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...and more!

CRUZIANA

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

GEO-stories of our places and people: Bemposta

Bemposta amazes us from the plain of Castelo Branco, 400 meter high. In a territory of only 10 km², this village catches our interest. Its streets have a medieval charm, with strong Jewish influences that are worthwhile to discover. In the centre we find all necessary elements of a municipality during the 15th century: old council chambers, court and jail, pillory in the central square, church and chapels, the Calvary, a very unusual tiny castle with Templar origin and a Moorish tower transformed in bell tower, almost a vault hidden by the houses in the open plain. A recent archaeological and heritage survey identifies 36 archaeological sites, mostly dated from the Roman period. This might have been Isibraia and hides a lot of its millenary past, exposed in the Museum of Bemposta, in the Chapel of São Sebastião. We stumble in this ancient past in our morning and afternoon walks through the village and nearby, into what's left of the Roman bridge in Taliscas river. The streets and paths are made of natural silences, rarely interrupted by the farming works. Not more than 120 inhabitants live here. Bemposta, granitic land between granite inselberg and tectonic elements is a floor worth to be trodden with the tranquillity aroused by the curiosity.

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Cover: (Projecto Objectiva: Geopark)

The editor
Carlos Neto de Carvalho
Scientific coordinator
Geologist



MONTHLY ACTIVITIES



4 to 6 October – Students of Landscape Architecture discover Naturtejo Geopark. Students and teachers of Landscape, Environment and Planning Department from the Sciences and Technology School from Évora University held a 3 days study tour to learn on case studies of Naturtejo Geopark. This visit, led by the Landscape Architect and Technician from the Municipality of Vila Velha de Ródão, was accompanied by the Geologist Carlos Neto de Carvalho, the Archaeologist Francisco Henriques and the Architect Mário Benjamim. Portuguese and Brazilian students visited Portas de Almourão, through the walking trail “Griffon Flight”, and discussed the landscape from the perspective of the geological evolution; then they visited the traditional village of Foz do Cobre and the river beach of Fróia. Next day the group visited the Rock Art Centre, the project to value the historical heritage of Portas de Ródão and its viewpoint and ended with a boat tour among many other tourists, guided by Francisco Henriques and Carlos Neto de Carvalho. On the last day students and teachers held an urban trail through the most recent projects in Castelo Branco.



5 to 7 October – Hunting and Gastronomy Fair in Termas de Monfortinho.

5 to 7 October – Hunting and Gastronomy Fair in Termas de Monfortinho. Many people visited the exhibition that promotes the hunting sector and associated gastronomy, in the Municipality of Idanha-a-Nova, a municipality with more than 100 hunting areas and an organized area of approximately 140,000 hectares. The official opening was attended by the Secretary of State for Forests and Rural Development, Miguel Freitas, who highlighted the importance of hunting activity: "Hunting made with ethics is essential to the rural world, contributes to the balance of ecosystems and generates wealth", he said, referring to "the dynamism in the municipality of Idanha-a-Nova".

This member of the Government had the opportunity to visit the fair, organized in a partnership between the Municipality of Idanha-a-Nova and the Union of Villages of Monfortinho and Salvaterra do Extremo, supported by Naturtejo Geopark. The Mayor and President of Naturtejo Geopark, Armindo Jacinto, highlighted the role of hunting in the County: "this activity, if developed in a sustainable and orderly way, has economic and cultural importance, especially in gastronomy". Game dishes were the perfect condiment, but the visitors – Portuguese and Spanish – also enjoyed the musical entertainment, exhibitions, lectures, shooting sports, among other initiatives. To the President of the Union of Villages of Monfortinho and Salvaterra do Extremo, Paulo Lopes, the Hunting and Gastronomy Fair was "an excellent opportunity to show the richness of this region."

6 October – Portuguese and Spanish Entrepreneurs in Monsanto. Jorge Costa accompanied a group of 22 Portuguese and Spanish entrepreneurs through a visit in Monsanto.



7 October – Israeli Tourists in Monsanto. A group of 34 Israeli tourists spent a day in Monsanto, to visit this Historical Village and walked through the boulders. The group was guided by Rui Nunes from the partner company Geolife.

8 October – Spanish Tour Operator Bayern Travel from Madrid visit Monsanto and Castelo Branco. A group of 55 Spanish tourists travelled from Madrid to Naturtejo Geopark, to discover Monsanto and Castelo Branco. Delighted with the visit they promised to come back!



11 to 14 October – Naturtejo Geopark in GREENFEST. Naturtejo Geopark attended for the first time the GREENFEST, the largest event on sustainability in the country, in the Congress Center of Estoril, under the motto – Sustainability 4.0, "The opportunity of sustainable development goals on the horizon 2030", referring to the relationship between Technology advances and Digital Economy and the principles of rationalisation of means and resources of the Circular Social and Sharing Economy.

Naturtejo Geopark attended in two spaces, together with the Municipality of Idanha-a-Nova and with Aspiring Geoparks, in this platform for sharing ideas, experiences and better practices, of innovative and inspiring projects on sustainability, as UNESCO Global Geoparks are.

The first two days were dedicated to Schools, with more than 3500 students and teachers in a diverse experience on Sustainability, where the 17 Goals of Sustainable Development were promoted. October 13, a day dedicated to the general public, the International Day for Disaster Reduction was celebrated by UNESCO Global Geoparks as active contributors to build resilient communities, teaching about Earth history and natural hazards and encouraging communities to take preventive measures. Naturtejo Geopark was represented by Joana Rodrigues promoting the territory and presenting Naturtejo Geopark's Geoproducts.

12 to 14 October – Tierra de Fuego in Naturtejo Geopark. The Spanish Tour Operator Tierra de Fuego was in the territory with 8 tourists to visit: Vultures Trail in Salvaterra do Extremo; Traditional Balconies Trail in Medelim; Boulders Trail in Monsanto, down the Inselberg and through the trails to Idanha-a-Velha; ending in the Fossils Trail in Penha Garcia.

14 October – Mountain Bikes Marathon Borderland Trails. The Long Mountain Bikes Marathon in Naturtejo Geopark was held once again in the municipality of Idanha-a-Nova. For the 14th consecutive year the Marathon organized by the Cycling Association of Idanha-a-Nova, supported by the Municipality of Idanha-a-Nova and Naturtejo Geopark, was attended by 500 participants. Fans of cycling and wide open spaces cannot get enough of the paths and trails purposely designed for this national event, and many are repeaters.



15 to 17 October - ESTEAM Project Meeting in Monsanto and in the Living Science Forest Center. The fifth partner meeting of the ESTEAM project, co-financed by the European Programme Erasmus+ took place in Monsanto (Idanha-a-Nova) and Moitas (Proença-a-Nova). Naturtejo Geopark – UNESCO Global Geopark arranged the meeting along with the School Group José Silvestre Ribeiro. The Municipality of Idanha-a-Nova and the Living Science Forest Centre supported the meeting.

Mariana Vilas Boas, Carlos Neto de Carvalho, Carla Jacinto and Manuela Catana represented Naturtejo Geopark – UNESCO Global Geopark; André Azeiteiro and Elsa Cantinhas represented the School Group José Silvestre Ribeiro in Idanha-a-Nova. This meeting was attended by all partners in the project: from Slovenia, the Idrija Geopark – UNESCO Global Geopark, the elementary school of rni Vrh and the Geology Department of Ljubljana University; from Norway, Magma Geopark – UNESCO Global Geopark; and from Iceland the company Locatify (TIC).

The ESTEAM Project is being implemented over the period September 2016 and September 2019. The project has three phases and the partners are working on the second, which corresponds to the creation of a mobile application (APP) "TeachOUT"-TeachOut Outdoor Science Game. The content created and new types of challenges and questions to use in the APP are being tested and improved. At the end of the last school year, students in the 3 Geoparks held the pilot tests, in a paper version, during the field trip on the trail selected. The post-pilot-test surveys, completed by students, have been analysed and will be taken into account in the digital version of the app. The pilot test of the digital version of the APP, also in field, using tablets, and mobile phones will happen during the first period of this school year. In Naturtejo Geopark the mobile app is dedicated to the Geomonument Inselberg of Monsanto, along part of the Boulders Trail.

The fifth meeting was essentially dedicated to analyse and evaluate the paper version of the pilot test and discuss on the technical improvements and challenges to be included in the digital version of the APP. In outdoor activities, the partners visited the Natural Monument of Portas de Ródão, in Vila Velha de Ródão, through a boat trip and later the Boulders Trail, in the Inselberg of Monsanto to test the first digital version of the APP "TeachOUT" using smartphones or tablets. The partners also had a guided tour at the Living Science Forest Centre. Over three days the group tasted local cuisine delicacies, including Geoproducts presented by the partner company Geocakes.

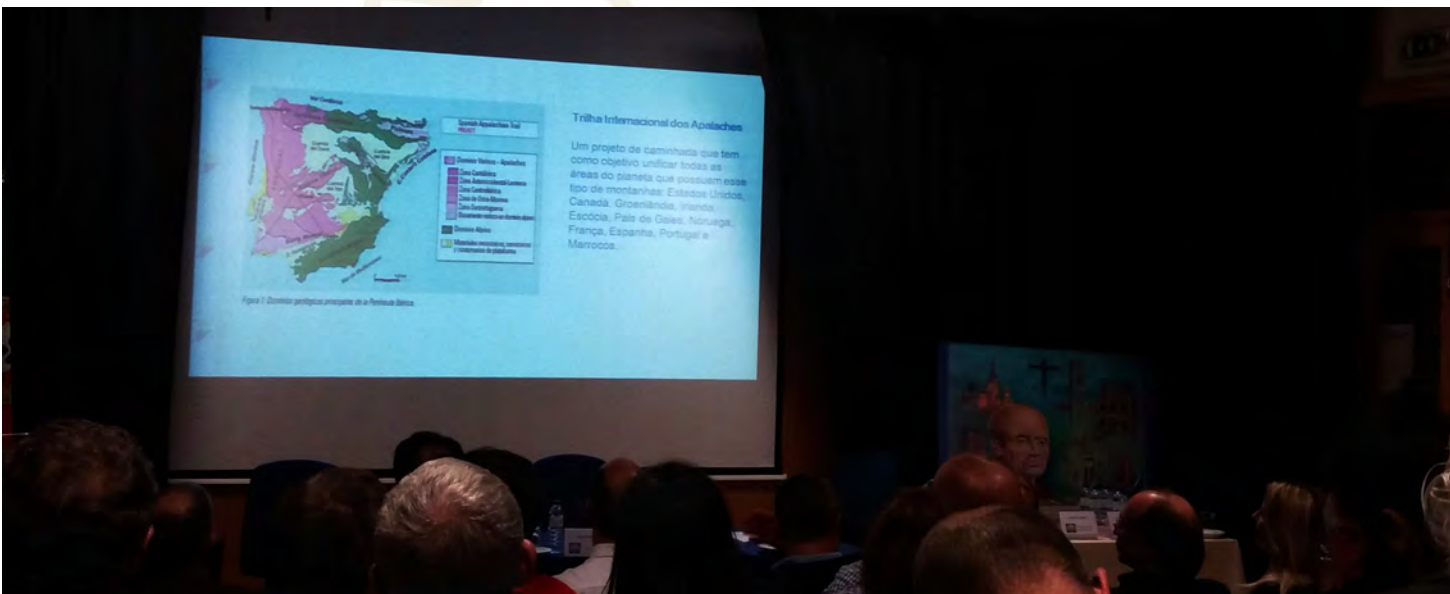
In January 2019 partners will meet again, in Magma Geopark, to analyze the advances on the APP and to participate in a training session in the Web platform. On April each geopark will organise in its territory a training action for teachers, to present this new teaching-learning tool, in order to promote its use on Natural Sciences teaching, at school and at home. Naturtejo Geopark will organize this training for teachers on this school year. The project may be followed in: <http://esteamproject.eu/>.

19 October – Fossils Trail. Jorge Costa accompanied a group of 26 hikers on a visit to the Ichnological Park of Penha Garcia.

21 October - Participation in the debate "The future of Argemela: an Intermunicipal issue". The Union of Villages of Barco and Coutada, supported by the Municipalities of Fundão and Covilhã, located close to the Naturtejo Geopark held a debate with the local community on the future of Cabeço da Argemela.

Over a year ago this area in the municipality of Covilhã received a final claim for mining, which the local community has been opposing successfully by its proximity to the project.

From the need to increase the information available on the current situation of the application, as well as plan the future of this area recently hit by forest fires, the community of Barco organized this debate inviting some researchers of the region to participate in the discussion. Carlos Neto de Carvalho was invited to talk about Geological and Mining Heritage of Cabeço da Argemela and provide information on how the mining prospecting is made in Portugal. This contact arises from the recent note published on the rare occurrence of turquoise in the area, that Carlos Neto de Carvalho is co-author. Finally a promotional video of the musical work developed by Tom Hamilton to value the Heritage of Argemela was presented.



26 October – II "Lynx Lands" Forum in Penamacor. Penamacor hosted the II "Lynx Lands" Forum, from the European Charter for Sustainable Tourism, under the subject "Dialogues with the Iberian Border". This debate received the mayors of the Municipality of Penamacor, António Luís Beites, and Almeida, António Machado; the councillor of the Municipality of Sabugal, Amadeu Neves, the representative from the Institute for Nature and Forest Conservation, António Cabanas and the Vice President of EUROPARC Federation, Paulo Castro.

The topic of discussion were the specificities of border territories and the challenges they face, taking advantage of endogenous resources that only these destinations have. Experiences were presented in the framework of sustainable tourism, from both Portugal and Spain, and examples of cross-border cooperation projects. Raquel Búrdalo Giménes, from the Municipality of Cáceres, presented some projects, such as Interreg V-A España Portugal Tajo Internacional REDTI 2017-2020, which aims to manage sustainably and efficiently the natural, touristic and cultural resources, through networks that optimize the natural and heritage spaces as well as value the cross-border tourism, as the Armorican Quartzite Route is being developed to connect Naturtejo and Villuercas UNESCO Geoparks.



27 October – Appalachian Trail in Oleiros was highly attractive. In a beautiful autumn day, about 150 walkers crossed the tracks of the most famous trail in the world, the International Appalachian Trail, in Serra do Muradal mountain (Oleiros), one year after the fires that devastated this region. Over 11km all appreciate up close and live the climbing in the 15 equipped climbing ways of Crista do Zebro, in the quartzite ridge, passing by the Geosites of Zebro viewpoint and Fervença river potholes, including a stop at the geosite Zebro quarry, where the Geologist Joana Rodrigues made the interpretation of the landscape and the fossils. The Councillor Paulo Urbano, from the Municipality of Oleiros, took the opportunity to present the new draft for promotion and rehabilitation of the Muradal-Pangea Trail.



27 and 28 October – International Climbing Meeting “On the Rocks” in the Geomonument Portas de Almourão. More than 40 climbers, coming from Italy, Germany, Spain and several areas in the country, including locals from Proença-a-Nova, participated in the Climbing Meeting “On the Rocks”, in Portas de Almourão, Sobral Fernando. This initiative had a workshop for beginners on the 27th, and the usual climbing to the Geomonument during the weekend. The feedback from the participants was very positive, with the promise to come back soon to Proença-a-Nova. Portas de Almourão is a Geomonument in Naturtejo Geopark and this meeting was supported by the European Union Project iNature, cofinanced by PROVERE, Centro 2020 and Portugal 2020. Currently the Climbing School has six sectors and the next step will be to equip the 5th Via Ferrata in the country, an itinerary prepared in the Rocky walls of Serra das Talhadas with steps, steel cables and tiges, intended to facilitate the progression and optimise the safety of the climbers. This Via will begin in the village of Carregais and will traverse the quartzite crest of Serra das Talhadas to the watchtower of Alto do Galego, where climbing routes and rappel for beginners will be placed, ideal as training for fire fighters, special safety forces and civil protection to practice rescue missions. In the future, this School aims to reach 100 routes. This sport emerged in the municipality in 2007, with the creation of the Climbing School by José Santos, supported by the municipality of Proença-a-Nova, and has since projected Portas de Almourão and the village of Sobral Fernando nationally and internationally, bringing more and more adventure sports lovers.



27 October - Visit to the Living Science Centre of Estremoz with youngsters from the Municipality of Vila Velha de Ródão.

An initiative of Alto Tejo Studies Association, supported by Naturtejo Geopark, aiming to provide youths from the municipality of Vila Velha de Ródão a contact with complementary and distinct scientific and cultural realities from those offered in the region, promoted a field trip to the Living Science Centre of Estremoz. Located in Alentejo, about 2 hours South from Vila Velha de Ródão, this Living Science Centre considers Earth as a dynamic planet, through interactive modules and experiences where visitors learn about rocks, minerals, and geodynamic processes that shape the Earth's surface.

A group of 15 young people of different ages passed a different day, discovering the Earth's interior. Also had the opportunity to see inside an active quarry of marble and fall in love by variants of Estremoz Marble. The visit was organized by Naturtejo Geopark and Alto Tejo Studies Association, headed by Carlos Neto de Carvalho and the director of the School Group of Vila Velha de Ródão, Jorge Gouveia. The guides from the Living Science Centre of Estremoz did an exemplary job.

IMPACT OF GEOPARK IN MEDIA



TV & Radio

- 1 October (RDP and RTP.pt Programme - 1001 Reasons to love Portugal) – Ichnological Park of Penha Garcia
- 31 October (Rádio Castelo Branco) – Portas de Almourão hosts 40 climbing lovers

Newspapers & www

- 4 October (Reconquista) – Appalachian Trail is on October 27th.
- 10 October (Gazeta do Interior) – Walking Trail Muradal-Pangea scheduled to 27th.
- 24 October (Gazeta do Interior) – Appalachian Trail receives hikers next Saturday
- 24 October (Gazeta do Interior) – Idanha-a-Nova named finalist for Territorial Brand of the Year
- 29 October (Beiranews.com) – Portas de Almourão receives 40 climbing lovers

SCIENTIFIC CONTRIBUTIONS FOR THE GEOPARK AND THE GEOSCIENCES



- FARSANI, N.T., NETO DE CARVALHO, C. & XU, K. – Education as a key tenet of Geotourism. In: Dowling, R. & Newsome, D. (eds.), Handbook of Geotourism. E.Elgar Publishing, UK: 234-243.

PROMOTION FOR THE GENERAL PUBLIC



exposição *exhibition*

A FLORESTA QUE NOS UNE
united by the forest

GRUTAS DA MOEDA
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12^ª aldeias em festa!

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Nas terras do Rei Wamba... Há sementes!

seminários, gastronomia, animação de rua, música, visitas guiadas, oficinas e muita, muita festa!

12^ª aldeias em festa! 2018

1^ª Aldeia: Pódião 2^ª Aldeia: Almeida 3^ª Aldeia: Sortelha 4^ª Aldeia: Linhares da Beira 5^ª Aldeia: Marialva 6^ª Aldeia: Castelo Novo 7^ª Aldeia: Castelo Rodrigo 8^ª Aldeia: Castelo Mendo 9^ª Aldeia: Trancoso 10^ª Aldeia: Idanha-a-Velha 11^ª Aldeia: Morsarante 12^ª Aldeia: Belmonte

ALDEIAS HISTÓRICAS DE PORTUGAL

PROMOTION FOR THE GENERAL PUBLIC



10 Freguesias, Experiências

ATELIÊ DO MEDRONHO

FREGUESIA DE MADEIRÃ

03.NOV'18 | INÍCIO 09H

• PASSEIO PEDESTRE INTERPRETATIVO
• RECRIAÇÃO HISTÓRICA
• "OS MADEIRANENSES DA DIÁSPORA"
• ALMOÇO - 10€

INSCRIÇÕES ATÉ AO DIA 26 DE OUTUBRO
(na Casa da Cultura de Oleiros 272 680 230)

ateliês VILA MADEIRO

NATAL NA FLORESTA
Com a presença de 3 formadores

NOVEMBRO 2018
PENAMACOR
Segundas e quartas-feiras, das 20:00h às 22:30h, de 5 a 28 de novembro.
(junto ao edifício da Segurança Social - Casa do Povo)

VENHA PARTICIPAR na decoração das ruas do evento que é de todos nós!

12 aldeias em festa!

Monsanto
sex. 09 —
dom. 11 novembro
2018

Histórias da Aldeia entre a Noite e a Madrugada

seminários, gastronomia, animação de rua, música, visitas guiadas, oficinas e muita, muita festa!

Aldeias: Póvoa, Alameda, Sorleira, Lousas da Seta, Marvão, Castelo Novo, Castelo Rodrigo, Castelo Mendo, Tarouco, Idranha-a-Velha, Monsanto Belmonte

PROMOTION FOR THE GENERAL PUBLIC



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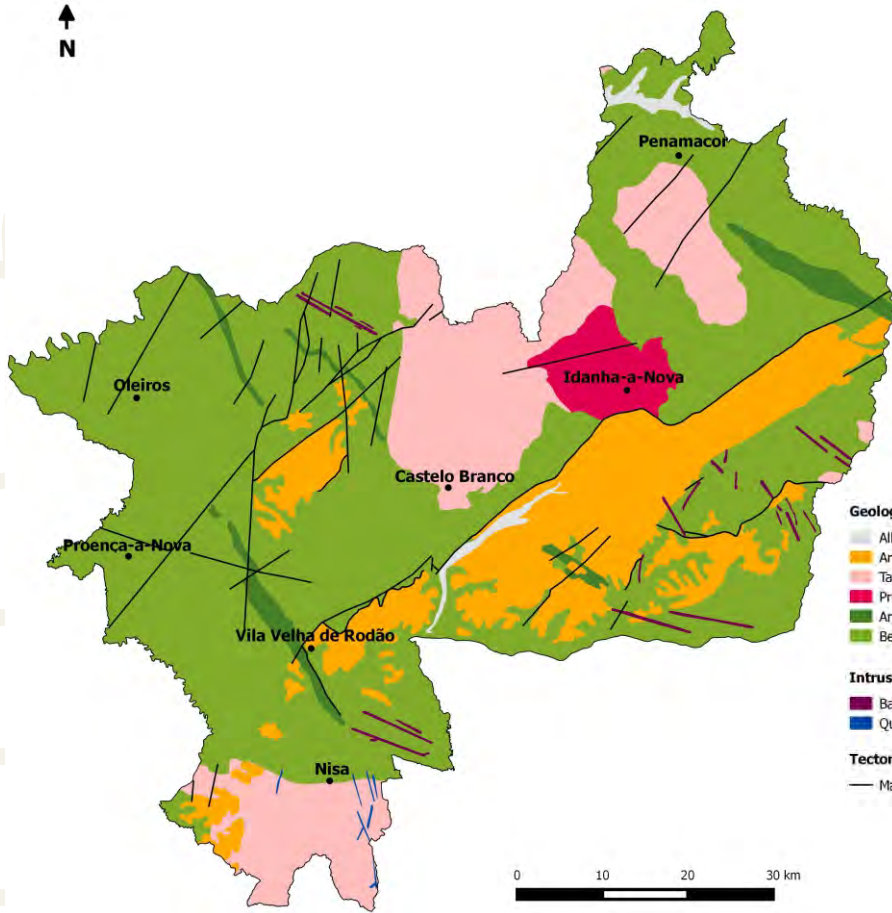
www.youtube.com/geoparknaturtejo



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)

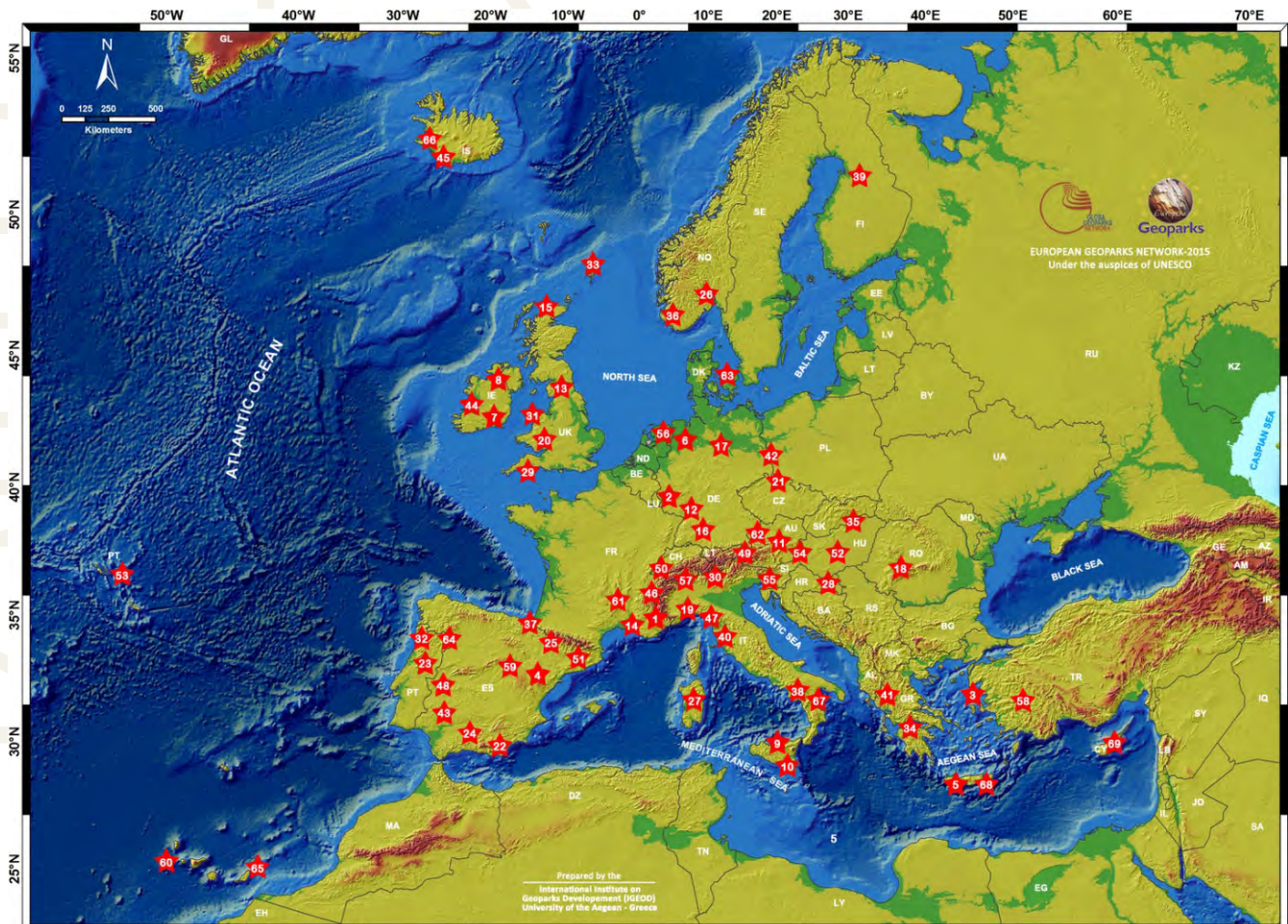
Intrusive rocks

- Basic rocks, aplites and pegmatites
- Quartz

Tectonic

- Main faults

Geoparks: Geology with human face





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