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CRUZIANA

NATURTEJO UNESCO GLOBAL GEOPARK - E-MAGAZINE



GEO-stories of our places and people: Meimoa

Meimoa is a princess resting in a broad and fertile valley. In fact, an unusual wide and deep valley, between the slopes of Malcata and Santa Marta Mountains, opens towards the flat Plateau. In the straight Valley of Meimoa this affluent of Zêzere River flows and, when the rains allow it, runs also a small affluent. This valley belongs to a former river, when thousands of years ago the pre-Bazágueda ran through Malcata towards Zêzere and not the Erges as nowadays. From this torrential flow, a large valley filled with rich alluvial sediments was carved with fertile soils and gold. The gold has been exploited by the Romans in the great open pits of Presa and Covão do Urso, in the neighbouring parish of Penamacor. Next to where Meimoa is today, the Romans founded its vicus, a mining settlement and some villas taking advantage of the richness of these soils. The roads connecting the mines and the settlements to the Roman world were completed, in medieval times, a beautiful bridge over Meimoa Stream. And so this village grew around the bridge. The Roman past can be enjoyed today at Mário Bento Museum. On the other hand, Nature can be enjoyed starting from Meimoa dam, in Malcata Natural Reserve and its walking trail of Sobreiral. In a territory with 20,58 km² where 373 inhabitants live, agriculture coexist with tourism. Near the old and graceful granite bridge emerged a magnificent leisure area with a fluvial beach and two restaurants. Here the food is great and the Soup in Iron Pot Festival is a good example. Then, one must go through the streets and alleys of Meimoa to discover architectural elements with great interest, as the House of Comendador. At the end of the day, it's worth staying here to discover the silences of this great Valley... Because the next day awaits us the mysterious Malcata, so close and manifestly wild.

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The editor
Carlos Neto de Carvalho
Scientific coordinator
Geologist

Cover: (Projecto Objectiva: Geopark)



MONTHLY ACTIVITIES



2 July – Participation in a Conference at Porto de Mós. The Nature and Forest Conservation Institute, jointly with the Municipality of Porto de Mós, held a Conference cycle under the theme Jurassic Beach of São Bento: millions of years of past... and future, opened to public attendance. Perfectly organised by Lia Mergulhão, from ICNF (Nature and Forest Conservation Institute), and Jorge Figueiredo, from the Municipality of Porto de Mós, this Conference took place at the Interpretative Center of PNSAC, in Porto de Mós and was a success. Aiming to show the developing scientific work and discuss geoconservation and enhancement needs in the Paleontological Site of Cabeço da Ladeira, it was attended by the President of the Municipality of Porto de Mós and the President of the Parish of São Bento, as well as the Regional Director of the Nature and Biodiversity Conservation Department of Lisboa and Tejo Valley. Naturtejo has given strong support this Project, including the participation of the Scientific Coordinator of Naturtejo Geopark, Carlos Neto de Carvalho, who attended the conference, among other researchers of the working group, presenting the main discoveries made in this paleontological site over the last four years.



10 to 12 July – Participation in the International Meeting House of Sciences in Lisboa

10 to 12 July - Participation in the International Meeting House of Sciences in Lisboa. The 7th International Meeting House of Sciences took place at the Faculty of Sciences of the University of Lisboa. Once again, Naturtejo Geopark collaborated in organizing this great event, which counted over 1000 participants, 200 guests and about 70 volunteers, in a huge logistic operation, never held before in that college.

The 2019 Meeting discussed the theme "Science Teaching and Modern Society" aimed at Biology and Geology, Physics and Chemistry, Mathematics and Introduction to Sciences Teachers, from 1st Grade to Secondary School. The program was composed by conferences, oral and poster presentations, books and education projects within school, institutional and business sphere, as well as a round table on "Curricular flexibility and deepening science learning", to debate the current issue, according to the new guidelines of Autonomy and Curricular flexibility.

This year the Meeting had a larger practical component, with 16 of the total 25 hours of credited training dedicated to workshops, in a total supply that exceeded the 120 distributed by the various areas, providing each participant a significant set of operational training hours to apply in class room. The geologist Joana Rodrigues boosted the workshop "Groundwater: Invisible Geological Heritage?" for two classes of teachers aiming to answer the high demand for this workshop, and also the workshop "Sands: Geology in Separate Parts", in cooperation with the Professor Mário Cachão from FCUL. During this activity teachers explored the textural signatures of the sands, from the elements that constitute them, its nature and proportions, with applications in paleoenvironmental interpretation of the island of Porto Santo and in forensic geology having as starting point the application "Sands: Geology in Separate Parts", published by the House of Sciences.

The event also included a cultural night, with a Theatre Play "The Shield of Science and the Sword of Scepticism", discussing the Global Warming, by TUT – Academic Theatre of University of Lisboa.

17 to 21 July - International Forum of Relevant Territories for Sustainable Food Systems. Food is at the heart of the debate on sustainability in the world. It will not be possible to reach most of the Sustainable Development Goals and provide a healthy diet to the world population without taking into account the natural resources of the planet. The World food system needs an urgent change. This is stated in the sense of active promotion of territorial food systems based on family farming and sustainable production modes promoting biodiversity, traditional knowledge and healthy diets. Thus, the FISAS-International Forum of Relevant Territories for Sustainable Food Systems, which took place in Portugal, at the Municipality of Idanha-a-Nova, emerges as a political response capable of articulating coherently, several actors and their knowledge, and ongoing initiatives aiming to promote sustainable food systems.

The Forum is a plural space housing a set of knowledge exchanges aiming to obtain policy recommendations and new knowledge for the construction and implementation of initiatives related to the promotion of sustainable food systems in the framework of the Sustainable Development Goals, the Decade of Family Farming, the Community of Portuguese Speaking Countries (CPLP) and Food and Nutrition Security Strategy.

FISAS was a plural space, sheltering the International Seminar Important Systems of the World Agricultural Heritage, the International Congress of Bio-Regions, the World Forum for Rural Innovation and the Workshop Local Public Policies for Sustainable Food, in addition to knowledge exchanges, field visits and exposure of good practices. According to Francisco Sarmiento, head of the FAO office in Portugal, "FISAS emerges as a political response capable of consistently articulate various actors and initiatives to promote the transition to sustainable food systems at territorial level in CPLP, from Iberian-American countries and countries where there are already Bio-regions ". Armindo Jacinto, President of the Municipality of Idanha-a-Nova, believes that "Bio-regions constitute one of the main responses to the phenomenon of accelerated urbanization, the abandonment of rural areas and the loss of biodiversity and traditional food knowledge". FISAS is a co-organization of several entities among which the Ministry of Agriculture, Forestry and Rural Development, the Executive Secretariat of CPLP, the Municipality of Idanha-A-Nova, the ACTUAR – Association for Cooperation and Development, the Facilitation Mechanism of Civil Society Participation in the Food and Nutrition Security Council of the Community of Portuguese-speaking countries (MSC-CONSAN-CPLP) and the International network of Bio-regions. FISAS had international support from the United Nations Food and Agriculture Organization (FAO) and the International Fund for Agricultural Development (IFAD).



17 to 21 July - Naturtejo Geopark at Borderland Fair in Idanha-a-Nova. Borderland Fair has returned to Portugal and Idanha-a-Nova, for another major event of cross-border cooperation between Portugal and Spain, in the areas of agro-food, forestry, tourism and culture. As usual, Naturtejo Geopark attended with a small promotional stand which received the Secretary of State for Forests and Rural Development, Miguel Freitas, who has been closely following the activity of the Geopark, and also ministers of Agriculture and representatives of Ministers of CPLP, who sought information on Geoparks and their development on the African Continent. Many visitors sought information about the territory and suggestions for visits and activities for the summer of 2019, in a stand hosted by Alice Marcelo, Carla Jacinto and Joana Rodrigues. Contacts with potential new geoproductors were also established.

The Fair was attended by our partners Aromas do Valado, Herdade do Escrivão and Trevo Estravagante, with their own space, promoting and selling their products, as well as Villuercas Geopark (Spain). Nature Fields was responsible for the Organic Restaurant at the fair with the delicious Meat Geo do Prado. The fair had a diverse musical program, under the seal Idanha-a-Nova UNESCO Creative City of Music, with concerts distributed by the 5 stages of the venue, including the Geo-stage.

RTP broadcasted a special TV program of 5 hours from the Borderland Fair, focusing on the enabling factor this event has for local economy, with the participation of Armindo Jacinto and Manuela Catana, who presented Naturtejo Geopark and highlighted its heritage, as well as the activities developed and the UNESCO Global Geoparks Network. Several partners attended too, such as João Soares from GeoRestaurant Petiscos & Granitos, Arlindo Cardoso from Nature Fields and Raquel Ramos from Geocakes. Chef Mário Ramos highlighted the richness of traditional and innovative regional flavours and presented the book "GeoAromas: Innovation in Gastronomy - Recipes", a work that integrates the knowledge of the autochthonous flora of Naturtejo Geopark, with its use, mainly in gastronomy, in a collaboration between the Polytechnic Institute of Castelo Branco and the geocompany Aromas do Valado.



18 to 21 July - Revalidation of the UNESCO Geopark status for Naturtejo territory

18 to 21 July - Revalidation of the UNESCO Geopark status for Naturtejo territory. Every four years the territories recognised as UNESCO Geoparks undergo an evaluation process. This evaluation is a complex process lasting several months and culminating with the visit of two UNESCO evaluators aiming to verify the evolution of the work done by the Geopark. This year Naturtejo Geopark is under evaluation. Sara Gentilini, from Magma Geopark in Norway, and Henning Zellmer, from the Geopark of Harz, Germany, came to examine the progress of Naturtejo Geopark in loco. The revalidation mission began at the Borderland Fair in Idanha-a-Nova, one of the main events in the Geopark territory, where Naturtejo Geopark is present with a promotional space, and where local producers were present certified as geoproducts. The evaluators had the opportunity to contact local entrepreneurs and were introduced to the Minister of Agriculture by the President of Naturtejo Geopark, Armindo Jacinto. The next day, Naturtejo Geopark's technical team presented the main developments of Geopark in Monsanto. The evaluators then followed to Segura to meet the business model of one of our geoproducts, Aromas do Valado. Later, despite the warm days with temperatures above 35 ° C, were greeted with the impressive resonate of adufes in the borderland landscape, in the Sanctuary of Senhora do Almortão, by the group Adufeiras from Idanha-a-Nova. Here, the evaluators were able to analyze the interpretation project performed by the Geopark in the main religious centre of the region. Then they visited the Ichnological Park of Penha Garcia, one of the main geomonuments with international relevance. Afterwards, they followed to visit the Municipal Museum of Penamacor and to dine in Meimoa with the president of the Municipality of Penamacor, the local president, and attended a cultural moment with the group of Aranhas. The following day, the evaluation mission followed to visit the Barrocal Park with the mayor of the city of Castelo Branco and with the responsible for the architectural project of one of the main equipments in development to value the Geodiversity in Naturtejo Geopark. Next was time for a visit to the Retaxo Textile Museum, where the old manufacturing facilities and machines came back to life with the former workers. In Oleiros, they walked through the International Appalachian Trail and finished in Adega dos Apalaches with a musical session. On the last day of the visit, the evaluators participated in the 12th anniversary of the Living Science Forest Centre, with the presence of dozens of local scouts and lots of animation. The evaluation meeting took place in Proença-a-Nova, with the presence of the technical team of Naturtejo Geopark and Armindo Jacinto. Finally, they took the boat ride through the Natural Monument of Portas de Ródão with taste of local products "Terras de Ouro". This way, the evaluation of Naturtejo Geopark went through all its municipalities according to an agenda jointly elaborated.



19 to 21 July - American University Students from "Study in Portugal Network" participated in an educational program "Nature and Culture in Naturtejo Geopark". A group of 20 University students from United States of America, who attend the Study in Portugal Network Program, promoted by the Luso-American Development Foundation (FLAD), came to participate in an Educational Program promoted by Naturtejo Geopark - UNESCO Global Geopark, accompanied by 2 professors and one technician. The group visited the Ichnological Park of Penha Garcia, the Inselberg of Monsanto, as well as the Borderland Fair. They also had the chance to attend a workshop of geocookies boosted by our partner Geocakes. Manuela Catana was the supervisor.



21 July - 12th anniversary of the Living Science Forest Centre. The Living Science Forest Centre (Proença-a-Nova), Naturtejo Geopark's partner since the beginning, celebrated its 12th anniversary with a huge party, gathering visitors, collaborators, administration, the President of the Municipality, João Lobo and the Vice President, João Manso, in a party which not even Judite, the Trilobite of Naturtejo Geopark has missed.

As usual Naturtejo Geopark joined the celebrations, represented by the scientific coordinator Carlos Neto de Carvalho, by Joana Rodrigues and Jorge Costa, this year also counting on the presence of the evaluators who were in the Territory in Revalidating Mission for the UNESCO Global Geoparks.

Throughout the day the CCV received many visitors who attended the play "Rolling Stones - a comedy from the Caves", by the company AtrapalhArte and visited the various exhibitions, free of charge.

A large group of scouts, who spent the night in the exhibition area in the Center, carried out an activity on the geological history of the region, culminating in manufacturing fossil biscuits in the solar furnace, boosted by the monitor Marta Palhim.

The candles were blown on a cake representing the natural heritage of Naturtejo Geopark, where the municipality of Proença-a-Nova is integrated, and the CCV one of the main strategic partners of the Geopark, an equipment that receives annually about 16000 visitors.



25 to 30 July - Participation in the evaluation of Taining Geoparque, People's Republic of China. The coordinator of Naturtejo Geopark, Carlos Neto de Carvalho, was one of the two evaluators chosen by UNESCO for the evaluation mission of Taining Geoparque, in Fujian Province, SE of China. The evaluators, including Sarah Gamble, director of Tumbler Ridge Geopark in Canada, were welcomed in Taining by the President of the Municipality and the Director of the Geopark, in a room full of technicians and consultants of this geopark.

For three days, the evaluators analysed the progress made in the last four years as the development of infrastructures, monitoring equipment for tourism and cleaning natural spaces and improvement of Interpretative panels and walking trails. Being a high quality Geopark the evaluation took place in an always very pleasant environment, with a very well prepared agenda, which provided several moments of contact between the evaluators with local culture and communities.



26 to 28 July – Watermelon Festival in Ladoeiro. The 15th Watermelon Festival in Ladoeiro, Idanha-a-Nova, was back with great animation and tons of the most refreshing fruit in the summer. The Festival is inspired by the famous watermelon of Ladoeiro, which is already a registered brand because it has a high quality and sweetness, as it benefits from a climate and soils perfectly adapted to the culture. Organized by the Municipality of Idanha-a-Nova and the Parish of Ladoeiro, the event offered three days with the best watermelon, lots of music, street animation, workshops, regional products and crafts, live cooking, fun games and Watermelon sculpture Contests.

26 to 28 July – Naturtejo Geopark at the Lynx Land Fair in Penamacor. Naturtejo Geopark, UNESCO Global Geopark attended the Lynx Land Fair, in the Municipality of Penamacor, with a space to promote the territory. During 3 days visitors were welcomed with lots of music, regional products and crafts, gastronomy, traditional taverns and children animation.



26 to 28 July – Novo Banco Club visits Naturtejo Geopark. A group of 41 tourists from Novo Banco Club came back to Naturtejo Geopark, this time to discover the Municipality of Penamacor. They visited the historical zone, the Museum and took a walk near Meimoa Dam. The group also visited the Linx Land Fair in Penamacor.



27 July – Gold in Portas de Almourão - Geology in Summer. This year science went outdoors with more than 800 activities, of which 700 totally free, organized by the Living Science Centers, Museums, Geoparks, Teaching Institutions, Municipalities, companies and Scientific Associations, between 15th July and 15th September, all around the Country, within the framework of the 23rd edition of the Living Science Network Summer Program, an initiative promoted by Living Science – National Agency for Scientific Culture.

Once again Naturtejo Geopark associates to the Living Science Forest Center, promoting various actions in the territory, dedicated to biology, geology, astronomy and the environment. In addition to the 14 activities proposed by the Living Science Forest Center, in Proença-a-Nova, there are in the Centre Region actions organized by the Living Science Centre of Bragança and ADM Estrela – Social Association and Development, by the exploratory Infante D. Henrique – Living Science Centre of Coimbra and the Living Science Center of Constância.

The village of Sobral Fernando (Proença-a-Nova) received the first initiative of Geology in Summer, "The Gold of Portas de Almourão", a much sought-after action in all editions of Living Science in Summer. On the banks of Ocreza River, downstream of the geomonument of Portas de Almourão, the participants wore the skin of the old local gold panners and searched for gold nuggets, even under the rain, with monitors of the Living Science Forest Center.



29 July – Field trip “What's Around Us? Landscape Exploration Guide”. Twenty-five children attending the Junior Space of Idanha-a-Nova, during the summer holidays, were invited to observe, listen and feel the landscape of the Tapada do Sobral, next to Centro Cultural Raiano, in Idanha-A-Nova. It is very important to know the landscape to better take care of it. The activity was based on the exploration guide of the Landscape Museum. Come on, then! The landscape needs you! The activity was organized by the Educational Service of the Municipality of Idanha-a-Nova in partnership with Naturtejo Geopark. The activity monitor was Manuela Catana.

IMPACT OF GEOPARK IN MEDIA



TV & Radio

- 21 July (RTP1 “Somos Portugal”) – Interview to Manuela Catana about Naturtejo Geopark
- 29 July (Beira Baixa TV) – UNESCO specialists visit Oleiros
- 30 de Julho (Beira Baixa TV) – Ródão hosted UNESCO evaluators

Newspapers & www

- Julho (Raiano) – Global Geopark: Ródão hosted UNESCO evaluators
- 12 July (Diário Digital de Castelo Branco) – Idanha-a-Nova suggest visit to Borderland Fair
- 16 July (Diário Digital de Castelo Branco) – Living Science Network Summer in high demand
- 22 July (www.cm-vvrodao.pt) – Global Geopark visited by UNESCO evaluators
- 22 July (www.cm-oleiros.pt) – UNESCO specialists visit Oleiros
- 24 July (Gazeta do Interior) – Living Science Forest Centre blows 12 candles
- 24 July (Gazeta do Interior) – Ródão receives visit of UNESCO evaluators
- 26 July (Reconquista) – Living Science Forest Centre celebrates 12th birthday
- 26 July (Reconquista) –Naturtejo Geopark – UNESCO specialists visit Oleiros
- 26 July (Reconquista) –Naturtejo Geopark – UNESCO evaluators through the territory
- 26 July (Reconquista) – Summer with Science through the region
- 26 July (BeiraNews) – UNESCO specialists visit Oleiros
- 29 July (Diário Digital de Castelo Branco) – UNESCO specialists visit Oleiros
- 31 July (Povo da Beira) –Naturtejo Geopark – UNESCO specialists visit Oleiros
- 31 July (Povo da Beira) – Living Science Forest Centre celebrates 12th birthday
- 31 July (Gazeta do Interior) – UNESCO specialists visit Oleiros

PROMOTION FOR THE GENERAL PUBLIC



- Pedrosa, M.M. & Estrela, J. – What's Around Us? Landscape Exploration Guide, 125 pp. Landscape Museum and Naturtejo Geopark (English edition by Naturtejo Geopark).
- Salazar Cabrera, J. – Objectivo Geopark. Naturtejo Geopark. (book in Spanish).
- Flyer Walking Trails in Naturtejo Geopark (Portuguese edition)
- Flyer Geodiversity in Naturtejo Geopark (Portuguese edition)
- Flyer Geoproducts (in Portuguese and English)
- Flyer Naturtejo Geopark “600 Million Years and Stories to Discover” (Portuguese edition)
- Cultural Agenda Naturtejo Geopark (July to December 2019 (Portuguese edition)

PENHA GARCIA TEMPLARIA
JORNADAS ETNOGRÁFICAS
13 - 14 - 15 AGOSTO . 2019
PENHA GARCIA IDANHA-A-NOVA

13 DE AGOSTO	14 DE AGOSTO	15 DE AGOSTO
18H00 Abertura do Mercado	18H00 Abertura do Mercado	18H00 Cortejo Régio pelas ruas do Burgo
19H00 Cortejo dos Templários pelas ruas do Burgo	18H30 Abertura das Exposições	19H00 - Largo da Igreja Matriz Torneio apoiado de cortesia entre Cavaleiros Vilões
20H00 Comidas e beberes com sabores de antanho	19H30 O Cortejo Régio	20H00 Comeres da caça e beberes da pipa nas tabernas do Mercado
Os votos dos Templários de pobreza e castidade para se tornarem monges	Arruadã pelas ruas do Burgo	21H00 - Pelourinho Toque a rebate e recrutamento de homens para a defesa do Burgo
21H00 Distribuição de terras para o couro de homicídios de Penha Garcia	19H00 - Largo da Igreja Matriz Torneio d'armas apoiado	22H00 - Castelo Assalto ao Castelo
22H00 Concerto de Música e Danças populares	Adubamento de cavaleiros	O Juizo de Deus
23H00 - Lapa Teatro de Fogo "Os Templários"	20H00 Acolhimento e agasalho dos peregrinos de Santiago de Compostela	As baías e as danças ao som da gaita-de-foles
24H00 Encerramento do Mercado e ronda dos Aguazis	20H30 O Voo Altaneiro - Espetáculo de cetraria	22H00 - Pelourinho Presepções na Taberna dos Cavaleiros
	21H00 - Pelourinho Concerto de Música e Danças mouriscas	24H00 Autos de encerramento da Feira e lavagem dos cestos e almotolias
	22H00 Espetáculo de Fogo e Dança Kinessis	
	23H00 - Lapa Teatro de Fogo "Uma taberna virada do avesso"	
	24H00 Encerramento do Mercado e ronda dos Aguazis	

Mercado • Couzas de Comer e de Beber • Animação Medieval • Guarda d'Armas e Patrulha da Comenda Templária das Idanhãs

ORGANIZAÇÃO: **TERREIRO UNESCO**

idanha.pt

Summer Campaign
august 6-30, 2019

2019
Portugal

Archeological Excavations
Camp 1: Mound of Cabeço da Anta
august 5-24, 2019
Camp 2: Iron Age Hillfort of Castelo do Chão do Trigo
august 12-30, 2019
Camp 3: Archeological prospection
august 12-16, 2019

Lectures
august 16 and august 23, 2019
Field Trip
august 16, 2019
Dinner at schist village
august 17, 2019
Colloquium "Old Paths of Beira Baixa"
september 28, 2019

Contacts for further information:
+351 939 127 478 (Municipality)
altoje@gmail.com
archaeologicalcampsportugal.pt

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PROMOTION FOR THE GENERAL PUBLIC



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ACTIVIDADES EM TODO O PAÍS
15 JULHO / 15 SETEMBRO

#cienciavivanoverao #cienciaviva

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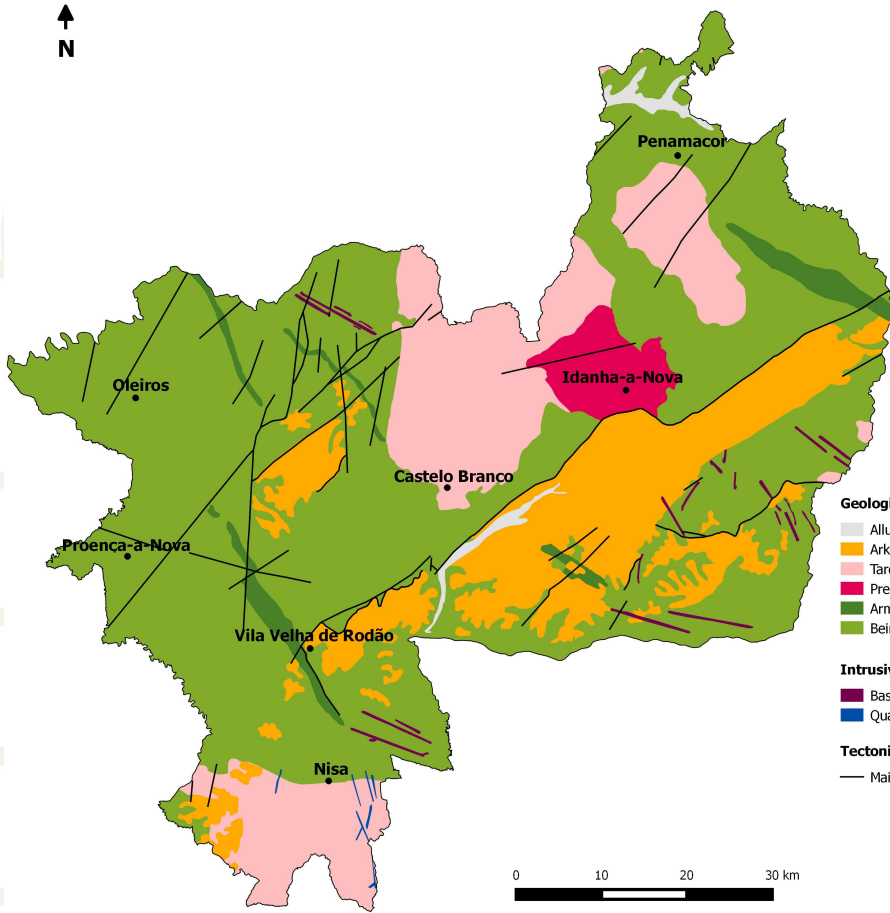
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Geological Formations (Ma-Million years)

- 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)

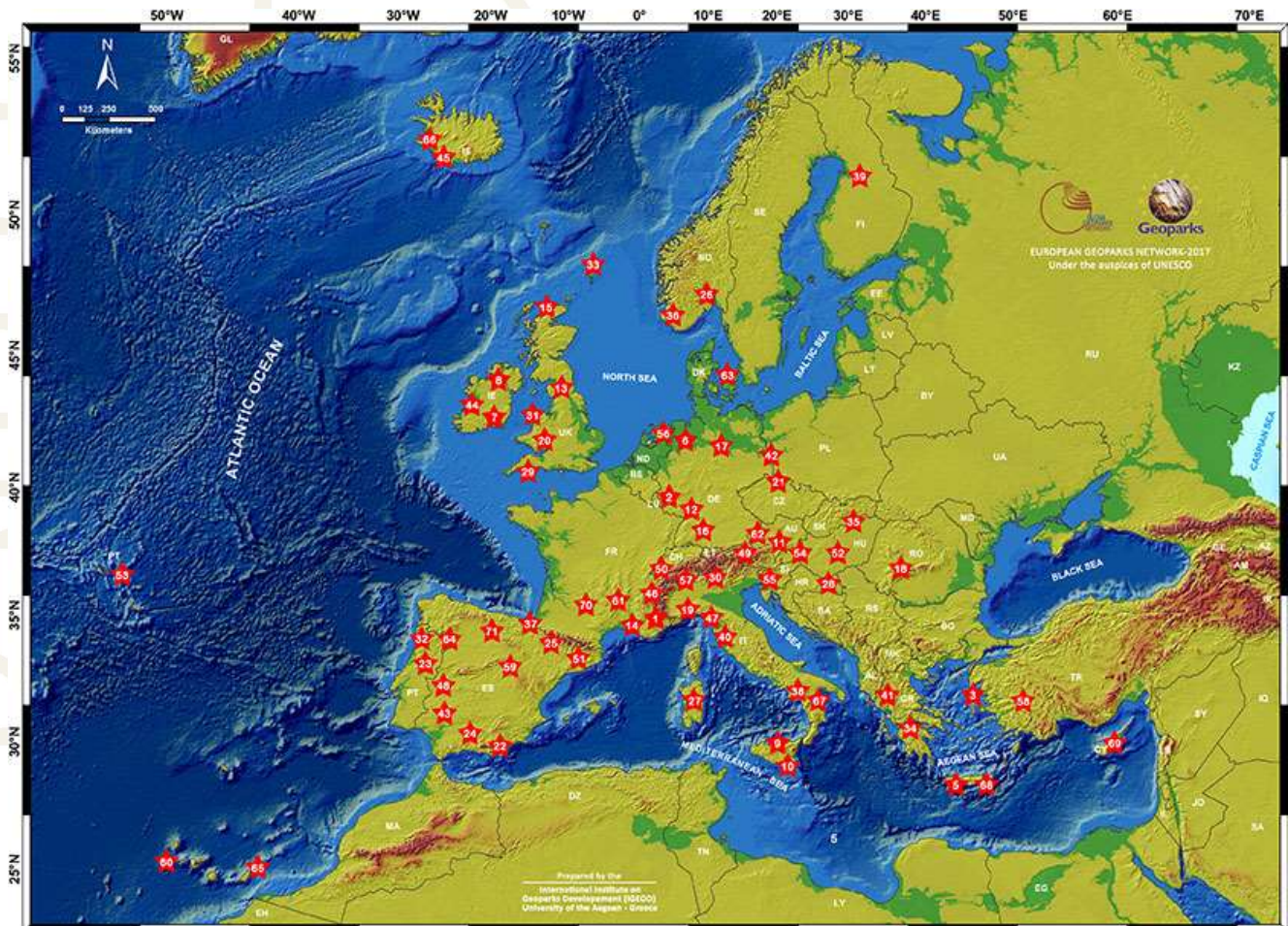
Intrusive rocks

- Basic rocks, aplites and pegmatites
- Quartz

Tectonic

- Main faults

Geoparks: Geology with human face





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Coordination - Carlos Neto de Carvalho
Texts - Carlos Neto de Carvalho, Joana Rodrigues,
Manuela Catana, Municipality of Idanha-a-Nova
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www.geoparknaturtejo.com

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