and Vila Velha de Ródão, ongoing projects for the valorization of the geological heritage with existing international relevance, as well as the dynamic work of Naturtejo's team, the entity responsible for managing the UNESCO classification, with its municipalities and local companies increasingly adhering to the geopark strategy for the geographical enhancement of its products and services. The UNESCO Executive Board will accept the recommendations of the UNESCO Global Geoparks Council at its spring meeting where 161 UNESCO World Geoparks in 44 countries will be declared, including geoparks in new countries such as Nicaragua, Russian Federation and Serbia.



4 September – A television day dedicated to Naturtejo Geopark. Tourism of Portugal selected a set of nine examples with the aim of raising awareness of good practices of regional tourism development networks, through a new RTP1 series for the summer period "Network Tourism". Naturtejo Geopark was invited to participate in this first series and had a dedicated five-hour program broadcast live from Penha Garcia's Ichnological Park. During the program, several guests were interviewed, such as partner entrepreneurs of Naturtejo Geopark, political representatives and local communities. The special participation of José Maria Barrera, on behalf of Diputacion de Cáceres and Villuercas-Ibores-Jara Geopark, to speak of cross-border cooperation projects with Naturtejo Geopark, as well as Prof. Mário Cachão, University of Lisbon, who was invited to talk about the valorization of geological heritage and the current role of Portuguese geoparks.

Naturtejo Geopark's team marked an active presence in this program, starting with the interview with its president, Armindo Jacinto, after a dance performance of Rancho de Penha Garcia, interventions from geomonuments by Joana Rodrigues and Mariana Vilas Boas, as well as the interviews with Carlos Neto de Carvalho on the geological history of Naturtejo Geopark and Manuel Catana, about educational programs.



5 to 7 September - Naturtejo Geopark in the XVIII National Meeting on Science Education, in Faculty of Sciences of Porto. The National Meeting on Science Education was attended by 300 Sciences teachers, from preschool to higher education. Manuela Catana was present at the event and presented the poster integrated in the theme "Innovation in Science Education", entitled The ESTEAM Project and the Mobile Application "TeachOUT - Outdoor Science Game" at Naturtejo Geopark. It was an excellent opportunity to disseminate the project and the mobile application to teachers from various areas of science.

7 September - Online release of e-book 3 "Guide to Teaching Natural Sciences in Nature: ESTEAM Methodology - TeachOUT Outdoor Science Game". This e-book was developed under the ESTEAM Project and includes a step-by-step guide for geopark teachers and educators and educational institutions to create their own outdoor science games on the TeachOUT App platform. It was created in 4 language versions: Portuguese, English, Slovenian and Norwegian. Games created through the "TeachOUT – Outdoor Science Game" Mobile App enable teachers to innovatively combine new technologies with teaching in nature, through mobile phones or tablets, in a fun and interactive way. This guide also includes 7 tutorial videos to explain the creation of games by teachers and educators who can then share them with their students, all they have to do is downloading the App for free from the App store or Play Store and then select the game(s) created by their teacher/monitor. This app is an interdisciplinary educational resource with enormous potential for UNESCO Global Geoparks to be able to use in its educational programs and share with the teachers/educators of their territories. The ESTEAM Project website where all the information about the project and the mobile application is: www.esteamproject.eu.



11 September – Water Tasting in Termas de Monfortinho.

11 September – Water Tasting in Termas de Monfortinho. The Thermal Animation Program of Termas de Monfortinho is an initiative of the Municipality of Idanha-a-Nova supported bt Naturtejo Geopark and takes place during the summer months. In this period there are films, theater and tours. During one morning, the Baths' patients and all users and visitors of the Monfortinho Thermal Baths were able to taste the thermal water of the Baths and compare it with several Portuguese natural mineral waters, coming from various points of the territory of Naturtejo Geopark and also from other parts of the country. Geologist Joana Rodrigues boosted this blind water taste, in which geodiversity and the unique origin of each water were related with the taste of each one.



14 September – Matosinhos Adventure Cinema Festival. It is the first Adventure Film Festival and has a Nomad seal. From 12 to 15 September, the market of Matosinhos films was filled with talks, exhibitions and workshops with travellers and adventurers. All "to "build bridges between cultures", "to inspire us to explore and protect our planet".

After holding two film shows in previous years, the travel agency Nomad, in partnership with the Municipality of Matosinhos, held the first edition of the Adventure Film Festival. Free entry, the event showcased more than 20 short films under the theme of adventure and discovery spirit. The initiative stands out for its daytime and night-time schedule, in addition to the awarding of monetary prizes to the two best short films. The festival will reward with two thousand euros the best work chosen by the jury and with a thousand euros the film chosen by the public. In addition to being a meeting and sharing point between travellers, explorers and curious the festival program includes conferences, photo exhibitions, workshops and various panel discussion.

Among a wide-ranging line-up, stand out the adventure films screened at night, as well as the presence of renowned guests such as Nathan Thornburgh – former editor and foreign correspondent of Time magazine and producer for CNN's "Anthony Bourdain: Explore Parts Unknown", from the program Bourdain was doing when he died – which comes to talk about the difference between traditional journalism and travel journalism. João Garcia was also present: the first Portuguese to climb Mount Everest comes to present "Thar-Ua", a documentary where he is a protagonist, alongside other colleagues. Carlos Neto de Carvalho was invited to participate in a conversation about "Conservation of Nature in Portugal", attended by José Alho, a historical personality of environmental activism. On the Manifesto esplanade, in the middle of the street, the conversation moderated by the photographer António Luís Campos focused on the importance of protecting the geological heritage and how geoparks contribute to the conservation of nature in Portugal.



19 and 20 September - OrdoChristi Congress.

19 and 20 September - OrdoChristi Congress. Ending in September, the Scientific Investigation and Technological Development Project "Ordo Christi – Artistic Heritage of the Order of Christ between Zêzere and Tejo (15th and 16th Centuries)", of which the Politechnic Institutes of Castelo Branco, Guarda and Tomar, as well as Naturtejo Geopark took part. The Ordo Christi Project is intended to stand as a communication tool, providing auxiliary instruments for the preservation of historical-artistic memory and for the tourist dynamism of the region. To close this project, the Congress "Artistic Heritage of the Order of Christ between Zêzere and Tejo – 15th and 16th centuries" was organized, and the results of these two years of research were presented, proving the importance that the Order of Christ assumed in the region, with multiple historical and artistic manifestations that can be explored by the vast heritage associated with the Commends between Tejo and Zêzere rivers. The first day, at the School of Applied Arts of IPCB, was dedicated to the presentation and discussion of topics such as Military Orders and Territory, the Historical and Artistic Heritage of the Order of Christ and the Communication of Heritage, including a visit to Our Lady of Mércoles. Joana Rodrigues presented the territory and landscape between Zêzere and Tejo. The second day of this scientific meeting began in Castelo Novo (Fundão), with round tables on The Municipalities and the Importance of Heritage Policies and on Heritage and History, attended by the Presidents of the Municipalities of Fundão and Idanha-a-Nova, representatives of the municipalities of Vila Velha de Ródão and Castelo Branco and the Diocese of Portalegre-Castelo Branco. The closure took place in Idanha-a-Velha, with a guided tour and presentation of the Ordo Christi Routes. In addition to studying the presence of the Order of Christ in the Inner Border, Ordo Christi aims to contribute to the valorisation, safeguarding and dissemination of the immovable and mobile artistic heritage associated with the commends of this order between the two Iberian rivers. As result of the project, tourist routes and descriptive forms of buildings and integrated heritage were created, available on the website, with maps, information system and guidance, infographics, videos and animated images.

The Congress had as partners the municipalities of Castelo Branco, Covilhã, Fundão, Idanha-a-Nova, Penamacor and Vila Velha de Ródão, the dioceses of Guarda and Portalegre-Castelo Branco, also counting on the consultancy of the Institute of Art History of the Faculty of Letters from the University of Lisboa.



21 September – Seminar "Interiority" in the Schist Village of Figueira. The Schist Village of Figueira (Proença-a-Nova) hosted the 4th edition of "Interiority" organized by Jornal do Fundão newspaper, to discuss "Inland Tourism: value resources, dare to be different". The seminar was attended by the Secretary of State for Inland Valorisation, João Paulo Catarino and the President of the Municipality of Proença-a-Nova, João Lobo, in a discussion that intended to bring reflections to the heart of the communities and joined by dozen speakers. Joana Rodrigues represented Naturtejo Geopark in a panel dedicated to the theme "Valuing resources, differentiating offer", attended also by Mateus Brandão, writer and Nomad travel leader, Apolónia Rodrigues, by Darksky Tourism, Francisco Godinho by Monte Barbo wines, Rui Lopes, chef and consultant in gastronomy and restoration, sparingly by Joana Pereira, by Casa da Ti Augusta.



24 to 27 September - Naturtejo at the 15th European Geoparks Conference. The 15th European Geoparks Conference took place in Seville. Under the theme "Geoparks: memory of the Earth, future for people" this conference organized by the Regional Government of Andalusia brought together more than 400 participants from all continents, including representatives of Naturtejo UNESCO Global Geopark. Carlos Neto de Carvalho, Maria Manuela Catana and Joana Rodrigues presented some of the latest projects developed in this UNESCO-designated territory that includes the municipalities of Castelo Branco, Idanha-a-Nova, Nisa, Oleiros, Penamacor, Proença-a-Nova and Vila Velha de Ródão. Importantly, Naturtejo UNESCO Global Geopark was under a UNESCO evaluation period, which takes place every four years. Last July the territory was visited by a UNESCO evaluation mission to analyse the progress of the last four years under this designation. Representatives of Naturtejo Geopark also attended the 44th Meeting of the Coordination Committee of the European Geoparks Network which took place in Seville's Sierra Norte UNESCO Global Geopark in the days immediately preceding the start of the European Geoparks Conference. Armindo Jacinto, Chairman of the Board of Naturtejo and Carlos Neto de Carvalho, scientific coordinator of Naturtejo Geopark, marked an active presence at the network coordination meeting, with the direction of the Working Group for Tourism and preparation of the strategy for the promotion of the UNESCO Geoparks' brand at the upcoming international tourism fairs.



28 September - European Heritage Days: Colloquium Beira Baixa's Routes: Historical and Geographical Approach to Mobility. OThe Interpretative Centre of Forts and Batteries in Sobreira Formosa, in the municipality of Proença-a-Nova, was the place chosen to host the Colloquium "Beira Baixa's Routes: Historical and Geographical Approach to Mobility". A joint initiative of the Municipality of Proença-a-Nova and the Association of High Tejo Studies which was integrated in the European Heritage Days 2019.

The Association of High Tejo Studies reinforces that, "mobility appears to be a fundamental process in the development of human experience and, consequently, in its understanding". In this sense, the organization of the colloquium considers that it is "of great importance the analysis of roads in a territory such as Beira Baixa, always based on a holistic and long-lasting perspective". Archaeologists, historians, anthropologists and military speakers participated as invited speakers. Carlos Neto de Carvalho presented a reflection on the more than 1000 km of marked walking trails in the territory of Naturtejo Geopark and its potential for touristic valorisation. This event hosted the very special participation of the partners from UNESCO Global Geopark of Mixteca Alta, visiting Naturtejo Geopark, with the presentation of Xóchitl Ramírez's research work on the mules' paths in her home land during the first half of the last century.

28 September - Program at Naturtejo Geopark. During the weekend Naturtejo Geopark hosted a group of 12 visitors from Lisbon to discover the Historical Village of Idanha-a-Velha and the Ichnological Park of Penha Garcia, guided by our partner of Geolife Tours.



28 September – Schist and Cork Workshop in Álvaro. Under the Ten Villages, Ten Experiences initiative, took place in Álvaro, the Schist and Cork Workshop. The walk, about 6 km, was in the village of Gaspalha, covering some of the trails of the PR1 "By the Zêzere Meanders" and the GR33 "Zêzere Trail", with stops in places such as Fonte da Vila fountain, Ribeira de Alvélos Bridge and the Viewpoint of the Mother Church's square in Álvaro. Participants visited a shoe making workshop and a cork workshop, with artisans working on their raw materials. Local guides shared legends, testimonies of inhabitants and the former boatman, historical notes, namely the connection to the Order of Malta, highlighting the Religious Heritage, with a brief passage through the Camino de Santiago and visit to the Mercy Church and the Mother Church. Geologist Joana Rodrigues addressed the landscape marked by schist and the importance of this rock for communities, also highlighting the Geological Heritage in particular for the geomonument of the Zêzere Meanders.



28 and 29 September – Protocol for Cooperation between Naturtejo and Mixteca Alta UNESCO Global Geoparks for research and promotion of territories. During the 15th European Geoparks Conference held in Seville, a collaboration agreement was signed between the UNESCO Global Geoparks Naturtejo and Mixteca Alta in Mexico. The main objectives of this protocol is to investigate and disseminate the agricultural heritage existing in these two territories, with particular reference in the case of Mixteca Alta for the genetic preservation of traditional varieties of maize and structures built by the pre-Hispanic Mixteca culture for thousands of years as adaptation to poor soils, as also happened in the territory of the Naturtejo Geopark. The agreement also opens the discussion between these two territories on ways to enhance the value of handicrafts and local products.

An entourage of the UNESCO Mixteca Alta Global Geopark, composed by researchers from the National University of Mexico and the archaeologist and consultant Ronald Spores, from the USA, had the opportunity to visit Naturtejo Geopark. In this short visit, they attended the Colloquium "Beira Baixa's Routes" organized by the Municipality of Proença-a-Nova in Sobreira Formosa, where the geographer Xochitl Miguel made a presentation on her research project on the mobility of products in the territory of Mixteca Alta in the first half of the 20th century. The delegation also visited in the territory of Naturtejo Geopark the Living Science Forest Centre as an example of a museum of strong intervention in the region, the Schist Village of Figueira, where the study of the abundant agricultural terraces in its surroundings was provided; already in the municipality of Idanha-a-Nova they visited the unique geocultural heritage of Monsanto and the Ichnological Park of Penha Garcia.



29 September - World Tourism Day: Thematic Visit "Life on Erges" in Segura. 11 people participated in the activity organized by the Municipality of Idanha-a-Nova (Nature Tourism and Educational Services), with the support of Naturtejo Geopark and the Union of Parishes of Zebreira and Segura, integrated in the Program "Beira Baixa Cultural", promoted by the Intermunicipal Community of Beira Baixa. The thematic visit included a guided tour to the Biodiversity Interpretation Center "Lands of Idanha" and a circular footpath of about 1.5 km for observation and identification of birdlife, flora, geodiversity and traditional architecture heritage (namely a windmill and the international bridge of Roman origin) in the area of the Erges River Canyon geomonument, in Segura. The walking trail took place in the heart of the Natural Park of Tejo/Tajo International, Crossborder Biosphere Reserve of Tejo/Tajo International and one of the 17 geomonuments of Naturtejo Geopark. This activity was boosted by Manuela Catana, Paulo Longo and the photographer Rúben André, with the logistical support of Luís Anahory and Edgar Berinquilho.



IMPACT OF GEOPARK IN MEDIA

Newspapers & www

September (Ensino Magazine) - Guarda, Castelo Branco, Tomar and Naturtejo: Ordo Christy associated institutions

September (Raiano) – RTP1 promotes Naturtejo Geopark

- 1 September (Diário Digital) Naturtejo: RTP1 promotes Naturtejo Geopark from Penha Garcia
- 4 September (Gazeta do Interior) RTP1 promotes Naturtejo Geopark from Penha Garcia
- 12 September (Reconquista) Thematic Workshop: Álvaro highlights Schist and Cork
- 18 September (Gazeta do Interior) Polytechnic's Project promotes artistic heritage between Zêzere and Tejo
- 19 September (Reconquista) Artistic Heritage of Zêzere and Tejo Ordo Christy is Congress in ESART
- 19 September (Jornal do Fundão) Looking at the Inland from a village
- 25 September (Gazeta do Interior) Álvaro host workshop Ten Villages, Ten Experiences
- 26 September (Reconquista) Schist Workshop is this Saturday in Álvaro
- 26 September (Jornal do Fundão) Inland Tourism Value resources, dare to be different
- 26 September (Jornal do Fundão) Project | Research and Trails creation | Valorisation of the Christ Order assets

SCIENTIFIC CONTRIBUTIONS FOR THE GEOPARK AND THE GEOSCIENCES

- CATANA M.M. & BRILHA J. UNESCO Global Geoparks and formal education: what is being done? In: Abstracts Book of the 15th European Geoparks Conference. Natural Park Sierra Norte de Sevilla UNESCO Global Geopark, Junta de Andalucia, Spain, pp. 52.
- CATANA, M.M., AZEITEIRO, A., NETO DE CARVALHO, C., CANTINHAS, E., VILAS BOAS, M., JACINTO, C., KAVI, M.G., ERJAVEC, N., HOMOVEC, L., SEVER, M. SKOGEN, J.C., THJOMOE; P., GENTILINI, S., ŠMUC, A., POPIT, T., BJORNSSON, L.B. & GUNNLAUGSDOTTIR, S.A. O projeto ESTEAM e a aplicação móvel "TEACHOUT Jogo de Ciência ao Ar Livre" no Geopark Naturtejo. In: Vasconcelos, C., Ferreira, R.A., Calheiros, C., Cardosas, A., Mota, B. & Ribeiro, T. (eds.), XVIII ENEC|III ISSE, "Educação em Ciências: cruzar caminhos, unir saberes". Univ. Porto Edições, 298-299.
- CATANA M. M., GORJUP KAV I M., JOHANNESSEN SKOGEN C., AZEITEIRO A. & HOMOVEC L. The ESTEAM Project and the Mobile Application "TeachOUT Outdoor Science Game". In: Abstracts Book of the 15th European Geoparks Conference. Natural Park Sierra Norte de Sevilla UNESCO Global Geopark, Junta de Andalucia, Spain, 60.
- JOHANNESSEN SKOGEN C., THJØMØE P., GENTILINI S., GORJUP KAV I M., ERJAVEC N., VILAS BOAS M., CATANA M. M., NETO DE CARVALHO C., HOMOVEC L., SEVER M., AZEITEIRO A., CANTINHAS E., ŠMUC A., POPIT T., BJÖRN BJÖRNSSON L. & GUNNLAUGSDÓTTIR A. (eds.) (2019). Guide for Outdoor Teaching in Natural Sciences: ESTEAM Methodology TeachOUT Outdoor Science Game. Idrija Tourism Board. Slovenia. 40 p. (versões em português, inglês, esloveno e norueguês).
- NETO DE CARVALHO, C. Valorização paisagística e desenvolvimento turístico com a estruturação de percursos pedestres: exemplos com a análise da situação actual no Geopark Naturtejo Geoparque Mundial da UNESCO (distritos de Castelo Branco e Portalegre). Colóquio Vias das Beira Baixa: abordagem histórica e geográfica à mobilidade. Edifício dos Fortes e Baterias, Sobreira Formosa, 3-4.
- NUNES, J.C., NETO DE CARVALHO, C., SÁ, A., PEREIRA, D. & VIEIRA, G. "Litoteca": a new project for networking among Portuguese Geoparks. 15th European Geoparks Conference, Seville, Abstracts Book, 118.
- SANTOS, V.F., CASTANERA, D., CACHÃO, M., CAETANO, P.S., CALLAPEZ, P.M., NETO DE CARVALHO, C., MOCHO, P., OLIVEIRA, J., SANTOS, C. & MARQUES DA SILVA, C. New Middle Jurassic tracks from Outão (Setúbal, West Central Portugal). 8th Symposium about Dinosaurs Palaeontology and their Environment. Abstracts Book, Colectivo Arqueologico y Paleontologico de Salas C.A.S., 119-120.
- Rodrigues, J. Revealing Hydrogeological Heritage in Naturtejo UNESCO Global Geopark (Portugal). 15th European Geoparks Conference, Seville, Abstracts Book, 69.

PROMOTION FOR THE GENERAL PUBLIC











PROMOTION FOR THE GENERAL PUBLIC





Visit Naturtejo Geopark in:



www.geoparknaturtejo.com



www.facebook.com/geoparknaturtejo.mesetameridional



www.instagram.com/geopark_naturtejo/



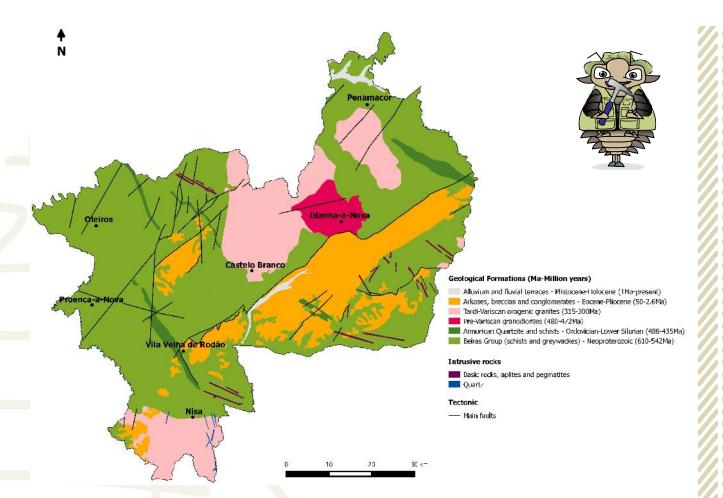
www.youtube.com/geoparknaturtejo



issuu.com/geoparknaturtejo



www.slideshare.net/geoparknaturtejomesetameridional



Geoparks: Geology with human face

