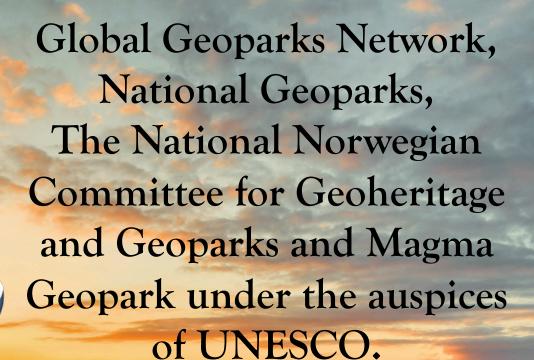




United Nations Educational, Scientific and Cultural Organization Den norske UNESCOkommisjonen







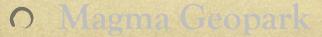


Geologist Pål Thjømøe Director Magma Geopark AS Coordinator Norwegian National Committee for geohertiage and geoparks

- What is a Global Geopark?
 - Is Geopark only about geology?
- Network of Geoparks
 - Where are the Geoparks?
 - National Geopark Networks
 - Norwegian committee for Geoheritage and Geoparks
- O Geoparks and...
 - O Education, Science, Culture, Sustainable development and How to join the GGN?
 - **O UNESCO**
- Magma Geopark



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What is a Global Geopark?

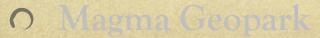
A Global Geopark is a unified area with geological heritage of international significance.

Geoparks use that heritage to promote awareness of key issues facing society in the context of the dynamic planet we all live on. Many Geoparks promote awareness of geological hazards, including volcanoes, earthquakes and tsunamis.

Is a Geopark only about geology?

No! While a geopark must demonstrate geological heritage of international significance, the purpose of a geopark is to explore, develop and celebrate the links between that geological heritage and all other aspects of the area's natural, cultural and intangible heritages.

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What is the Global Geoparks Network?

The Global Geoparks Network (GGN) is a voluntary network of Global Geoparks supported by UNESCO. The GGN is a dynamic network where members are committed to work together and exchange ideas of best practice and join in common projects to raise the quality standards of all products and practices of a Global Geopark.



LATEST NEWS



Itoigawa Geopark Revalidation Commemorat..

Dec 16.201



Knowledge Sharing Workshop for Asian Geo..

T Dec 05 2013

- · 37th UNESCO General Conference
- Italianus Cabania' Connecti Studios Confee

DOCUMENTS

- GGN Guidelines
- · Form-Part A
- · Form-Part B

EVENTS



6th International Unesco Conference on G..

The dates for 6th International
UNESCO Conference on Global Geoparks

NEWS LETTER

GGN Newsletter 2012 Issue 01

Inside this issue: 04- Partnership activities between Hong Kong Geopark and Itoigawa Geopark 10- Yanqing Geopark March..



GGN Newsletter 2010 Issue 02

Where are the Global Geoparks? March 2014, there are 100 Global Geoparks spread across 30 countries.



African and Arabian Geoparks Network (AGN)(0)



GN

utive Committe

ctives



About AGN

The African Geoparks Network "AGN" was created by the African Association of Women in Geosciences "AAWG, www.aawg.org" during the pre-congress of its fifth conference held in Abidjan, Ivory Coast in May 2009. The AGN aims to identify, promote, and advise on the importance and preservation of geological sites in Africa in collaboration with other stakeholders. This initiative has got the support of IUGS, GSAf and many other national organizations. In that Framework, the AAWG and the AGN in collaboration with UNESCO Cairo Office organized the First International Conference on African and Arabian Geoparks which was held in El Jadida (Morocco) from the 20th to the 28th November, 2011.

This First International Conference on African and Arabian Geoparks was attend by 100 paticipants from 31 countries and had received 87 abstracts from 39 countries repesenting the five continents. The pre-conference course was attented by 38 participants from 19 countries and its related post-conference field trip was attended by 42 participants from 16 countries.



AGN Activities

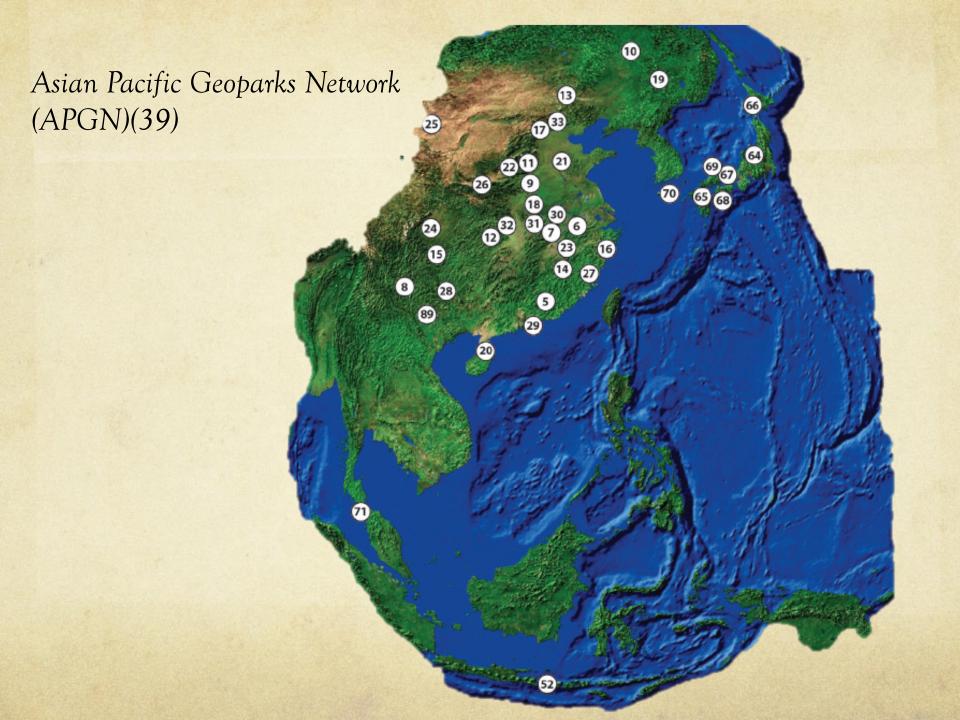
The 1st ICGAME (Morocci

The 2nd ICGAME (Senega

Other Activities



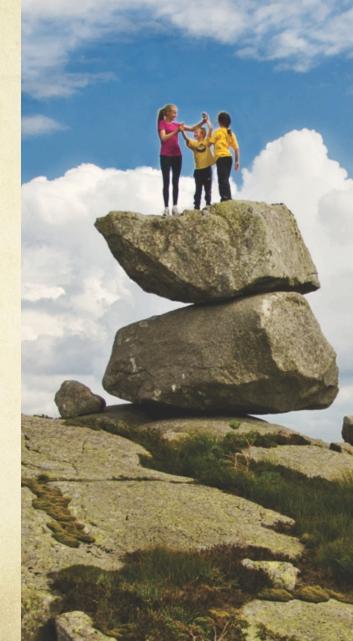






Austria	Croatia	60 Cilento e Vallo di Diano National Park	
1 Eisenwurzen	34 Papuk	61 Tuscan Mining Park	
2 Carnic Alps	Czech Republic	62 Apuan Alps	
Brazil	35 Bohemian Paradise	63 Sesia - Val Grande	
3 Araripe	Finland	<u>Japan</u>	Turkey
Canada	36 Rokua	64 Itoigawa	88 Kula Volcanic Geopark
4 Stonehammer	France	65 Unzen	Viet Nam
China	37 Réserve Géologique de Haute-Provence	66 Toya Usu	89 Dong Van Karst Plateau
5 Danxiashan	38 Parc naturel régional du Lubéron	67 San'in Kaigan	United Kingdom
6 Huangshan	39 Massif des Bauges	68 Muroto	90 North Pennines A.O.N.B.
7 Lushan	40 Chablais	69 Oki Islands	91 North-West Highlands
8 Shilin	Germany	Korea (Republic Of)	92 Fforest Fawr
9 Songshan	41 Vulkaneifel	70 Jeju	93 English Riviera
10 Wudalianchi	42 Nature- and Geopark TERRA.vita	Malaysia	94 Geo Môn
11 Yuntaishan	43 Bergstrasse-Odenwald	71 Langkawi	95 Shetland
12 Zhangjiajie	44 Swabian Albs	<u>Netherlands</u>	Uruguay
13 Hexigten	45 Harz Braunschweiger Land Ostfalen	72 Hondsrug	96 Grutas del Palacio
14 Taining	Greece	Norway	Austria/Slovenia
15 Xingwen	46 Petrified Forest of Lesvos	73 Gea Norvegica	97 Karawanken/Karavanke
16 Yandangshan	47 Psiloritis Natural Park	74 Magma	Ireland/United Kingdom
17 Fangshan	48 Chelmos Vouraikos	Portugal	98 Marble Arch Caves Global Geopark
18 Funiushan	49 Vikos Aoos	75 Naturtejo	Hungary/Slovakia
19 Jingpohu	Hungary	76 Arouca	99 Novohrad - Nógrád
20 Leiqiong	50 Bakony-Balaton	77 Azores	Germany/Poland
21 Taishan	<u>Iceland</u>	Romania	100 Muskau Arch
22 Wangwushan-Daimeishan	51 Katla	78 Hateg	
23 Longhushan	Indonesia	Slovenia	
24 Zigong	52 Batur	79 Idrija	
25 Alxa Desert	<u>Ireland</u>	<u>Spain</u>	
26 Qinling-Zhongnashan	53 Copper Coast	80 Maestrazgo Cultural Park	100 geoparks in
27 Ningde	54 Burren and the Cliffs of Moher	81 Cabo de Gata-Níjar	
28 Leye Fengshan	<u>Italy</u>	82 Sierras Subbéticas	30 countries
29 Hong Kong	55 Parco delle Madonie	83 Sobrarbe	
30 Tianzhushan	56 Parco del Beigua	84 Basque Coast	
31 Sanqingshan	57 Geological and Mining Park of Sardinia	85 Sierra Norte de Sevilla	
32 Shennongjia	58 Rocca di Cerere	86 Villuercas Ibores Jara	
33 Yanqing	59 Adamello Brenta	87 Central Catalonia	

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O Magma Geopark





Geoparks, geopark projects and geotourism in Norway A Geopark is a unified area with geological heritage of international significance. Geoparks point out the links between geological processes and society and promote respect for the environment. Geoparks stand for education and popularization of science, geoscience, cultural aspects and communication. UNESCO has approved two geoparks in Norway -Magma Geopark and Gea Norvegica. Similar projects are being planned in the other parts of Norway. We would like to present some of them. The Geological Survey of Norway (NGU) has developed a DATABASE FOR GEOLOGICAL DIVERSITY. The database will contain important geological sites in Norway. Today approximately 1.500 areas are registered. Our aim is to present it in a web mapping server on GEOPARK NORD is an initiative in the high North Ofoten district in the Internet. All sites will be showed on a map Nordland county. The landscape is characterized by diversity with alpine and will contain fact sheets and photos. mountains and narrow fjords, as well as open valleys and tundra. The National mountain of Norway - Stetinden is just one spectacular place. Ice-ages, glaciations, rich history of mining and quarrying and among the oldest rocks in Northern Europe are disciplines which could be studied http://geotest.ngu.no/kart/naturarv_94/ here. The project will connect rock art from the stone age to integrate art, history, mythology and ecology, TROLLEJELL GEOPARK is located on a common strandflat along the Norwegian Helgeland coast - from Leka to Vega. The strandflat landscape consists of flat belts of SALTDAL area was a part of the Northern Environmental Education Development coastal land and similarly shallow shelves below sea level. The most important project (GeoNEED). The GeoNEED is a cooperation project between Finland, Norway, attractions are Leka, Brønnøy and Vega. Leka is Norway's Geological National Monument that offers a journey to the Earth's interior, from mantle to sea floor. Iceland and Ireland that developed education tools improving the educational use of geo-scientific knowledge. The work of the NEED project in Norway was placed to areas of Junkerdal and Saltfjellet - Svartisen national parks. The area is known for its Brønnøy is most famous from Torghatten - "the hole in the mountain", which is one of the most visited attractions in Norway. Vega Archipelago World Heritage Area is a unique cultural landscape and strandflat on UNESCO's World Heritage List. nestone, and the high density of limestone caves. Nordland national park center is an important visitors centre that offers knowledge about nature and geology. RONDANE GEOPARK is located in the middle of Norway, in the counties Geopark projects of Oppland and Hedmark. The area Oslo Rift shows a landscape with a numerous Basalt rhomb-nombyry larvikite svenite gratine: Permian age marks from the Ice Age, which help to understand how this type of landscape was shaped. Numerous of trails to Granite, granodioritt, trondjemite, gabbro, ultramafic rocks study geology (e.g. with result of Sandstone and conglomerate; Devonian age glacial melting after the last Ice Age), Uppermost Allochthon: Mica schist, marble, amphibolites culture and nature could be found Uppermost Allochthon: Mica schist, greenstone, amphibolite, marble, limestone here. The largest canyon in North Europe - Jutulhogget's Canyon is one Middle Allochthon: Gneiss, gabbro, anorthosite; Precambrian age of the most famous attractions. A trip Middle and Lower Allochthon: Sandstone (sparagmite), conglomerate, tillite: Late Precambrian age into a sulfide mine and courses in gold panning and polishing stones are just some other examples of activities in Granite, granodiorite, gabbro, anorthosite and undifferentiated type of gneisses 0 25 50 100 150 200 THE HAFS REGION is located at the western coast of Norway, by the mouth of Sognefjord, the world's largest fjord. The acronym refers to the first letters of the name of the municipalities. The THE MJØSA REGION is located in the central part of South-eastern Norway. The area is defined as the catchment area of Miøsa, the area bears evidence of the rise and fall of a mountain chain. Currently, largest lake of Norway. The area has been subject to geo- scientifically investigations for a long time. Evidence of early life, snowball Earth as emphasis is put on explaining the spectacular geology of the area visible well as evidence of old mountain-forming processes is visible here. The area is also an important study area for understanding the end of the and understandable for local Ice age. In addition, the area covers some of the findings of remnants inhabitants and tourists. A long-term aim is to provide the foundation for a of mammoth teeth in Norway. A geopark is a long-term aim Aleksandra Jurus MAGMA GEOPARK is located in southwestern GEA NORVEGICA is located in southeastern Norway, in the counties of Geological Survey of Norway Vestfold and Telemark, and is the first European Geopark (UNESCO) in Norway, in the counties of Rogaland and Vest-Aleksandra.jurus@ngu.no Agder. In 2010, it became a member of the Scandinavia. The area is located where the old Scandinavian geology meets European and International Geoparks Network as the younger geology of the continental Europe. The diversity of landscapes a second geopark in Norway. Here one can find results from the great variations in bedrock and deposits. One can find here Geological Survey of Norway anorthosite - a rock type that is more common on numerous remains from the last Quaternary glaciation and the world's type Rolv.dahl@ngu.no the moon than on the Earth. Some of the locality for carbonatitic magmatic rocks. The area also has a rich industrial attractions are a glacial ridge, old mines, anorthosite landscape with huge blocks and caves history from Norway's oldest iron mine to Larvikite quarrying Pål Thjømøe (www.geoparken.no) Magma Geopark AS and a magma chamber in a coastal landscape post@magmageopark.no (www.magmageopark.com www.geoparks.biz).









Geoparks of the World

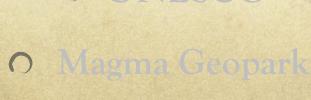
- O 100 Global Geoparks
- O More than 303+ National and Global Geoparks

(Iran+ Indonesia+ 184 Chineese+10 German+ Morocco+ Australia+ Brazil+ Japan+ Bulgaria+ Scotland)

More than 429+ Aspiring + projects, national and Global Geoparks

(8 AAGN + 10 SACGN + 12 NAGN + 72 APGN + 24 EGN)

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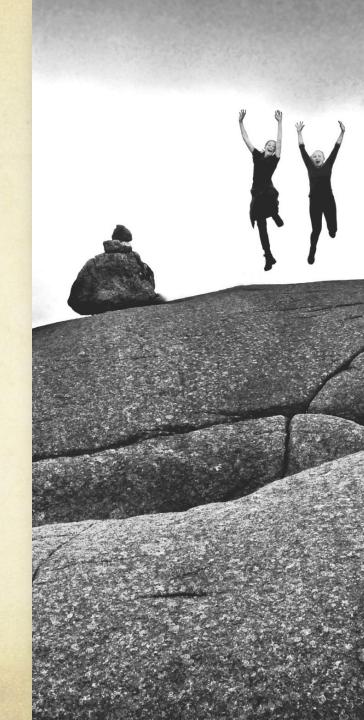
Norwegian committee for Geoheritage and Geoparks

31st October 2013: First meeting in the committee.

Steering group: Geological Survey of Norway (NGU), Norwegian Geological Society (NGF), PROGEO, Natural science Museum Oslo University, Norwegian UNESCO commission, Ministry of climate and environment and GGN Geoparks Magma and Gea Norvegica.

16-17th June 2014: Workshop aspiring Geoparks at NGU focusing on geoheritage, application to EGN/GGN and evaluations of geoparks.

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Geoparks and education

All Global Geoparks develop and operate educational programmes at a range of levels to spread awareness of our geological heritage and its links to other aspects of our natural, cultural and intangible heritages.

Geoparks and science

Global Geoparks are thus encouraged to work with academic institutions to engage in active scientific research in the Earth Sciences, and other disciplines as appropriate, to advance our knowledge about the Earth and its processes.

Geoparks and culture

The motto of the Global Geoparks Network is "Celebrating Earth Heritage, Sustaining Local Communities."

Geoparks and sustainable development

Even if an area has outstanding, world-famous geological heritage of outstanding universal value it cannot be a Global Geopark unless the area also has a plan for the sustainable development of the people who live there. This development may take the form of sustainable tourism.

How to join the Global Geoparks Network?

The Global Geoparks Network (GGN) has a rigorous and independent application procedure which involves the submission of a detailed application dossier followed by an evaluation mission. There is a clear timetable for submitting applications and all dossiers must follow the same, specific format.

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UNESCO and Global Geoparks Network 10 years anniversary!

O 2004: EGN and Chinese geoparks invited by UNESCO to form the new network

Division of Earth Sciences of UNESCO was invited to pursue the general objective 'Education in Earth Sciences', by promoting Geopark initiatives as an inter- and multidisciplinary activity, providing UNESCO's support to national initiatives on an ad hoc basis as requested by Member States

A growing network and closer cooperation with UNESCO

- O UNESCO Global Geoparks: UNESCO Program? Too big budgetary implications?
- O UNESCO initiative? Legal implications?
- O UNESCO under an already existing umbrella? IGCP (International Geoscience Program)

2013/2014

- O Director General: Working group on geoparks
 - O Three meetings, a fourth meeting in June 2014
- O Challenges:
 - Financial situation
 - Legal personality for GGN
 - O Structure of UNESCO Global Geoparks
 - All excisting geoparks will become UNESCO Global Geoparks?

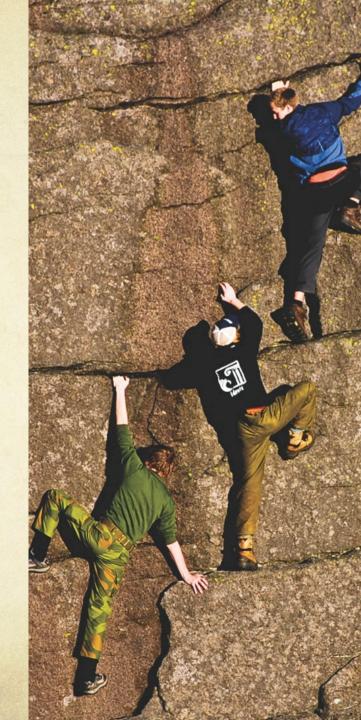
GGN:

- Agreed that each Geopark pay 1000 US\$ annual fee for supporting the network. Administered by relevant UNESCO secretariat.
- Control Legal Personality: Three models will be discussed later this month by EGN
- O Structure: Two different models under the umbrella of the IGCP will be discussed
- The revalidation processes will continue, all geoparks will be evaluated repeatedly every 4th year, in order to keep the high standard

Way forward:

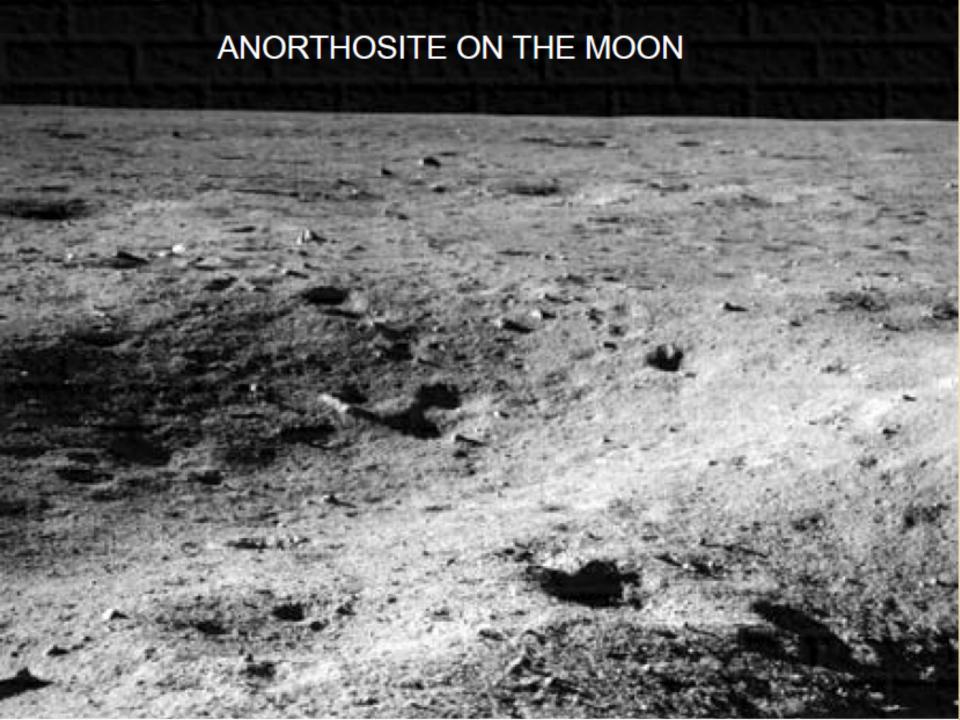
- O April 2014: CC-EGN meeting
- April 2014: Executive Board (ExB) meeting progress report
- O June 2014: Working group meeting
- September 2014: CC EGN meeting and General Assembly of GGN (Canada)
- O September 2014: ExB meeting decicion on working group results
- O April 2015: ExB meeting final decicion
- October 2015: UNESCO General Conference UNESCO Global Geoparks ???

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 - **♦ UNESCO**
 - ♦ Magma Geopark, Norway



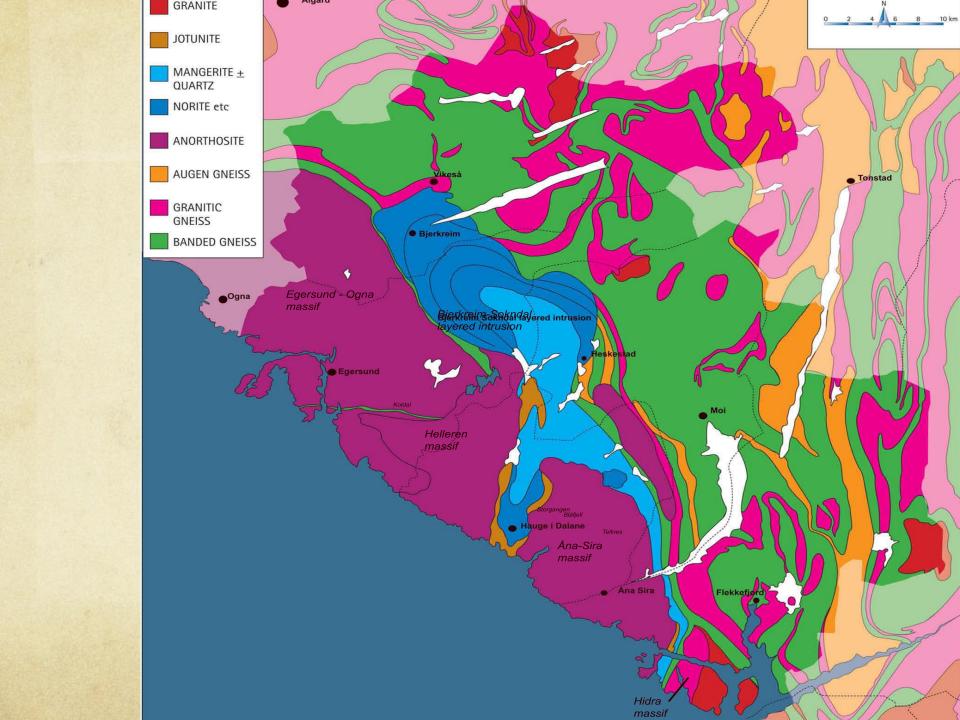






ANORTHOSITE IN MAGMA GEOPARK





Magma Geoparks
information panels
make tourists and
locals discovering the
geological, natural and
cultural heritage











Available activities in Magma Geopark

- Hiking
- Cycling
- Paddling
- Climbing
- Boattrips

Fishing



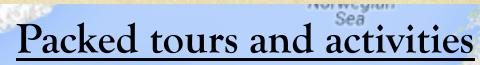












Greenland







Swe

Northern Georoutes Members

- 1. Magma Geopark (NORA)
- 2. Shetland Geopark
- 3. Stonehammer Geopark
- 4. Katla Geopark (NORA)
- 5. Locatify (NORA)
- 6. Blue Ice Explorer (NORA)
- 7. Tora Tourist Traffic (NORA)



GEOROUTES







Download Magma Geopark app

http://locatify.com/magma/

Magma Geopark app for Iphone og/and Android. Noen TurfHunts å velge mellom/Some TurfHunt to choose from; Eigerøy fyr, Egersund, Solbjørgnipa, Gullbergtuva, Tronåsen, Jibbeheia, Blåfjell, Hellersheia, Li gård, Flekkefjordbanen m.fl/and more.



























Entering the virtual world

Supported by the Norwegian UNESCO commission with the aims to promote and valorizae the geological, natural and cultural heritage through sustainable practices.

THANK YOU FOR YOUR ATTENTION!

PÅL THJØMØE POST@MAGMAGEOPARK.COM

www.magmageopark.com





United Nations . Den norske Educational, Scientific and · UNESCO-Cultural Organization · kommisjonen









