



### **In this issue:**

The largest Geoparks participation ever at the International Tourism Fair in Berlin  
Naturtejo Geopark and Municipalities with high representation at the International Tourism Fair in Lisbon

41st Meeting of the EGN Coordination Commission in Swabian Alb

**...and more!**

# **CRUZIANA**

**GEOPARK NATURTEJO DA MESETA MERIDIONAL - UNESCO GLOBAL GEOPARK - E-MAGAZINE**

## GEO-stories of our places and people: Salvador

Salvador stands in the initial slope of the Syncline of Penha Garcia extending to the Province of Ciudad Real. This immense quartzite wall facing South marks the landscape of the border: the syncline of Penha Garcia-Cañaverál-Monfrague-Santa Luzia is perhaps the most beautiful tectonic fold in the Portuguese landscape. From the Viewpoint of Campo Frio one can appreciate the whole surrounding, with highlight to the development of the two limbs of the fold: the flat Plateau which ends sharply against the great scarp of the Iberian Central Mountain Range in the Malcata/Gata, the granitic inselbergs between Monsanto and Penamacor and in a very close plan, the quartzite scarps of Ramilo Mountain. An access from Jacinto Cândido Street takes the visitor to cover the immense mountain made of rocks ruffled by time. This area is rich in sedimentary evidences from the primitive Rheic Ocean, including several interesting testimonies of benthic life on this deep ocean expanding 470 million years ago. Associated to what happened to these rocks over hundreds of millions of years, the Vieiros occur along the quartzite hillside. These ancient mines took advantage of the tectonic faults that restrict the area of the quartzite ridge, rich in iron, manganese and who knows what else. Limonite and goethite were the main ore minerals exploited in Vieiro das Gralhas in former times, and here were transformed by metallurgical processes leaving traces in slags. In the beginning of the 19th century, the large ancient mine vault would have protected the people in Salvador from the first Napoleonic Invasion, used as shelter. In the late 19th century, manganese was exploited here, in Vieiro do Almagre and other mines, marking the slope of the mountain covered by pine trees nowadays. In the beginning of the first millennium, Salvador was the Terminus Augustale between Igaeditani and Lanciensis Oppidani. The primitive settlement arose where Sítio dos Covões is now and only much later finally located on the overlying hillside next to the agricultural properties extending into West in granite soils and covering 10,21km<sup>2</sup> in the parish. For its 476 inhabitants the wealth source is agriculture. More recently, the agro-tourism Quinta da Mina took advantage of the beautiful rural landscape frame in Salvador. Ramilo Mountain opens wide possibilities for finding nature tourism whether walking, by bicycle or on horseback, which is expected to be included in the Armorican Quartzite Route and the International Appalachian Trail. Vieiros, with its huge historical and adventure tourism potential remains unexploited. In a small area full of Geodiversity, overwhelming landscapes, rocks with fossils and ancient mines smelling like adventure (and large communities of bats), nature tourism may create attractive opportunities allowing to enjoy land products, as olive oil traditionally produced in the local milling factory

### Bibliography

NEIVA, A.M.R. & CAMPOS, T. (1991) - O plutão granítico zonado de Penamacor-Monsanto, Centro de Portugal: génese e alteração hidrotermal. III Congresso Nacional de Geologia: 58.

## GEO-stories of our places and people: Salvador

NEIVA, A.M.R. & CAMPOS, T.C. (1992) - Genesis of the zoned granitic pluton of Penamacor-Monsanto, central Portugal. *Memórias e Notícias, Publicações do Museu e Laboratório de Mineralogia e Geologia da Universidade de Coimbra*, 114: 51-68.

NEIVA, A.M.R. & CAMPOS, T.C. (1993) - The zoned granitic pluton of Penamacor-Monsanto, central Portugal: hydrothermal alteration. *Memórias e Notícias, Publicações do Museu e Laboratório de Mineralogia e Geologia da Universidade de Coimbra*, 116: 21-47.

VILAS BOAS, M., NETO DE CARVALHO, C., RODRIGUES, J.C. & VALENTE, A. (2015) – Património Geológico de Penamacor: inventário de Geossítios e propostas para a sua valorização. *Açafa Online* 10, 23-72.

VILAS BOAS, M., RODRIGUES, J. & NETO DE CARVALHO, C. (2016) – The ichnological geosite of Salvador (UNESCO Naturtejo Global Geopark, central Portugal) and the connection of the International Appalachian Trail between Portugal and Spain. In Baucon, A., Neto de Carvalho, C. & Rodrigues, J. (eds.), *Ichnia 2016: Abstract Book*. UNESCO Geopark Naturtejo/International Ichnological Association, Idanha-a-Nova, 292-293.

Cover: (Projecto Objectiva: Geopark)

The editor  
Carlos Neto de Carvalho  
Scientific coordinator  
Geologist



# MONTHLY ACTIVITIES



**1 March – Geopark with the Moeda Caves at QUALIFICA.** This 12th edition of the Education, Training, Youth and Job Fair happened from 28th February to 3rd March, in the Showroom of Exponor in Matosinhos. QUALIFICA offered a lively programme full of activities allowing visitors to know a wide educational offer both national and international. The Fair is dedicated to students and teachers for the 3rd Cycle, Secondary School and High School, as well as families. Naturtejo Geopark attended as exhibitor to promote its Educational Programmes, in a space shared with the Municipality of Valongo, the Guide of the Portuguese Geological and Mines Sites of Portugal, in a stand provided by the Moeda Caves. The mascot Judite, the Trilobite cheered the stand, together with Joana Rodrigues, Manuela Catana and Mariana Vilas Boas.

**1 March – Field Trip “Trilobites, Dinosaurs and Caves in the Rocks of Centre of Portugal”.** This 2 day- field trip was attended by 48 students and 4 teachers of 10th and 11th grade from the Secondary School Campos Melo in Covilhã, within the framework of Biology and Geology disciplines. The first day was dedicated to visit the Moeda Caves and its Interpretative Scientific Environmental Centre and the Natural Monument Dinosaurs Footprints in Serra de Aire, where the group held a workshop to measure footprints. They slept in the territory of Naturtejo Geopark and the second day was dedicated to the Field Trip “Fossils of Penha Garcia and Boulders of Monsanto”. This two day field trip in the Centre of Portugal allows students to better learn the Rock Cycle, as it includes sedimentary, metamorphic and magmatic rocks as well as concepts as body fossils and ichnofossils. The trainer for this field class in Naturtejo Geopark was Rita Cortez, from the partner company Casa do Forno.

**2 and 3 March – Olive Oil and Smokehouse Festival in Proença-a-Velha.** Proença-a-Velha hosted another edition of the Olive Oil and Smokehouse Festival to promote the Municipality of Idanha-a-Nova, UNESCO Territory and first Bio Region in Portugal as gastronomic and cultural premium destination. During the weekend, the Olive Oil Centre and Quinta da Nora received several activities for the entire family in a great atmosphere to the many visitors.

“This event aims to promote our quality products, particularly the olive oil and the sausages, but also our gastronomy, handicrafts and culture”, said João Carlos Sousa, councilman in the Municipality of Idanha-a-Nova, for the opening ceremony. Together with the councilwoman Elza Gonçalves, both highlighted the importance of these events “to promote local products, many already organic, to boost local economy and raise the population’s self esteem that conquer visitors for their hospitality, knowledge and flavours”. For this 17th edition, the Olive Oil and Smokehouse Festival had olive oil tastes, preparation of traditional sausages, children workshops, street entertainment and concerts.



**6 to 10 March - The largest Geoparks participation ever at the International Tourism Fair in Berlin.** UNESCO Geoparks had the largest and most dynamic participation ever in ITB, the most important tourism fair in the world. This was also the biggest delegation ever present in Berlin to promote UNESCO Geoparks as innovative and sustainable destinations in the international tourism market. 28 geoparks attended, including Messel Pit - World Heritage Site, in the largest UNESCO Geoparks' stand ever, with 72m<sup>2</sup> in the Adventure Travel & Responsible Tourism Hall. This partnership was coordinated once again by Naturtejo Geopark and included not only European Geoparks, but also Langkawi Geopark, as Malaysia was the invited country for ITB this year. The work group for Tourism in the European Geoparks Network, with Carlos Neto de Carvalho as catalyst, organized the first tourism packages GGN Tour Packages 2019, which included 13 of the best experiences organized by UNESCO Geoparks to present to tourism operators.

The Global Geoparks Network organized right after the official ITB opening ceremony an important Press Conference to present UNESCO Geoparks proposals for this year. German Geoparks also organized their press conference dedicated to German media. The Pow-Wow also hosted several Geoparks' presentations for tourism professionals.

The presence of Geoparks in the largest and most important tourism fair in the world grows every year. The stand UNESCO Geoparks had several activities and local products tastes. Naturtejo Geopark, supported by other Geoparks, organized a product tasting for visitors right after the closure of the first day dedicated to professionals. Several business contacts were established with tourism operators and also with diverse authorities from different countries searching for information on how to develop a Geopark project in their countries. Naturtejo Geopark team was formed by its President, Armindo Jacinto and the Scientific Coordinator, Carlos Neto de Carvalho, as well as Joana Rodrigues, Carla Jacinto and António Galante, with Alice Marcelo bridging between the office in Castelo Branco and the operations in Germany. ITB days are always intense but once again Naturtejo Geopark represented its territory, for the 8th consecutive year, searching for business opportunities and investment in a high competitive and always evolving industry.

**8 March - Students from the School Group José Belchior Viegas, in Algarve, learn in the Geopark.** 35 students of the 10th grade and 4 teachers from the School Group José Belchior Viegas held a field trip within the framework of Biology and Geology disciplines. Students learned and reminded concepts on biodiversity and Geodiversity in the Fossils Trail in Penha Garcia and the Boulders Trail in Monsanto. The instructor for this activity was Rita Cortez.



**12 to 14 March - Multimedia tool of the Geopark in the IT and New Technologies Forum.** The 12th IT and New Technologies Forum – INFOTEC XII, in the Superior Technology School of the Polytechnic Institute of Castelo Branco was organized by the IT Technical and Scientific Unit aiming to provide students of the secondary school and professional courses a broader and practical knowledge of available courses and build bridges with technology companies, possible future employers of the graduates in the area of IT. Once again the event was attended by several entities and companies involving students, as Naturtejo Geopark, represented by David Folgado and Tiago Manteigas, students of Multimedia Products Development in the Superior School of Technology, and Ana Rita Dias student of Audiovisual Communication in the Superior School of Arts, all interns under the guidance of Professor Pedro Silva and the Geologist Joana Rodrigues. All three promoted multimedia tools to explore Naturtejo Geopark developed in partnership between the Technology School and Naturtejo Geopark over the last years.



**13 to 17 March - Naturtejo Geopark and the Municipalities of the territory highly represented in the International Tourism Fair in Lisbon.** Naturtejo Geopark attended, once again, with its own stand the 31st BTL, the International Tourism Fair of Lisbon, in the year of the 20th anniversary celebration in the new installations in which the fair returned to occupy 4 pavilions and was considered the biggest ever. 1150 exhibitors attended the fair, and 77 000 visitors of which 39 000 professionals.

The Municipalities gathered for the promotion of this unique territory, with its geological heritage internationally recognized, the diverse resources, the events and tourism facilities, with a rich animation programme which included gastronomic tastings, musical moments and presentation of local products and tourism products.

Naturtejo Geopark promoted its tourism products, mainly "Tours by Naturtejo Geopark" in meetings with tourism operators, during the days dedicated to professionals and to general public, who increasingly recognize and search the destination Naturtejo Geopark. The fair also allowed strengthening contacts and partnerships, as the close collaboration with the Moeda Caves. The Cultural Agenda of Naturtejo Geopark for the 1st semester of 2019 with the main differentiator events in this UNESCO territory was also released.

The contest "Find Gold", a simulation of gold panning, inspired by one activity available in the Geopark in the banks of Tejo, Ocreza and Ponsul Rivers, attracted the public's attention and offered various gifts and prizes.

Also the Geoproducts from Naturtejo Geopark were promoted, innovative products based on Geodiversity or the Geological Heritage of Naturtejo Geopark, related to the landscape elements, the landscape identity and the territory authenticity and identity.

This year the joint location of the stands of Naturtejo Geopark, Beira Baixa Intermunicipal Community, Municipalities of Castelo Branco, Proença-a-Nova and Penamacor allowed enhancing the promotion of all municipalities and all the territory.

The space was boosted by Naturtejo Geopark technicians, in partnership with the municipalities of Idanha-a-Nova and Oleiros, in collaboration with all the municipalities to the animation on the stand and also the contagious enthusiasm of the mascot Judite, the Trilobite.

### **14 to 17 March - XVIII Conference of the Spanish Association for Heritage Interpretation held in Monsanto.**

A border territory is a place of unique joint development. Immerse in the landscape on the one hand, we have people, generating common memory, on the other hand, at the same time are the biological dynamics - in its natural logic - beyond the borders established by geopolitical criteria. The border as a shared place contains also diversity. On this XVIII Conference of AIP, technicians met to discuss Heritage interpretation and the legacy generated by communities in transition territories; forms arise by coexistence and current ways used for conservation and communication of the collective memory. From the border line between Portugal and Spain, known as Raia or "la Raya", this meeting was held in an interesting site in the border, Monsanto, in the Municipality of Idanha-a-Nova (Portugal). During the meeting participants experienced how communities on both sides of the border were complicit in their culture and way of life and also the wealth of blended languages and the tangible and intangible heritage elements representing a report built with their own identity signs.

Between Portugal and Spain there is a shared story and geography, the ecotones and physiographic elements connect or make a natural barrier, species like the lynx, the vultures and the wolf cross the barrier raising the need for a common management by entities on both sides. However, that is not always like this, often the political lines show differences in the design of the management forms and over time this has had consequences on the natural heritage.

A Border area also show a mark of war stories, battles, conquers and regains, defence, espionage, political refugee, emigration, contraband. Tangible and important intangible heritage lost by times are gathered. Castles show ancient military borders. Smuggling, as result of different access to certain assets on each side, generated in the area a huge intangible legacy in form of stories told today by historical reenactment, games and museums.

Addressing this issue from a local reality and concrete geography, is an opportunity and also a commitment to the AIP; to promote a dialogue with professionals and entities that, in addition to live in the territory, think about it, work on it and propose their solutions for the preservation and communication of their heritage values. The wealth is in the mix so in Monsanto during these days, participants played in a symbolic way the cross-border exchange.

In their annual meeting, members of this Spanish association had the chance to visit and discover Naturtejo Geopark. Carlos Neto de Carvalho attended the meeting to present the territory of the Geopark where Geodiversity knows no borders and where international partnerships within the framework of UNESCO Global Geoparks Network help developing the region.

**15 March - Open Class on Geotourism in the Faculty of Letters, University of Coimbra.** Carlos Neto de Carvalho was invited by the Director of the Geography and Tourism Department, Professor Dr. Norberto Santos, for an open class in the Faculty of Letters of University of Coimbra, on the Master Course in Tourism, Territory and Heritage. Under the theme Geotourism in Geoparks particularly for Portuguese Geoparks and the work developed by Naturtejo Geopark.



**16 March – Tourism Operators from Japan visited Naturtejo Geopark.** A group of tourism operators from Japan, accompanied by the Tourism Technician for Portugal in Japan's office, Chizu Takaoka, came to discover the Historical Villages of Naturtejo Geopark, UNESCO Global Geopark. The group visited Monsanto and Idanha-a-Velha and did not miss the chance to taste local delicacies during lunch.



**19 March – 3rd Participative Meeting of the Pilot Project for the Collaborative Management of Tejo International Natural Park.** Castelo Branco hosted, in the Innovative Companies Centre, the 3rd Participative Meeting of the Pilot Project for the Collaborative Management of Tejo International Natural Park (PNTI). Again, institutional representatives gathered municipalities, associations, businessmen, investigators, specialists and technicians in discussed themes for an active and interested participation of the key actors in PNTI, for a session marked by the presence of the Secretary of State for Regional Planning and Nature Conservation, Célia Ramos, the Vice Presidents of the Municipalities of Castelo Branco, Idanha-a-Nova and Vila Velha de Ródão and also the Vice President of EUROPARC Federation. Following the diagnosed actions on the previous Session, all participants discussed acting forms for the diverse themes as contribute for the collaborative management of the Natural Park. Naturtejo Geopark was represented by the Geologist Joana Rodrigues, in the rearranged group Heritage and Tourism.





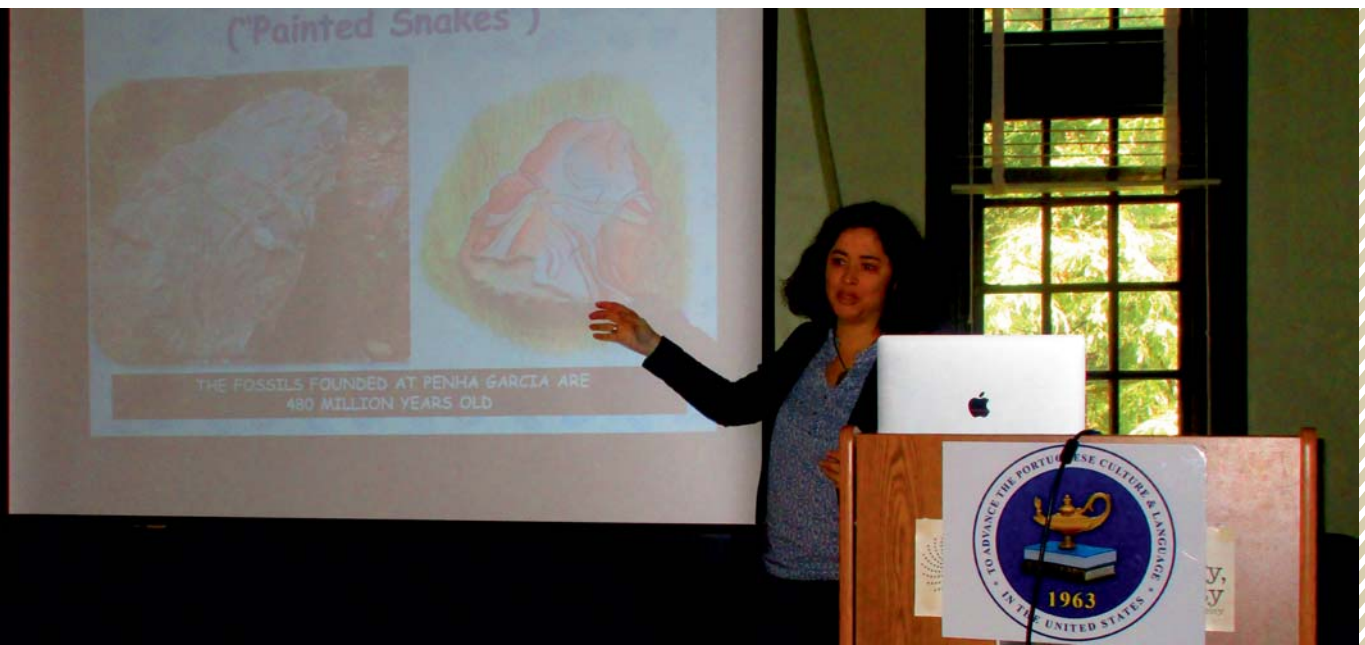
**21 March – Celebration of the International Forest Day in Penamacor.** The Municipality of Penamacor celebrated the International Forest Day, in the Municipal Forest with collaboration of military staff of the Nature and Environment Protection Service (SEPNA) from the National Republican Guard to raise awareness on protect and defend the forest. Participants also participated in a challenge on walking orientation and identify some local flora species.

This initiative was attended by 150 students from the School Group Ribeiro Sanches and the Santa Casa da Misericórdia of Penamacor. Mariana Vilas Boas represented Naturtejo Geopark.

The International Forest Day aims to raise awareness on the importance of forests for life on Earth. Portugal celebrated this day for the first time in 1974, and chose the date 21th March, the first day of Spring. In 30th November 2012, the United Nations General Assembly approves a resolution and declared the 21st March as International Forest Day.



**21 and 22 March – Students on Geosciences from University of Coimbra discover Stratotypes of Naturtejo Geopark.** Pedro Proença e Cunha is a professor at the Earth Sciences Department of University of Coimbra and over 30 years now he has studied Cenozoic formations and landscape evolution in this Tejo region, contributing a lot to what we know about Cenozoic geology in Naturtejo Geopark. During two days he visited the territory with his graduation, masters and doctorate students, together with Carlos Neto de Carvalho, in a journey to remember stories of dedication to sedimentological, stratigraphic and geodynamic research on Cenozoic sedimentary basins. This activity is a result of the new development project by Naturtejo Geopark which aims to value stratotypes as physical repositories of the geological history on this UNESCO territory, scientifically relevant but also as a learning laboratory for new generations of geoscientists. So, between Castelo Branco, Idanha-a-Nova and Nisa, geologists, geographers and students travelled through the stratigraphic units defined by Pedro Proença e Cunha for periods ranging from the Eocene to the higher Pliocene, uncovering tectonic, climatic and hydrographic evolution in the region.



**23 and 24 March - Annual Conference of the Lusophone Foundation for Education at Berkeley University.** The 43rd Annual Conference of the Lusophone Foundation for Education took place at Berkeley University in California, USA. Manuela Catana presented "From the ocean floor to the mountain tops: 600 Ma of stories to discover and live in Idanha-a-Nova & Naturtejo UNESCO Global Geopark". Naturtejo territory was also announced on many promotional materials. This Conference was attended by Portuguese students and teachers, Portuguese descendants, members of the Portuguese community in California, students and teachers from Berkeley University, among others.

**23 March - Tourism Program at Naturtejo Geopark.** A group of 50 Spanish Tourists from Badajoz visited Monsanto and Penha Garcia, guided by Jorge Costa.

**24 March - Erges downriver in Kayak: celebrating the last wild river.** This initiative joined two sides of the border to unite cultures for nature. There were more than a hundred the experienced and beginner kayakers joined in the downriver of Erges in Termas de Monfortinho. Friends and families won the obstacles of this fantastic River to join in a big lunch in the Valley of Idanha, near Salvaterra do Extremo.



**25 to 30 March - Participation on the 41st Meeting of the EGN Coordination Cellule in Swabian Alb.** Once again Naturtejo Geopark was represented in the EGN Coordination Cellule Meeting in Aalen, at Swabian Alb Geopark. Carlos Neto de Carvalho represented Naturtejo Geopark and participated, for the last time, in the Advisory Board of this Network. As Coordinator of the Working Group for Tourism in the European Geoparks Network, Carlos Neto de Carvalho led the meeting and presented the final conclusions. Also presented the results of the participation of GGN in Tourism Fairs and proposed participation for next year. Attendants for this Meeting could watch and learn on promotion strategies for the important geological heritage on Swabian Alb Geopark, including lagerstätten from Early Jurassic, and the meteorite impact crater in Steinheim with important lagerstätten vertebrate dated from Miocene, and also discover a bit of local culture.



**27 March – 1st Workshop TeachOUT for teachers at Associated School in Idanha-a-Nova.** EB 2,3/S School from the School Group of Idanha-a-Nova hosted the 1st workshop on TeachOUT App for 18 teachers at this School as Associated to the Project Erasmus+ ESTEAM. The workshop presented the ESTEAM Project and the TechOUT App as education tool for Sciences Teaching Outdoor. Teachers could also download the App for their Smartphone and tablets as test it in the surrounding area. Teachers André Azeiteiro and Elsa Cantinhas, and Mariana Vilas Boas from Naturtejo Geopark, boosted the workshop.



**28 March – Seminar “Internationalization of Rural Hotels – What Strategies in the Future?”.** Naturtejo Geopark was invited to collaborate at the Seminar “Internationalization of Rural Hotels – What Strategies in the Future?” in the Superior Management School in Idanha-a-Nova, presenting “Strategies for Sustainable Tourism” contributing to strength the importance of Rural Tourism and Geoparks as aggregator for develop local economies. Carla Jacinto represented Naturtejo UNESCO Global Geopark.

**29 March – 1st Meeting of the Working Group on Tourism and Heritage – Cross border Biosphere Reserve International Tejo/Tajo.** Naturtejo Geopark attended the 1st Meeting of the Working Group on Tourism and Heritage at the Secretariat of State for Interior Valorisation in Castelo Branco. João Paulo Catarino, Secretary of State for Interior Valorisation welcomed the participants. The group discussed the meeting with the management of RBTTTI in Spain, the brochure to be made and elected the representative for this work group, Arnaldo Brás (ADAL Representative) great connoisseur of the territory. It was decided that 22nd May, International Day for Biodiversity, the initiative will be disclosed in a press conference. Next meeting of this Working Group will be at May 8th at CIMBB, in Castelo Branco. Carla Jacinto represented Naturtejo Geopark.

**30 March - "Live and experiment Naturtejo Geopark: Nature, Culture, Adventure and Music in the Inselberg and Historical Village of Monsanto" aimed to students from Villuercas Ibores Jara - UNESCO Global Geopark.**

17 students and 3 teachers from the Geocentre CRA La Jara de Vila de Pedroso (Cáceres) came to Portugal for a study visit on 27th to 30th March. The first three days were dedicated to visit Lisbon, and the last day when returning home at their Geopark they stopped at Naturtejo Geopark and discover a bit of the territory, mainly the Geomonument Inselberg of Monsanto. The instructor for this activity was Rita Cortez. The participants travelled with Geopark's mascots, the Geopacas. During the visit to Monsanto, at the Castle, Geopacas met a traditional music group and danced accompanied by adufe sound. Photos and videos of this adventure in Portuguese lands are available at: "Mi viaje de novios a Portugal (Parte 2. Monsanto) no blog: <https://geopacafolk.blogspot.com/>.

**30 March - Program at Historical Villages of Naturtejo Geopark.** A group of 35 tourists from the Senior University of Vila Real visited Penha Garcia and discovered the Historical Villages of Monsanto and Idanha-a-Velha guided by Jorge Costa.

# IMPACT OF GEOPARK IN MEDIA



## Radio & TV

8 March (Radio Castelo Branco) – Idanha and Naturtejo Geopark receive Sustainable award at ITB Berlim

## Newspapers & www

6 March (Povo da Beira) – Monsanto hosts Conference of the Spanish Association for Heritage Interpretation

7 March (Reconquista) – Cross Border Heritage – Monsanto receives Conference on 14th to 17th March

8 March (Turiviajar) – Idanha and Naturtejo Geopark receive Sustainability Award at ITB Berlim

8 March (Idanha.pt) - Idanha and Naturtejo Geopark receive Sustainability Award at ITB Berlim

12 March (Jornal Fórum da Covilhã) – Iberian Tourism Conference

13 March (Povo da Beira) – Idanha-a-Nova participate at the 1st Iberian Tourism Conference

13 March (Gazeta do Interior) – Monsanto hosts Conference of the Spanish Association for Heritage Interpretation

13 March (Gaxeta do Interior) – At ITB Berlin – Idanha and Naturtejo Geopark in winning partnership

13 March – (Gazeta do Interior) – Idanha presents Success case at the 1st Iberian Tourism Conference

13 March (Diário de Coimbra) – BTL 2019 bets on Culture

14 Março (Reconquista) – Tourism Fair in Germany – Idanha and Naturtejo Geopark awarded in Berlin

14 March (Reconquista) – Success case at Iberian Conference

14 March (Reconquista) – BTL – Local Tourism sells in Lisbon

19 March (Povo da Beira) – Oleiros attended again Tourism Fair in Lisbon

19 March (Fórum da Covilhã) – Idanha and Naturtejo Geopark in winning partnership in Berlin

20 March (Gazeta do Interior) – Passport to visit Idanha presented at BTL

21 March (Reconquista) – A little Beira Baixa in Lisbon

27 March (Povo da Beira) – Municipality preseted Idanha-a-Nova Passport at BTL

27 March (Povo da Beira) - Monsanto hosts Conference of the Spanish Association for Heritage Interpretation

27 March (Povo da Beira) – Vila Velha de Ródão presenting the Municipality at BTL

# SCIENTIFIC CONTRIBUTIONS FOR THE GEPARK AND THE GEOSCIENCES

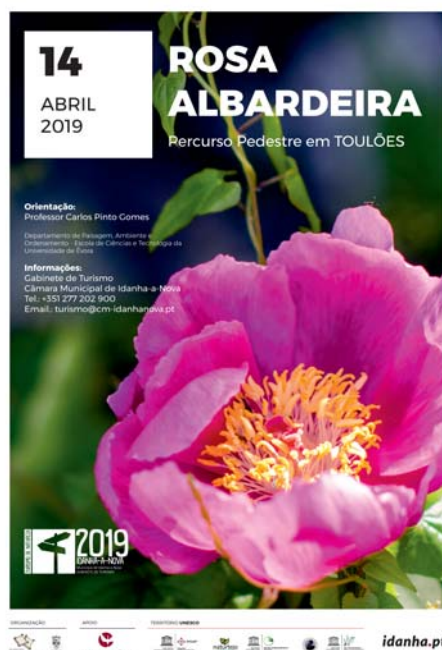


- Figueiredo, S.; Neto de Carvalho, C. & Belo, J. 2018. Novos Dados Acerca das Pegadas de Aves dos Eolianitos do Plistocénico Superior da Ilha do Pessegueiro (SO de Portugal): interpretações tafonómicas e taxonómicas resultantes do levantamento 3D. Boletim do Centro Português de Geo-História e Pré-História, 1 (1): 47-52.

# PROMOTION FOR THE GENERAL PUBLIC



- Global Geoparks Tours 2019 (em inglês)
- Cultural Agenda of Naturtejo Geopark
- Naturtejo Geopark Puzzle
- Catana, A. (Ed.) – Mistérios da Páscoa em Idanha 2019. Município de Idanha-a-Nova, 119 p.




# PROMOTION FOR THE GENERAL PUBLIC



**28**  
ABRIL  
2019

**OLEDO > SÃO MIGUEL DE ACHA**  
Percurso Pedestre

**Informações:**  
Gabinete de Turismo  
Câmara Municipal de Idanha-a-Nova  
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Ferramentas Digitais para Explorar o Geopark Naturtejo

**naturtejo**  
UNESCO GLOBAL GEOPARK

**Escola Superior de Tecnologia**

**7**  
ABRIL  
2019

**À DESCOBERTA DOS PRODUTOS DA TERRA**  
Percurso Temático em Alcafozes

**Orientação:**  
Eng.º Sávio Henriques

**Informações:**  
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**PROMOTION FOR THE GENERAL PUBLIC**



# Água - um tema transversal

Escola Superior de Tecnologia e Gestão - IPVC

**11 e 12 Abril de 2019**

**Visit Naturtejo Geopark in:**



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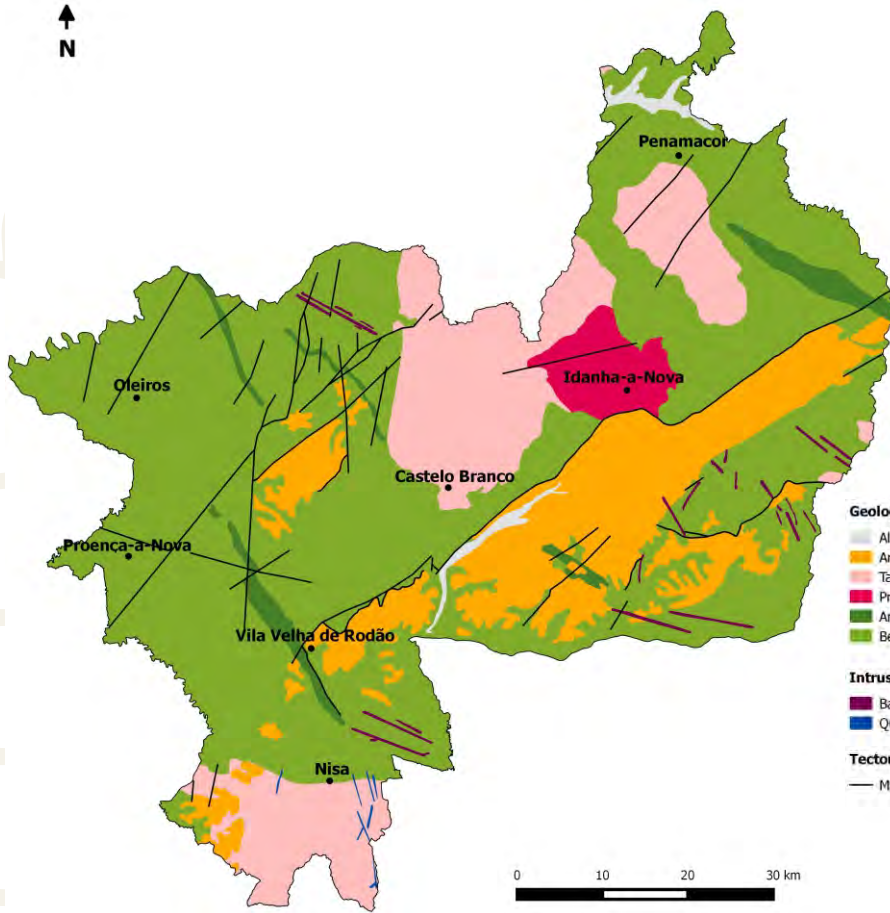
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**Geological Formations (Ma-Million years)**

- 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)

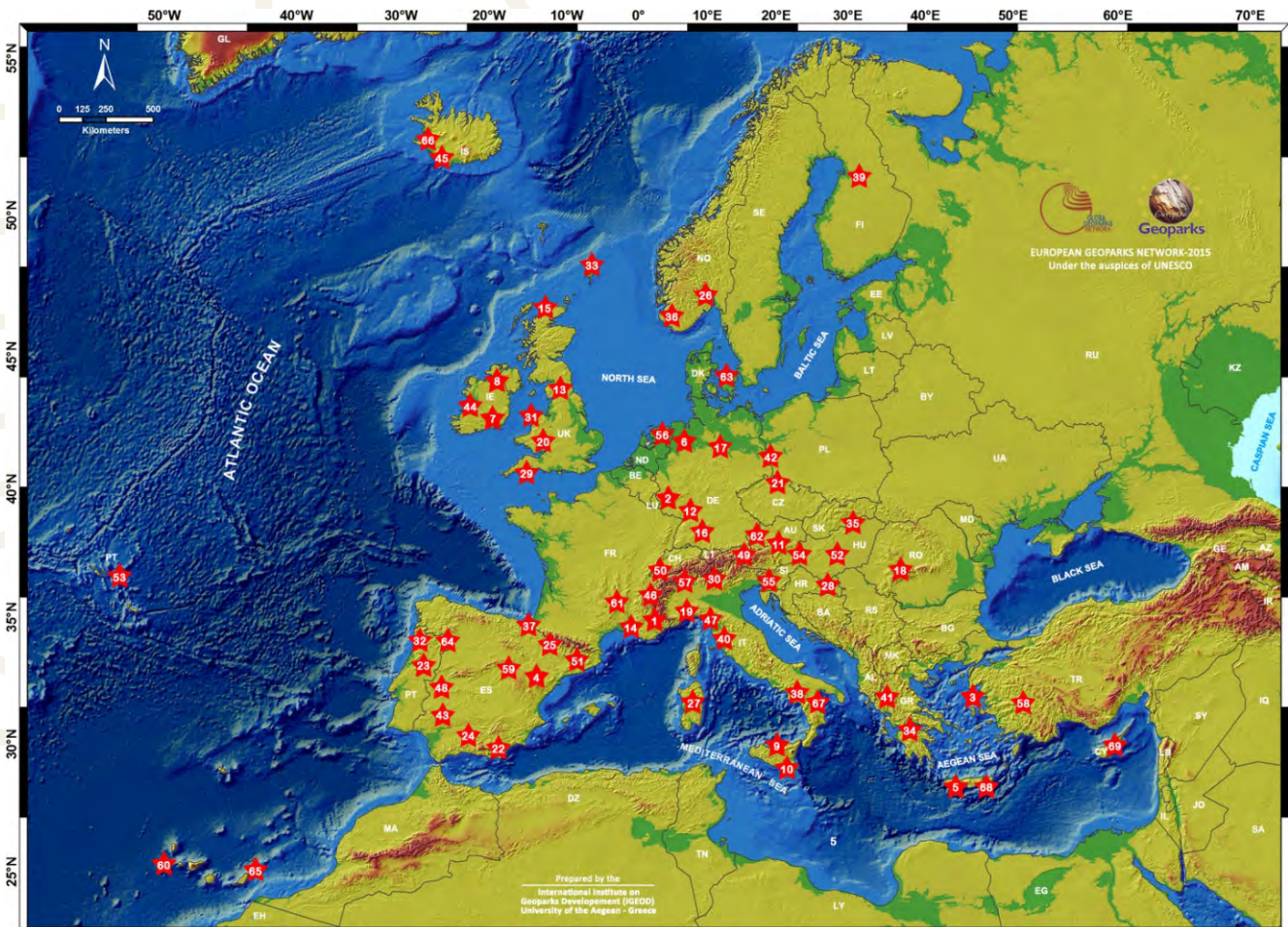
**Intrusive rocks**

- Basic rocks, aplites and pegmatites
- Quartz

**Tectonic**

- Main faults

## Geoparks: Geology with human face





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**CRUZIANA**

GEOPARK NATURTEJO DA MESETA MERIDIONAL-EUROPEAN AND GLOBAL GEOPARK MONTHLY REPORT

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