

THE THIRD

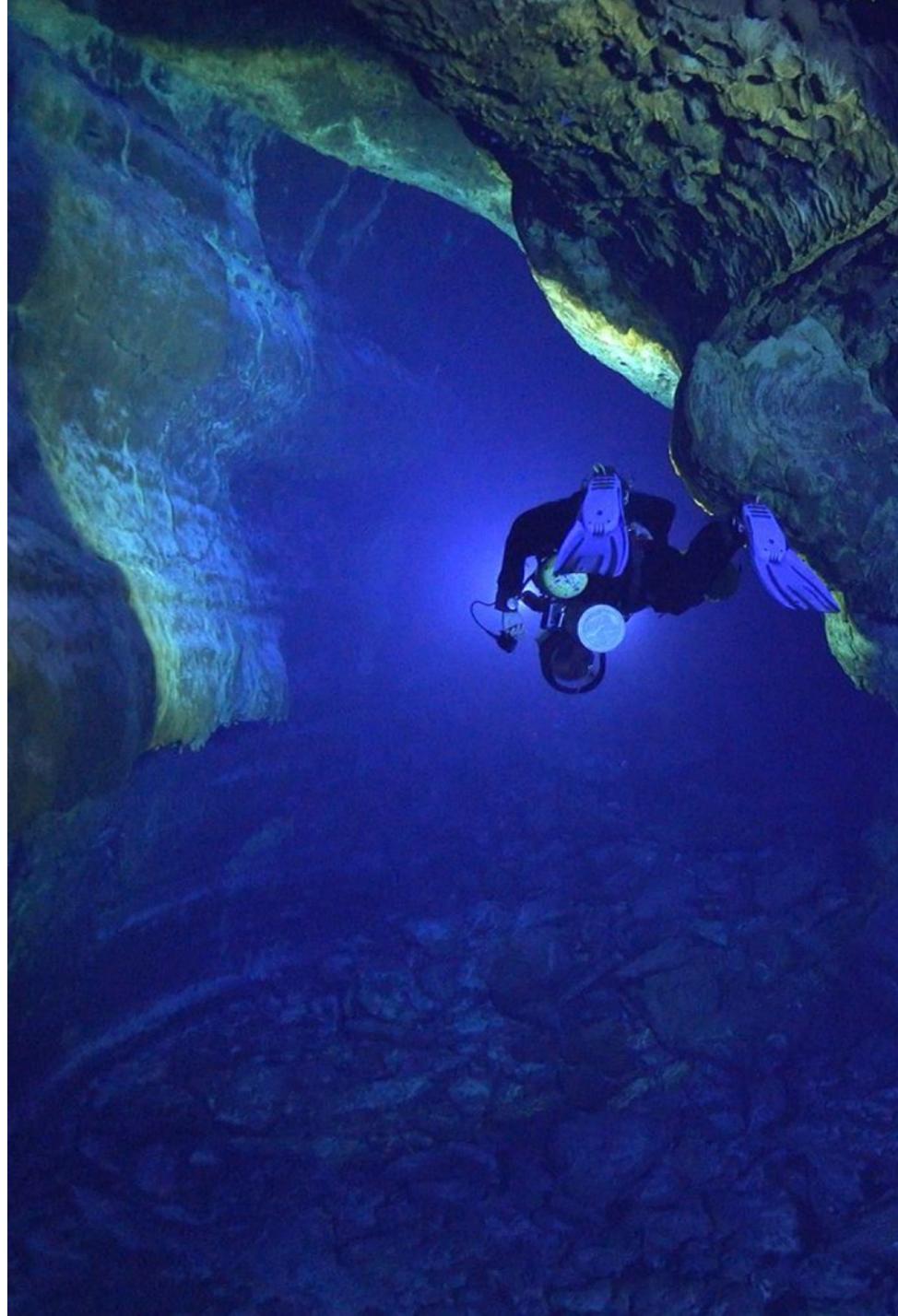
100

**IUGS GEOLOGICAL
HERITAGE SITES**

EVALUATION PROCESS

FINAL RESULT

ANNOUNCEMENT EVENT





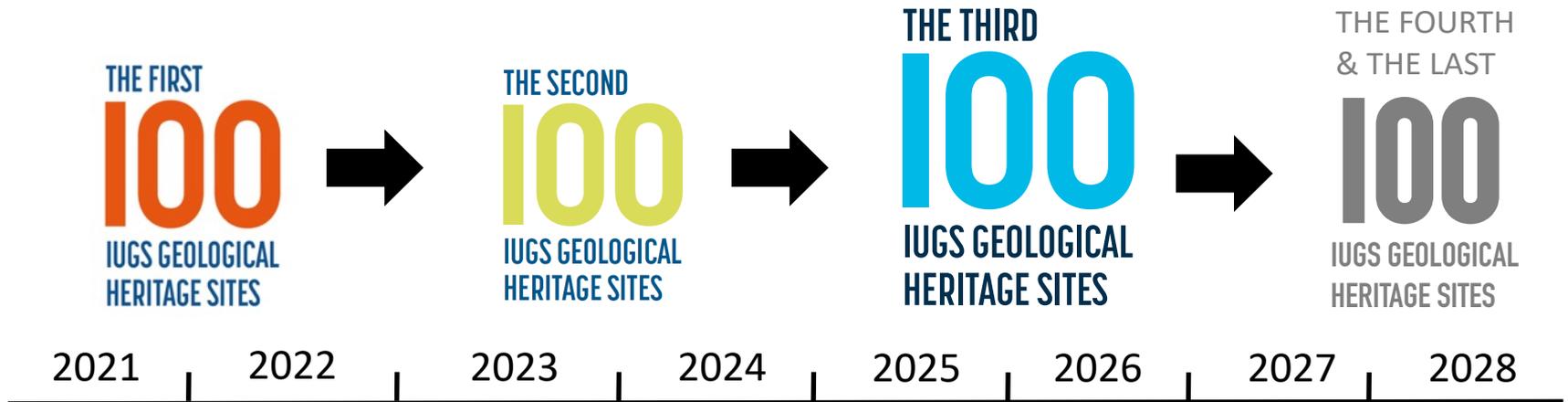
DEFINITION

“An *IUGS Geological Heritage Site* is a key place with extraordinary geological elements or processes of the highest scientific relevance, used as a global reference, and/or with a substantial contribution to the development of geological sciences through history “

A unique and collaborative initiative led by the **IUGS** for the recognition of Geological Heritage Sites worldwide



MOVING FORWARD



Our small initiative started in 2022 and has become a global movement.

The Third 100 will be announced in a **Special IUGS Geoheritage event** in Albufeira (Portugal), in November 5 - 8.

+ 1.000

experts have participated

90

countries involved

24

international organizations

HOW DID WE DO IT?

KEEP IT SIMPLE

The pillars of the program remain as for the First and Second 100

The IUGS recognition is based on the experience and evaluation of **thematic experts**

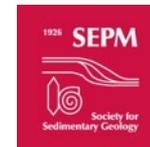
Our procedure is simple, inclusive and feasible

We try to be effective and create tangible results for our science



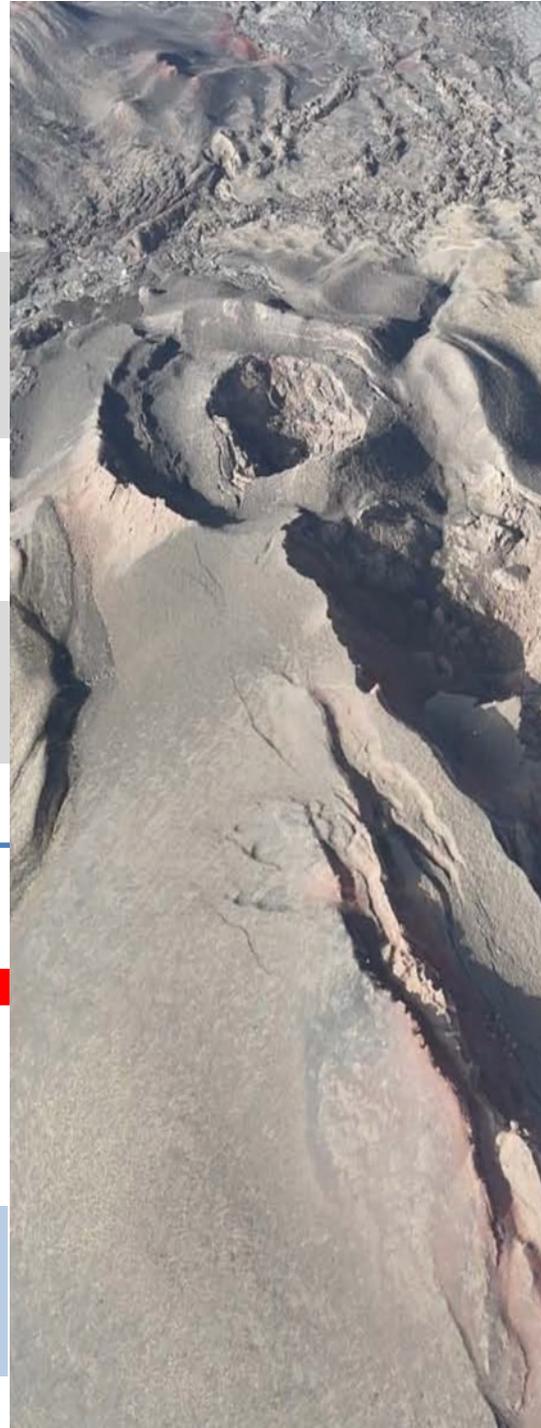
INTERNATIONAL COOPERATION

International cooperation is the key to this endeavor. International organizations representing all geological disciplines have played again a major role selecting proposals, evaluating them and making the final selection.



GENERAL SCHEDULE

2025	2	Distribution of candidates. Initial contacts with focal points
	3	New proposals for The Third 100 Improvement of 25 postponed sites from The Second 100
	4	
	5	
	6	
	7	
	8	First review of proposals Preparation of all the evaluation documents
	9	Evaluation process
	10	
	11	
	12	Analysis of the evaluation results
	2026	1
2		
3		Communication to all participants
5		Editors review
6		The book of “THE THIRD 100” . Final layout + printing
10		
11	Announcement of “THE THIRD 100” . November 5-8 IUGS Geoheritage event. Algaravensis Geopark. Albufeira. Portugal	



THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES



145

CANDIDATES

FROM **70** COUNTRIES

were received in June 2025

DISTRIBUTION OF CANDIDATE SITES

THE THIRD 100 IUGS GEOLOGICAL HERITAGE SITES

SITES POSTPONED
FROM 2024



14
SITES

Most of the
proposals were
improved

NEW SITES PROPOSED
IN 2025



60
SITES

Submitted by
**international
organizations**

71
SITES

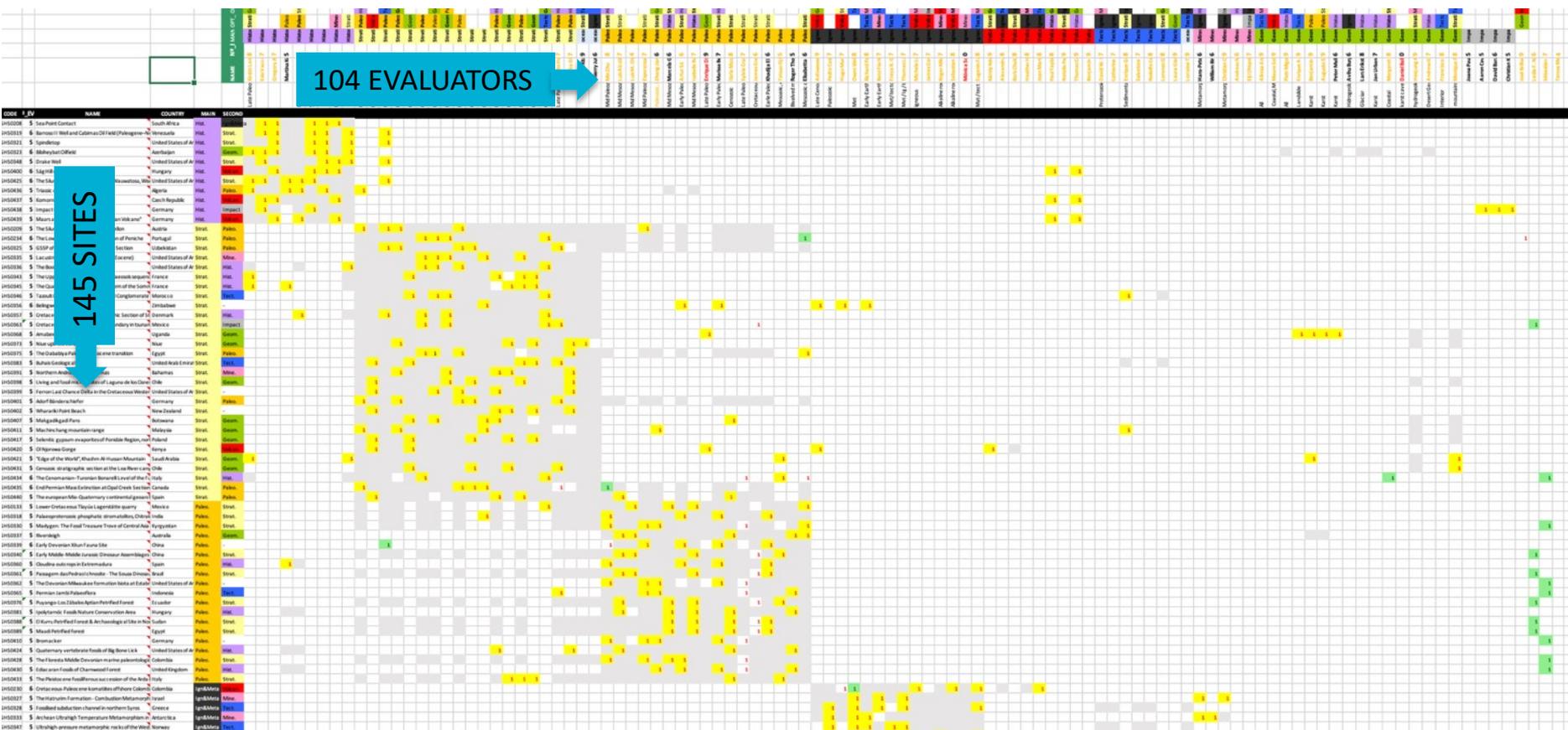
Submitted by
**national
representatives**



DISTRIBUTION OF EVALUATORS. Sept 25

THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES

All the sites and all evaluators were plotted in a large table. Colours refer to the main type of interest of the sites (chapters of the book) and main expertise of each evaluator.

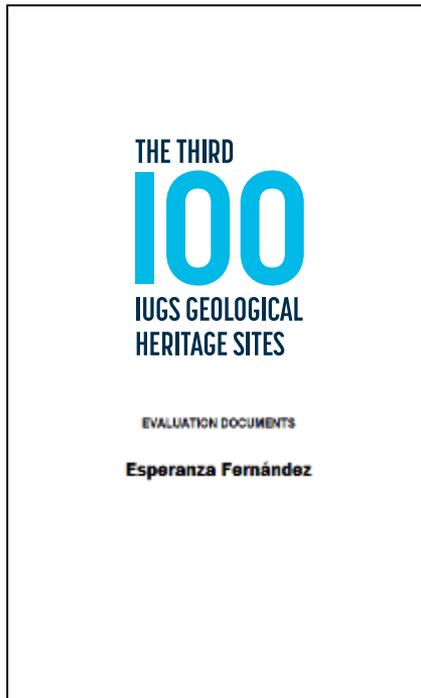


EVALUATION DOCUMENTS. Sept 25

104 EVALUATION DOCUMENTS were prepared and distributed among evaluators.

Each document contained all the sites assigned to each evaluator + the evaluation template

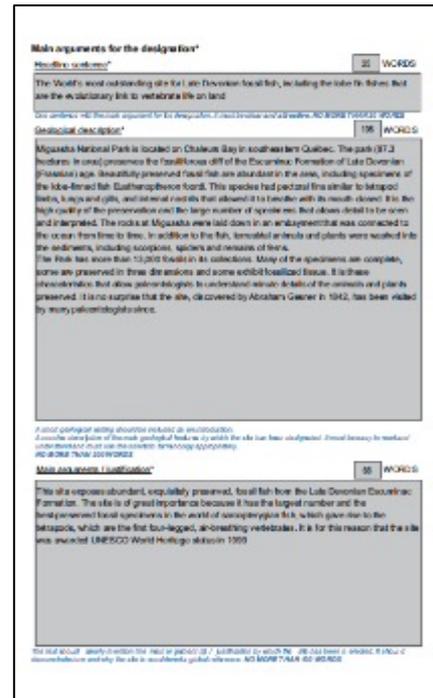
Cover



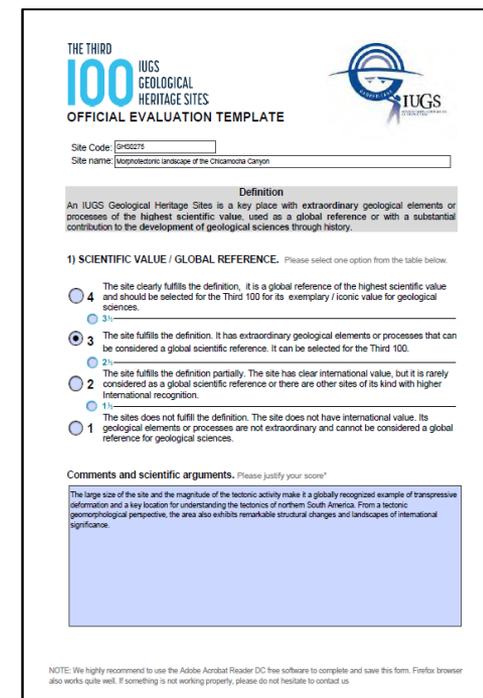
Index



Sites description files



Evaluation template



EVALUATION PROCESS

THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES

720 evaluations

have been completed in time. Each site has been evaluated by 5 experts.

104 experts

from 32 nations covering all geological disciplines have participated.

THANK YOU VERY MUCH!!!



All evaluators were recognized with an **IUGS diploma** for their valuable contribution

THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES



“ An IUGS Geological Heritage Sites is a key place with extraordinary geological elements or processes of the highest scientific value, used as a global reference or with a substantial contribution to the development of geological sciences through history.„

ON BEHALF OF THE INTERNATIONAL UNION OF GEOLOGICAL
SCIENCES AND ITS INTERNATIONAL COMMISSION ON GEOHERITAGE,

we recognize and express appreciation to

Asfawossen Asrat

for dedicated service in evaluating proposals for
the Third 100 IUGS Geological Heritage Sites.

YOUR EVALUATIONS MAINTAIN THE INTEGRITY AND SCIENTIFIC RIGOR OF THE SELECTION PROCESS
AND PROVIDE SUPPORT CRITICAL TO AN AMBITIOUS AND RENOWNED GEOLOGICAL ENDEAVOR.

September - December / 2025

Ludwig Stroink
Secretary General, International Union of Geological Sciences (IUGS)

Asier Hilario
Chair, IUGS-International Commission on Geoheritage

EVALUATION AND SCORING

The final scoring for each site has been obtained by an average value of the five assessments.

The scoring is based on the following table. Only sites with an **average value 3 or above 3** can be designated for the Third 100. The IUGS team has double checked all evaluations to avoid inconsistent scorings and get a well-balanced final result.

The comments from the evaluators have been very valuable for the final selection.

4

The site clearly fulfills the definition, it is a global reference of the highest scientific value and should be selected for the Third 100 for its exemplary / iconic value for geological sciences.

3

The site clearly fulfils the definition, it is a global reference of the highest scientific value and could be the selected for the Third 100.

2

The site fulfils the definition partially. The site has clear international value, but it is rarely considered as a global scientific reference or there are other sites of its kind with higher International relevance.

1

The site does not fulfil the definition. The site does not have international value. Its geological elements or processes are not extraordinary and can not be designated as an IUGS Site.

THE FINAL TABLE. Jan 26

Site code
Chapter

Name

Country

Headline

Final value

Evaluator 1

Evaluator 2

Evaluator 3

Evaluator 4

Evaluator 5

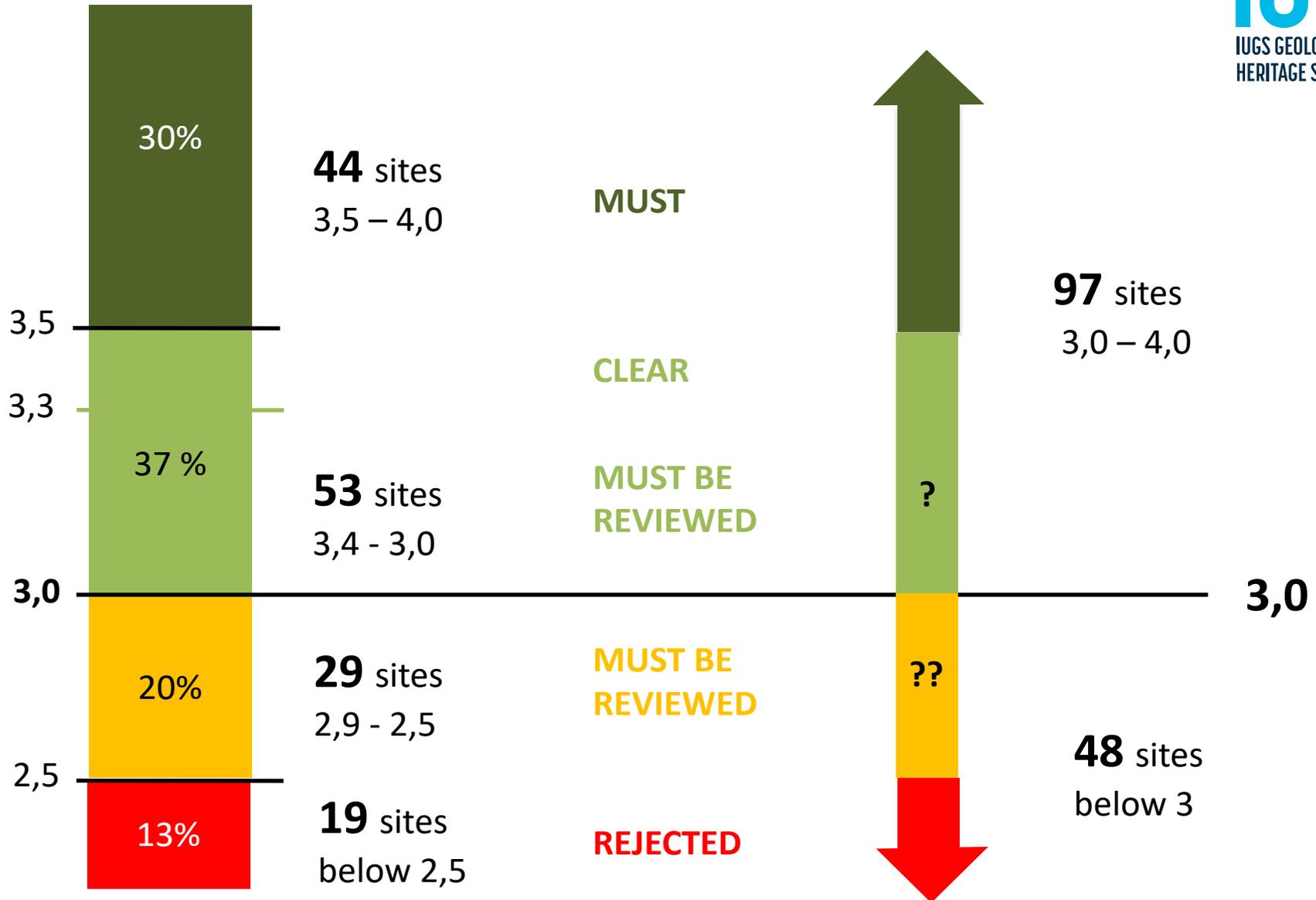
% above 3

Quality

145 SITES

Site code	Chapter	Name	Country	Headline	Final value	Evaluator 1	Evaluator 2	Evaluator 3	Evaluator 4	Evaluator 5	% above 3	Quality	
GH50430	3	Bismackler	Germany	A terrestrial Lagerstätte unique in the world for abundance and quality of tetrapod tracks and preservation of associated vertebrate skeletons	3,30	3,5	4	2	3,5	3,5	80,00	2,80	
GH50430	3	Ediacaran Fossils of Charnwood Forest	UK	Charnwood Forest is home to the first, conclusively Precambrian fossils ever discovered, revealing the story of our oldest animal ancestors	3,30	3,5	4	4	3	4	60,00	2,80	
GH50327	4	The Hahnum Formation - C combustion Metamorphism Complex	Israel	The extraordinary acidic mineral assemblage of the Hahnum Formation is a superb example of the combustion metamorphism of oil shale	3,30	3	3	3,5	4	4	100,00	3,00	
GH50403	4	Yongchongdong Lava Tube	S. Korea	Yongchongdong lava tube is one of the most beautiful lava tube in the world	3,30	4	4	2,5	3,5	2,5	60,00	2,80	
GH50435	6	The Andean structure at Cerro Aucocagua	Argentina	The world's highest mountain produced in a fold and thrust belt associated with robust compressive subduction	3,30	4	4	2,5	3	3	80,00	3,00	
GH50349	8	The Chocolate Hills of Bohol	Philippines	A tropical karstland landscape carved on Pliocene-Pleistocene limestones and formed by active tectonic, climatic, and sea-level change	3,30	4	4	4	2,5	2	60,00	3,20	
GH50429	8	The Gavarnie Cirque	France	The largest natural cirque in Europe described as "Nature's colossus" by the French author Victor Hugo	3,30	4	3	4	3	2,5	80,00	2,80	
GH50437	1	Komond Hills	Czech	A small volcano once played a crucial role during the controversy between Plutonists and Neoplatonists over the origin of rocks	3,30	4	3,5	3	1,5	3,5	4	83,33	3,00
GH50238	2	Vena del Gesso Romagna	Italy	The Gesso offers an outstanding witness of the Messinian Mediterranean salinity crisis and hosts peculiar last evolution processes and landforms	3,25	2	3	4	4	4	75,00	3,00	
GH50269	2	The Early Pleistocene Monte Albano-Ideale	Italy	One of the best exposures, most continuous and highly studied outcrop of marine sediments encompassing the Lower-Middle Pleistocene boundary	3,25	3	3	3	3	4	100,00	3,50	
GH50218	3	Late Devonian tetrapods and extantine	S. Africa	The only known Permian polar extantine Lagerstätte, including the only non-tropical Devonian tetrapods, and oncogenic areas of the oldest Karoo	3,25	3	3	3	4	3	100,00	3,50	
GH50230	4	Comallales	Columbia	Like a window to the mantle composition, the youngest komallales on Earth outcrop in a scenic island offshore western Colombia	3,25	4	4	3	2	3	75,00	2,75	
GH50440	4	The euro-crochona	Spain	Complete and continuous European continental archive, recording tectonic, climatic, and biological evolution over the past 7 million years	3,20	4	4	3	4	2	80,00	3,00	
GH50350	4	Monte	Portugal	An iconic Cretaceous magmatic occurrence, critical to understand how the Atlantic Ocean formed, with unique rock types	3,20	4	3	4	2,5	2,5	60,00	3,00	
GH50313	4	Harad in the Vaidi	Georgia	1000 m tall sections of large caldera eruption formation with 100 m thick ignimbrites and visible tectonic faults in outcrops	3,20	3,5	4	3,5	2	3	80,00	2,00	
GH50332	4	Damava	Iran	The greatest intracontinental tectonoclastic with unique tectonic setting and mythic legacy, offering an accessible classroom to volcanic structures and history	3,20	2,5	3,5	3	3	4	80,00	2,80	
GH50432	4	Scamp	Chile	Volcanic cones are one of the most significant destructive processes in long-lived volcanoes, consisting of wide spread landforms of a volcano	3,20	2	4	3	4	3	80,00	3,50	
GH50201	6	An active volcano	N.Z.	One of the Earth's best exposed and accessible accretionary wedge in a Miocene - Pliocene subduction factory in New Zealand	3,20	3	3	2,5	4	3,5	80,00	3,80	
GH50342	6	Camaron	Argentina	Camarones offers a unique window into Early Pliocene to Holocene coastal dynamics, past sea levels, and global climatic-sea level interactions	3,20	4	3,5	2,5	4	2	60,00	3,00	
GH50414	8	Turo Wilson Seamount Complex	Canada	Turo Wilson Seamount Complex (on a triple junction) has exceptional biogeodiversity with a skate nursery in a Bamboo Coral Garden	3,20	2,5	3	4	3,5	3	80,00	2,80	
GH50323	1	Bibbitybat	Azerbaijan	Global energy use was changed forever at Bibbitybat, the site of the world's oldest commercial oil well, dated 3800	3,17	4	4	3	2,5	1,5	4	66,67	2,50
GH50439	1	Mars and Dismemes of the "Swabian Volcano"	Germany	Is magma active or passive? This general question informed the interpretation of the world's largest maar field for many decades	3,17	4	3	3,5	3	2	3,5	83,33	3,00
GH50324	1	Fernando de Noronha Archipelago Alkaline Magmatic	Brazil	The Fernando de Noronha Archipelago is one of the most notable alkaline volcanic provinces among oceanic island archipelagos	3,13	3	4	3	2,5	3,5	75,00	3,00	
GH50436	1	Tlissac of Djebel Chettaba	Algeria	The discovery of Myophoria in the limestone of the Djebel Chettaba in 1896 allowed the Triassic period to be extended throughout North Africa, marking a major geological event	3,10	3	4	2	4	2,5	60,00	2,80	
GH50373	2	Nise uplifted coal ash	Nise	Nise, "the Rock of Polynesia", the world's largest uplifted coal ash	3,10	3	3	4	2,5	3	80,00	3,40	
GH50407	2	Makgadikgadi Pans	Botswana	The largest evaporitic pans in southern Africa with thick succession of Pleistocene to Holocene fluviolacustrine deposits under active ephemeral lakes	3,10	3	3	3,5	3	3	100,00	3,20	
GH50431	2	Cenozoic stratigraphic section at the Lea River canyon, near Qullagaa	Chile	Up to 40 million years of sedimentological and paleoclimatic archive, revealed on a deep canyon in Atacama hyperarid desert	3,10	2	3	2,5	4	4	60,00	2,80	
GH50424	3	Quaternary vertebrate fossils of Big Bone Lick	USA	The "Bible of American Vertebrate Paleontology," one of the world's most outstanding sites for Pleistocene megafaunal mammals	3,10	2	3,5	3,5	2,5	4	60,00	2,80	
GH50412	4	Dun Mountain	N.Z.	Dun Mountain from where the olivine-dominated ultramafic rock, dunite names come from along the Pleistocene mafic dyke complex as a rock type	3,10	4	2,5	3,5	3,5	3	60,00	2,80	
GH50408	4	Menu Volcano Debris Avalanche Deposit (DAD)	Tanzania	The Debris Avalanche Deposit (DAD) which resulted from partial flank collapse of Menu volcano in northern Tanzania is one of the largest DADs in the world	3,10	4	3	3	2,5	3	80,00	3,00	
GH50442	6	Welded block-and-ash pyroclastic flow deposits at the northern Andes	Columbia	Uncommon welded block-and-ash pyroclastic deposits are the base of a scenic, high-altitude, alluvial fan-like gullies in the Colombian Andes	3,10	3,5	3,5	3,5	3,5	2,5	60,00	2,80	
GH50213	8	Quaternary Andean megapiles and windings of Campo de Piedra Pómez	Argentina	An impressive example of erosional depositional and erosion landforms on volcanic rocks at high altitude	3,10	2	3,5	3,5	3	2,5	80,00	3,40	
GH50379	8	The Sassi Rocci site	Italy	The Sassi Rocci excavation reveals sea-level changes and karst rock shelters with sediments recording human presence since the Middle Pleistocene	3,10	4	4	2,5	2,5	2,5	40,00	3,40	
GH50348	1	Drake Well	USA	The 1859 Drake Well revolutionized energy use worldwide and established the field of petroleum geology	3,00	4	4	3	2,5	3,5	3	66,67	3,00
GH50400	1	Ság Hill volcano	Hungary	Ság Hill as the epitome of modern geomorphological research, a successful testing site of the divide-peridurum gravity measurement instrument	3,00	4	3	3,5	2,5	2	3	71,43	3,50
GH50339	2	Lacustrine Green River Formation (Eocene)	USA	The Green River Formation contains history of the Eocene Climate Optimum and one of the richest oil shale resources known	3,00	4	3	2	4	2	60,00	2,80	
GH50417	2	Selenitic gypsum evaporites of Ponieta Region, northern Caspian Foredeep	Poland	Unique Miocene gypsum evaporites with excellently exposed giant selenitic crystals, gypsum concretions and selenitic sedimentary structures in karst landscape	3,00	3	3,5	2,5	2	4	60,00	2,60	
GH50005	3	Classic microbial mats in a Mesozoceanic tidal flat	S. Africa	Worldwide unique suite of classic microbial mat structures that record ancient climate zones in the Archean Sea	3,00	3	3	2	4	3	75,00	2,25	
GH50133	3	Lower Cretaceous Tlayúa Lagerstätte quarry	Mexico	Due the diversity and extraordinary preservation of its fossils, the Tlayúa quarry has been recognized as a Lagerstätte	3,00	3	4	3,5	2	2,5	60,00	2,40	
GH50274	3	Wen's Nest - A diverse Tertiary fossil assemblage	UK	An exceptionally abundant, diverse and well preserved shallow marine invertebrate fauna, world famous for its shelled	3,00	3	2	3	3	3	75,00	3,00	
GH50330	3	Madaglan - The Fossil Tussock Tere of Central Asia	Kyrgyzstan	A 500 million year record of Central Asia's geological and life evolution, including the world's richest Tertiary non-marine fossil assemblage	3,00	4	2	4	3	2	60,00	2,80	
GH50340	3	Early Middle-Middle Jurassic Dinosaur Assemblages	China	Early Middle-Middle Jurassic Dinosaur Assemblages Fill A Gap in Dinosaur Evolution	3,00	3	2	3	4	3	80,00	3,00	
GH50107	6	Mount Olympus tectonic window	Greece	Twenty Mountains on Earth and one on Mars are named after Mount Olympus, a tectonic window that shaped western civilization	3,00	2	2,5	3,5	3	4	60,00	3,00	
GH50125	6	Zuccale low angle normal fault (Edda Island)	Italy	The best exposure of a crustal extensional shear zone in the Mount Mediterranean area	3,00	2	3	3	4	3	75,00	2,50	
GH50290	6	Damit sheath folds in Wadi Mayh	Oman	This site displays rare, large and superbly exposed sheath folds, which formed during high non-coaxial strain	3,00	3	3	2	4	3	75,00	3,00	
GH50331	6	Teufelsmauer (Devil's Wall) Widdensleben	Germany	Teufelsmauer cliffs witnessing the upthrust of the Harz Massif	3,00	2,5	3,5	3,5	3	2,5	60,00	3,20	
GH50364	7	The Dundas eclogite mines	Australia	The Dundas region in Tasmania, Australia, is the source of the world's finest eclogite (quartz chromite) gemstones	3,00	2,5	3,5	1,5	2,5	4	4	50,00	3,17
GH50272	8	Symon's landscape	Iran	One of the most catastrophic Quaternary geological events, signified as the largest landslide on the planet earth	3,00	2	4	3	3	3	75,00	2,50	
GH50422	8	Talavera Badlands	Spain	Classic badland locality in a tectonically active setting and a unique living laboratory to investigate water-related erosion processes	3,00	2,5	4	2,5	4	2	40,00	3,40	
GH50008	9	Charlevoix Astrobleme	Canada	One of the best preserved ancient complex meteor crater structures with recognizable rim, central peak and structures in an inhabited area	3,00	4	3	3	3	2	80,00	3,00	
GH50395	9	Tim Bider impact crater	Algeria	The Bider's well-preserved morphology and preserved shock features in Cretaceous strata are key to impact cratering science	3,00	4	2,5	2	3	3,5	60,00	2,80	
GH50319	1	Barro II Well and C. Ramos Oil Field	Venezuela	The Barro II gusher in 1922 transformed Venezuela into a global oil powerhouse with the world's largest oil reserves today	2,92	3,5	4	3	2	2,5	2,5	50,00	2,67
GH50396	6	French beach-branch triple junction off Bora, C. Iloilo	Japan	World unique beach-branch triple junction with a large frontal collapse through accretion and erosion by the plate subduction	2,92	3	2,5	3,5	3	2,5	3	66,67	2,67
GH50409	6	Sof Omar Caves	Ethiopia	A spectacular karst landscape with extensive cave passages and subterranean river system showcasing	2,92	4	2,5	3,5	2,5	2	3	50,00	2,83

SCORING DISTRIBUTION



FINAL SELECTION

The final selection of the **Third 100** has been made by the **IUGS Selection Committee** considering the following parameters:

1. Scientific assessment / final score.

This is most important.

2. The quality of the proposal

Writing and images must meet high standards required.

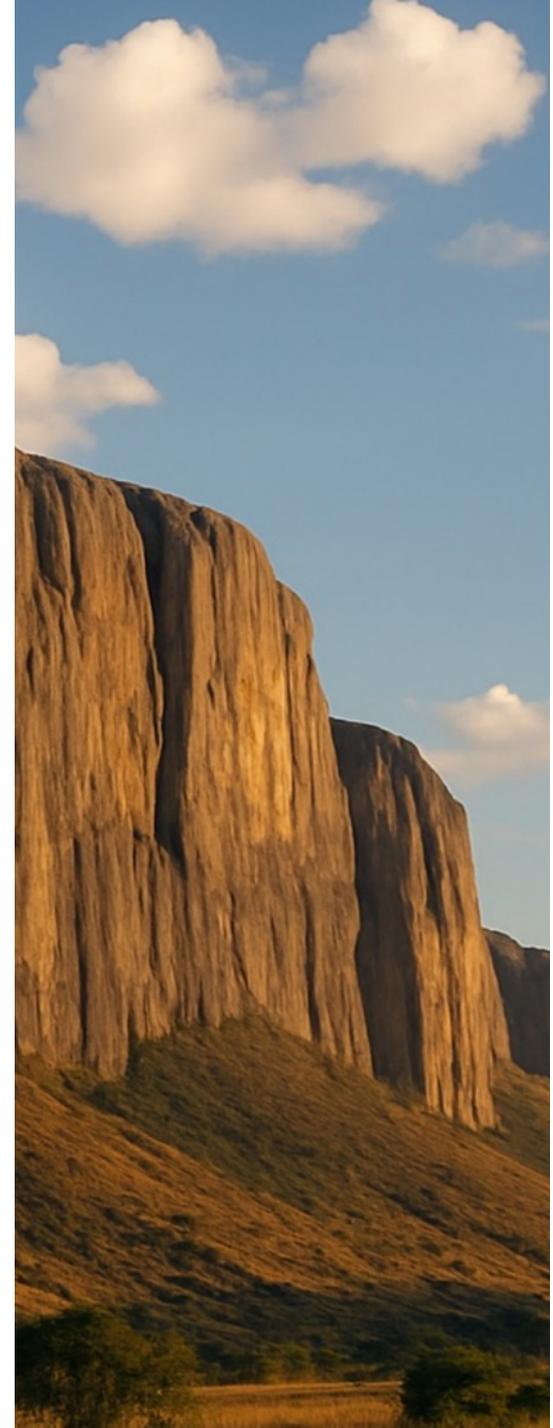
3. Geographical distribution

The final list will try to have a balanced geographic distribution.

4. Typological distribution

The final list will try to represent well all geological disciplines.

The Selection Committee is formed by 6 IUGS representatives
+ one representative from each international organization.



IUGS DOUBLE AND FINAL CHECK

The IUGS team has analyzed carefully all the sites with an average scoring between 3,3 and 2,5 adding an additional scoring when there was a large discrepancy between the highest and lowest scores, also taking into account the percentage of evaluators who voted 3 or more.

This final step has increased the consistency of the final selection by making a comparative analysis.

ID	Category	Score	Title	Region	Description	Score	3	2	1	0	Final Score		
GH50047	THIRD 100	2	Mudstone Plate	Southwest Africa	Southwest Africa with thick mudstone-dominated sedimentary rock	3,10	5	5	5	5	100,00		
GH50412	THIRD 100	4	Dun Mountain	ASIA/PACIFIC	N.Z. Dun Mountain from which the volcano-dominated sedimentary rock	3,10	4	3	3	3	80,00		
GH50442	THIRD 100	3	Welded block-and-ash pyroclastic flow deposits at the northern Andes	AMERICA	Colombia Welded block-and-ash pyroclastic flow deposits at the northern Andes	3,10	3,5	3,5	3,5	3,5	80,00		
GH50211	THIRD 100	3	Llaneros section megapillars and windings of Campa de Piedra Blanca	AMERICA	Argentina Llaneros section megapillars and windings of Campa de Piedra Blanca	3,10	3,5	3,5	3,5	3,5	80,00		
GH50385	THIRD 100	2	Lacustrine Green River Formation (Eocene)	AMERICA	USA Lacustrine Green River Formation (Eocene)	3,08	4	3	3	4	80,00		
GH50133	THIRD 100	3	Lower Cretaceous Tlayúa Lagerstätte quarry	AMERICA	Mexico Lower Cretaceous Tlayúa Lagerstätte quarry	3,08	3	4	3,5	3,5	80,00		
GH50313	SELECTED	3	Mixed ignimbrites and unique tectonic structures in the Vanda Rift	MID DLE-EAST	Georgia Mixed ignimbrites and unique tectonic structures in the Vanda Rift	3,08	3,5	4	3,5	3	80,00		
GH50107	THIRD 100	6	Mount Olympus tectonic window	EUROPE	Greece Mount Olympus tectonic window	3,08	3	3,5	3,5	3	80,00		
GH50400	THIRD 100	1	Ság Hill volcano	EUROPE	Hungary Ság Hill as the topographic of the Red Danube	3,00	4	3	3,5	3,5	74,44		
GH50209	THIRD 100	2	The Silesian Stratigraphic Section Cella	EUROPE	Austria The Silesian Stratigraphic Section Cella	3,00	2	3	2,5	2,5	60,00		
GH50345	THIRD 100	2	The Quaternary Serial tectonic system of the Somme	EUROPE	France The Quaternary Serial tectonic system of the Somme	3,00	3	2,5	2,5	3,5	60,00		
GH50068	THIRD 100	3	Clastic microbial mats in a Mesozocean tidal flat	AFRICA	S. Africa Clastic microbial mats in a Mesozocean tidal flat	3,00	3	3	3	4	75,00		
GH50274	THIRD 100	3	Wain's Nest - A diverse Silurian fossil assemblage	EUROPE	UK Wain's Nest - A diverse Silurian fossil assemblage	3,00	3	3	3	3	75,00		
GH50090	SELECTED	3	Madagen: The Fossil Treason Type of Central Asia	MID DLE-EAST	Kyrgyzstan Madagen: The Fossil Treason Type of Central Asia	3,00	4	3	4	3	80,00		
GH50340	THIRD 100	3	Early Holocene Middle Jomon Archaeological Site	ASIA/PACIFIC	Japan Early Holocene Middle Jomon Archaeological Site	3,00	4	2	3,5	4	80,00		
GH50374	THIRD 100	4	Jorjani Younger Gravels of the Nigeria	AFRICA	Nigeria Jorjani Younger Gravels of the Nigeria	3,00	4	3,5	4	3,5	80,00		
GH50302	THIRD 100	4	Torshöfnur volcano	EUROPE	Iceland Torshöfnur volcano	3,00	3	3	3,5	4	80,00		
GH50367	SELECTED	4	Nisusofu Volcano	ASIA/PACIFIC	Tonga Nisusofu Volcano	3,00	2	3	2,5	3	60,00		
GH50433	THIRD 100	3	Slieve Gullion Complex	EUROPE	UK Slieve Gullion Complex	3,00	3	3	4	3	80,00		
GH50164	THIRD 100	4	The Klanshuhe Fault, the most active fault in China	ASIA/PACIFIC	China The Klanshuhe Fault, the most active fault in China	3,00	3	2,5	3,5	3,5	80,00		
GH50165	THIRD 100	6	Zaccata low angle normal fault (Etna Island)	EUROPE	Italy Zaccata low angle normal fault (Etna Island)	3,00	2	3	3	4	75,00		
GH50290	THIRD 100	6	Qiantang fault folds in West China	MID DLE-EAST	Qiantang fault folds in West China	3,00	3	3	3	3	75,00		
GH50393	THIRD 100	6	Dunhuang-Kashgum Thrust origin and emplacement of basaltic rocks in the accretionary complexes	ASIA/PACIFIC	Japan Dunhuang-Kashgum Thrust origin and emplacement of basaltic rocks in the accretionary complexes	3,00	4	2	3,5	3,5	80,00		
GH50364	THIRD 100	7	The Dundas carbonate mines	ASIA/PACIFIC	Australia The Dundas carbonate mines	3,00	3,5	3,5	3,5	3,5	80,00		
GH50118	THIRD 100	8	Fish River Canyon	AFRICA	Namibia Fish River Canyon	3,00	4	3	3	4	80,00		
GH50272	THIRD 100	8	Seymschkar landslide	MID DLE-EAST	Iran Seymschkar landslide	3,00	2	4	3	3	75,00		
GH50409	SELECTED	8	Suf Omar Crater	AFRICA	Ethiopia Suf Omar Crater	3,00	3	2,5	3	2,5	80,00		
GH50098	THIRD 100	9	Qattaniya	AFRICA	Qattaniya	3,00	4	3	3	3	80,00		
GH50323	POSTPONED	1	Shmeryat Oilfield	MID DLE-EAST	Azerbaijan Shmeryat Oilfield	2,93	4	4	3	3,5	1,5	66,67	
GH50319	POSTPONED	1	Bononi S Well and C Sabines Oil Field (Paleogene-Neogene)	AFRICA	Venezuela Bononi S Well and C Sabines Oil Field (Paleogene-Neogene)	2,92	3,5	3	3	2	2,5	50,00	
GH50436	POSTPONED	1	Troasite of Djebel Chertaba	AFRICA	Algeria Troasite of Djebel Chertaba	2,92	3	4	2	4	3	80,00	
GH50417	POSTPONED	2	Selenitic gypsum evaporites of Pomicze Region, northern Carpathian	EUROPE	Poland Selenitic gypsum evaporites of Pomicze Region, northern Carpathian	2,92	3	3,5	2,5	2	2,5	60,00	
GH50431	POSTPONED	2	Quaternary stratigraphic section at the Loa River canyon, near Qattaniya	AFRICA	Chad Quaternary stratigraphic section at the Loa River canyon, near Qattaniya	2,92	2	3	2,5	4	2	60,00	
GH50331	POSTPONED	6	Touletmauer (Devil's Wall) Weddellstein	EUROPE	Germany Touletmauer (Devil's Wall) Weddellstein	2,92	2,5	3,5	3,5	3	2,5	60,00	
GH50342	POSTPONED	8	C Ammanes	AMERICA	Argentina C Ammanes	2,92	4	3,5	2,5	4	1,5	60,00	
GH50379	REJECTED	8	The Salt River escarpment	EUROPE	Italy The Salt River escarpment	2,92	4	4	2,5	2,5	3	60,00	
GH50422	POSTPONED	9	Tabernas Badlands	EUROPE	Spain Tabernas Badlands	2,92	2,5	4	2,5	4	2,5	40,00	
GH50365	POSTPONED	9	Tin Rider impact crater	AFRICA	Algeria Tin Rider impact crater	2,92	4	2,5	2	3	2,5	60,00	
GH50398	POSTPONED	2	Large and fossil microliths of Laguna de los Clones, Tierra del Fuego	AMERICA	Chile Large and fossil microliths of Laguna de los Clones, Tierra del Fuego	2,83	2	3,5	3,5	3	3	60,00	
GH50381	POSTPONED	3	Spatytsand Fossils Nature Conservation Area	EUROPE	Hungary Spatytsand Fossils Nature Conservation Area	2,83	4	2	2,5	3	2,5	60,00	
GH50314	POSTPONED	6	The Arabian Red Sea Escarpment	MID DLE-EAST	Y. Arabia The Arabian Red Sea Escarpment	2,83	2,5	3	2,5	3,5	3,5	60,00	
GH50428	REJECTED	2	Project C-1000, Suez Canal Basin	EUROPE	Germany Project C-1000, Suez Canal Basin	2,75	3	1,5	2,5	2,5	3	40,00	
GH50402	REJECTED	3	Yahooki Point Beach	ASIA/PACIFIC	N.Z. Yahooki Point Beach	2,75	4	2,5	3	3	3	60,00	
GH50339	POSTPONED	3	Early Devonian Xiong Fomao Site	ASIA/PACIFIC	China Early Devonian Xiong Fomao Site	2,75	3	2,5	3	3,5	4	40,00	
GH50386	REJECTED	4	C adonneses Fault	EUROPE	Spain C adonneses Fault	2,75	3	2	2	3	3,5	40,00	
GH50410	REJECTED	8	The early lagoon of Mar Cinqneta	AMERICA	Argentina The early lagoon of Mar Cinqneta	2,75	2,5	2	2	3,5	2,5	40,00	
GH50348	POSTPONED	1	Duake Well	AMERICA	USA Duake Well	2,71	4	3	1	2,5	3,5	3	66,67
GH50343	POSTPONED	2	The Upper Permian loess and palaeosol sequences from Nardos, France	EUROPE	France The Upper Permian loess and palaeosol sequences from Nardos, France	2,70	3,5	2,5	2	3,5	2	40,00	
GH50401	POSTPONED	2	Adolf Bänderschiefer	EUROPE	Germany Adolf Bänderschiefer	2,70	2	2,5	3	3,5	3,5	40,00	
GH50411	REJECTED	3	Machinchang mountain range	ASIA/PACIFIC	Malaysia Machinchang mountain range	2,67	3	2	2,5	3	2,5	60,00	
GH50428	REJECTED	3	The Victoria River Devonian marine palaeontological site of Berrabah, Queensland	AMERICA	Colombia The Victoria River Devonian marine palaeontological site of Berrabah, Queensland	2,67	2	2	2,5	2	2,5	40,00	
GH50396	REJECTED	3	Explosive Pleistocene Eruptions of the Baekdusan Volcano	ASIA/PACIFIC	N. Korea / C Baekdusan Volcano	2,67	2,5	2	1,5	2,5	3	40,00	
GH50433	POSTPONED	3	The Pleistocene fossiliferous succession of the Anis River	EUROPE	Italy The Pleistocene fossiliferous succession of the Anis River	2,60	3	2,5	2,5	3	2	40,00	
GH50295	REJECTED	6	Laganah Buton Zone	ASIA/PACIFIC	China Laganah Buton Zone	2,60	3	3,5	2	2	2,5	40,00	
GH50318	REJECTED	3	Palaosol from the phosphatic stromatolites, Chitkoot, central India	ASIA/PACIFIC	India Palaosol from the phosphatic stromatolites, Chitkoot, central India	2,50	3	2,5	2	2	2	40,00	
GH50380	REJECTED	3	Puerto Jardi Palaeosol	ASIA/PACIFIC	Indonesia Puerto Jardi Palaeosol	2,50	3	2	3	2	2,5	40,00	
GH50376	REJECTED	3	Puyango-Los Zafraos Aquatic Pesticide Fossil	AMERICA	Ecuador Puyango-Los Zafraos Aquatic Pesticide Fossil	2,50	3	2	2,5	3	40,00		
GH50344	REJECTED	8	Noncyclic unconformity of alluvial deposits in the Santa Maria Valley	AMERICA	Argentina Noncyclic unconformity of alluvial deposits in the Santa Maria Valley	2,42	1	3	3	3	2,5	40,00	
GH50373	REJECTED	8	Nanda Pecambrian Gneiss Escarpment	AFRICA	Madagascar Nanda Pecambrian Gneiss Escarpment	2,42	2,5	2,5	3,5	1	3	40,00	

FINAL SELECTION

<p>THE THIRD 100</p>	<p>THE THIRD 100 IUGS GEOLOGICAL HERITAGE SITES</p> <p>These sites haven't been accepted and pre-selected for the book. The editing review will require important improvements in many cases.</p> <p>Including 16 sites selected in 2024 in the Second 100 process</p>	<p>Average final value</p> <p>3,40</p>
<p>13 SITES THE FOURTH 100</p>	<p>ACCEPTED DIRECTLY FOR THE FOURTH 100</p>	<p>3,36</p>
<p>18 SITES POSTPONED</p>	<p>FINAL SCORING BETWEEN 2,5 - 3. THEY CANNOT BE ACCEPTED NOW, BUT WE SEE POTENTIAL IF THE PROPOSAL IS IMPROVED FOLLOWING THE COMMENTS OF THE EVALUATORS</p>	<p>2,83</p>
<p>30 SITES REJECTED</p>	<p>LOWER SCORINGS, USUALLY BELOW 2,5. WE BELIEVE THEY DO NOT FULFILL THE DEFINITION FOR AN IUGS GEOLOGICAL HERITAGE SITES</p>	<p>2,33</p>

3,0

TYOLOGICAL DISTRIBUTION

THE FIRST
100
IUGS GEOLOGICAL
HERITAGE SITES

THE SECOND
100
IUGS GEOLOGICAL
HERITAGE SITES

THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES

1. History of Geo.

2. Strati. & Sed.

3. Paleontology

4. Igneous & Met.

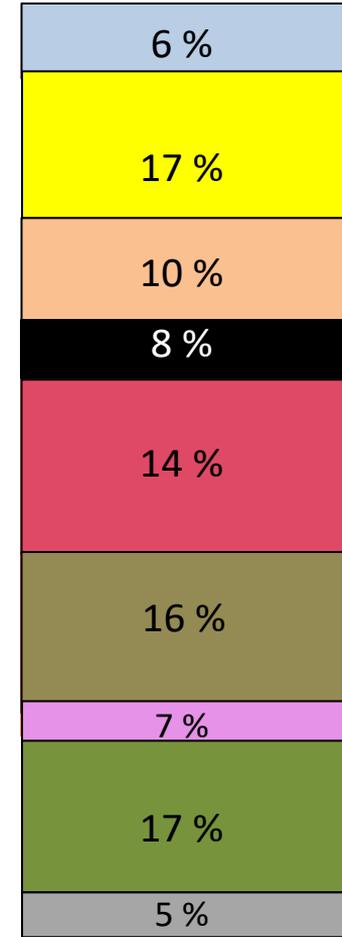
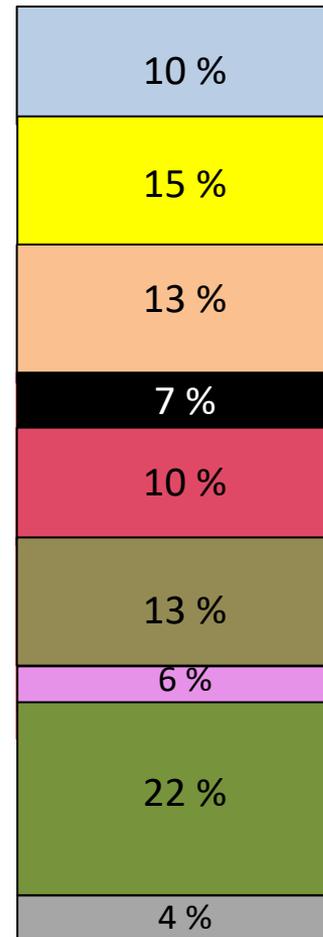
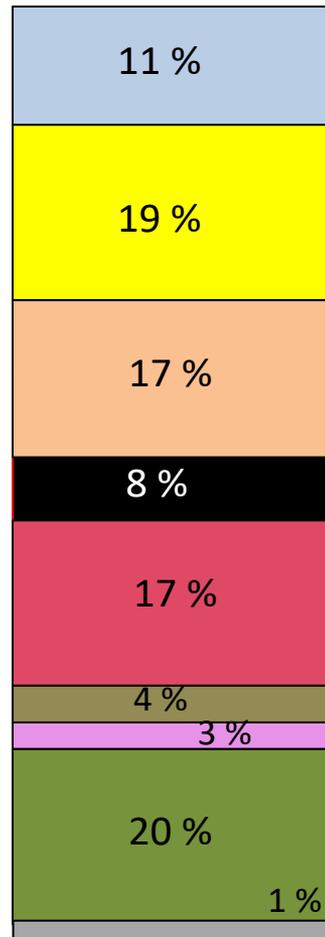
5. Volcanology.

6. Tectonics.

7. Mineralogy.

8. Geomorphology.

9. Impacts



GEOGRAPHIC DISTRIBUTION

AFRICA	11
Botswana	1
Morocco	1
Namibia	3
Nigeria	1
Tanzania	1
Zimbabwe	1
S. Africa	3

AMERICA	22
Argentina	3
Bahamas	1
Brazil	1
Canada	3
Chile	1
Colombia	3
Mexico	2
USA	8

ANTARCTICA	2
Antarctica	2

ASIA-PACIFIC	22
Australia	4
China	3
India	1
Japan	4
Micronesia	1
Niue	1
Philippines	1
Vanuatu	1
Vietnam	1
N.Z.	4
S. Korea	1

MIDDLE-EAST	6
Iran	2
Israel	1
Oman	2
S. Arabia	1

EUROPE	34
Austria	2
Denmark	1
France	2
Germany	3
Greece	2
Hungary	1
Iceland	2
Ireland	1
Italy	5
Norway	3
Portugal	2
Romania	1
Spain	3
Sweden	1
Switzerland	1
UK	3
Czech	1

A SNEAK PEEK OF THE THIRD 100

Spindletop	USA	Gusher Indicated First Major Salt Dome Oil Field and World's Most Prolific Discovery.
K/Pg Stratigraphic Section of Stevns Klint	Denmark	The best exposed and complete Cretaceous–Paleogene boundary section known, and with a major scientific significance.
Riversleigh	Australia	Riversleigh contains a rich, globally unique record of Australian mammal and other vertebrate evolution spanning the last 25 million years.
Jurassic Younger Granites of Jos Nigeria	Nigeria	Geomorphologically distinct anorogenic petrographic province that relates plate tectonics to stationary plumes on African plate due its age migration pattern.
Stromboli Volcano	Italy	The "lighthouse of the Mediterranean" stands out as the reference locality for Strombolian eruptions worldwide.
The andean structure at Cerro Aconcagua	Argentina	The world's highest mountain produced in a fold and thrust belt associated with robust compressive subduction.
Itoigawa Jadeitite	Japan	Jade from the deep: Itoigawa jadeitite as a plate tectonic gemstone and archaeological treasure
Northern San Andreas Fault, Olema, California	USA	Studies of the San Andreas Fault after the 1906 San Francisco earthquake advanced the scientific understanding of earthquakes and faults.
Yamato Mountains blue ice meteorite field	Antarctica	Blue ice meteorite fields are unique for Antarctica, and Yamato Mountains was the first described for meteoritics and glacial dynamics.
Galapagos Hydrothermal Vents	High Seas	The first hydrothermal vents discovered in the world ocean

NOTE: Do not make any promotion. **THE FINAL LIST** will be announced exclusively during the IUGS Geoheritage event. NOV 5-8 In Algaravensis Geopark. Portugal





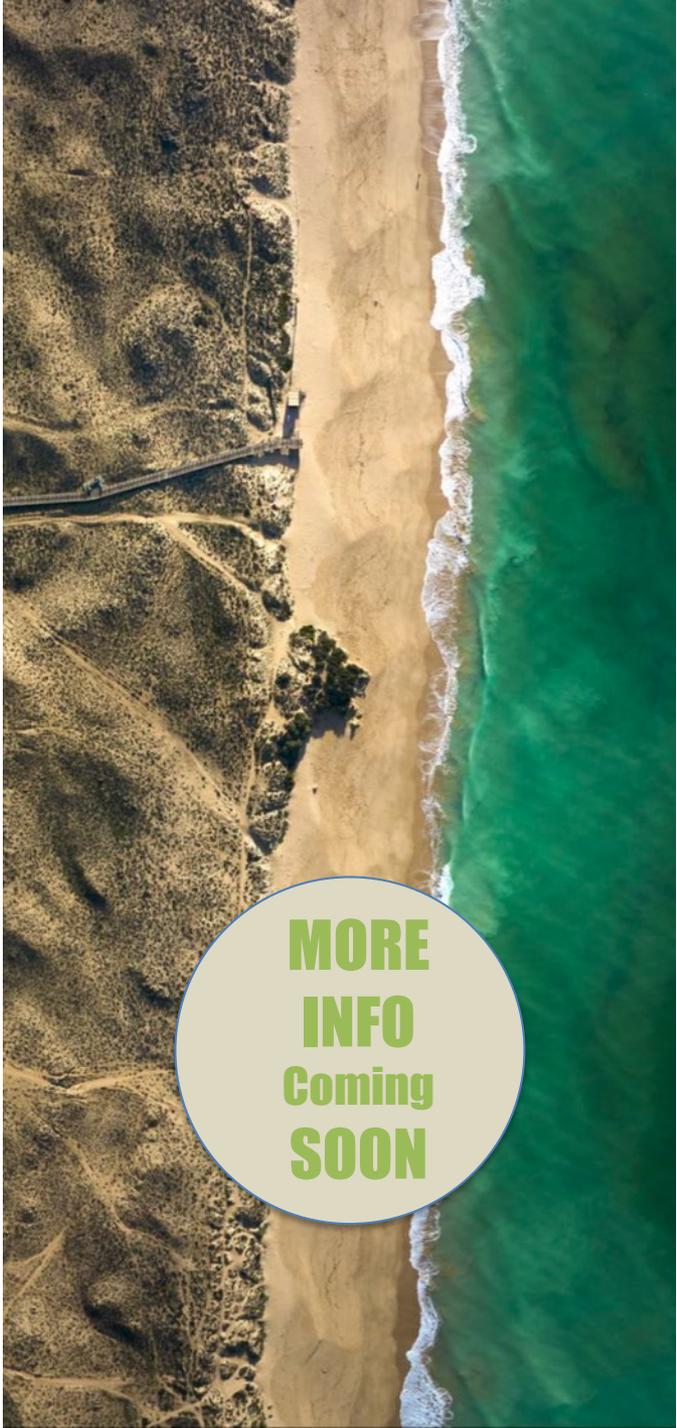
IUGS GEOHERITAGE 2026 EVENT

SAVE THE DATE !!

Join us in this unique event in a unique setting

NOVEMBER 4-8

ALGARAVENSIS GEOPARK. PORTUGAL



**MORE
INFO
Coming
SOON**

IUGS GEOHERITAGE 2026 EVENT

**Announcement & presentations of
The Third 100 IUGS Geological Heritage Sites**

New Heritage Stones

New Geocollections

Keynote lectures on Geoheritage

Discussion workshops

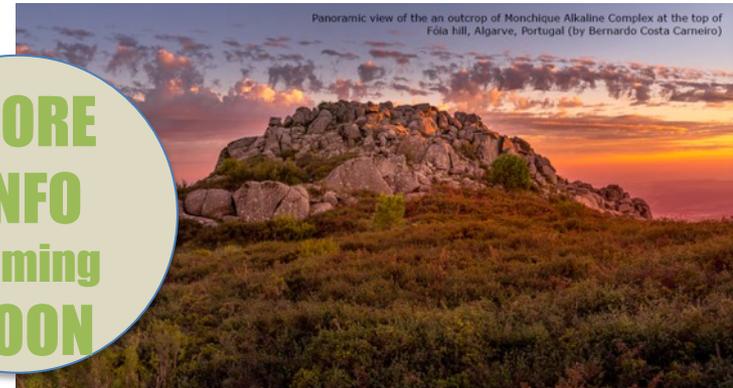
**MORE
INFO
Coming
SOON**

FIELD TRIPS TO IUGS DESIGNATED SITES

**Monchique Alkaline Complex
Unconformity of Telheiro beach**

OPTIONAL POST CONFERENCE FIELD TRIPS

Algarvensis geopark, Peniche stratigraphic section / Dinosaur footprint from Serras de Aire and Candeeiro / Giant trilobites of Canelas Quarry / Guimarota Mammals and vertebrates...



WHAT IS NEXT

THE THIRD
100
IUGS GEOLOGICAL
HERITAGE SITES

IF YOU ARE...

If you are an author of a site selected for The Third 100 we will contact you at the beginning of April with comments from the editors. Be ready to provide an improved version before May if needed. You will have the chance to present “your site” in the IUGS Geoheritage event. Please save the dates.

If you are an author of a site accepted for the Fourth 100 we will contact you at the beginning of 2027. Your site will be included in the list of the Fourth 100.

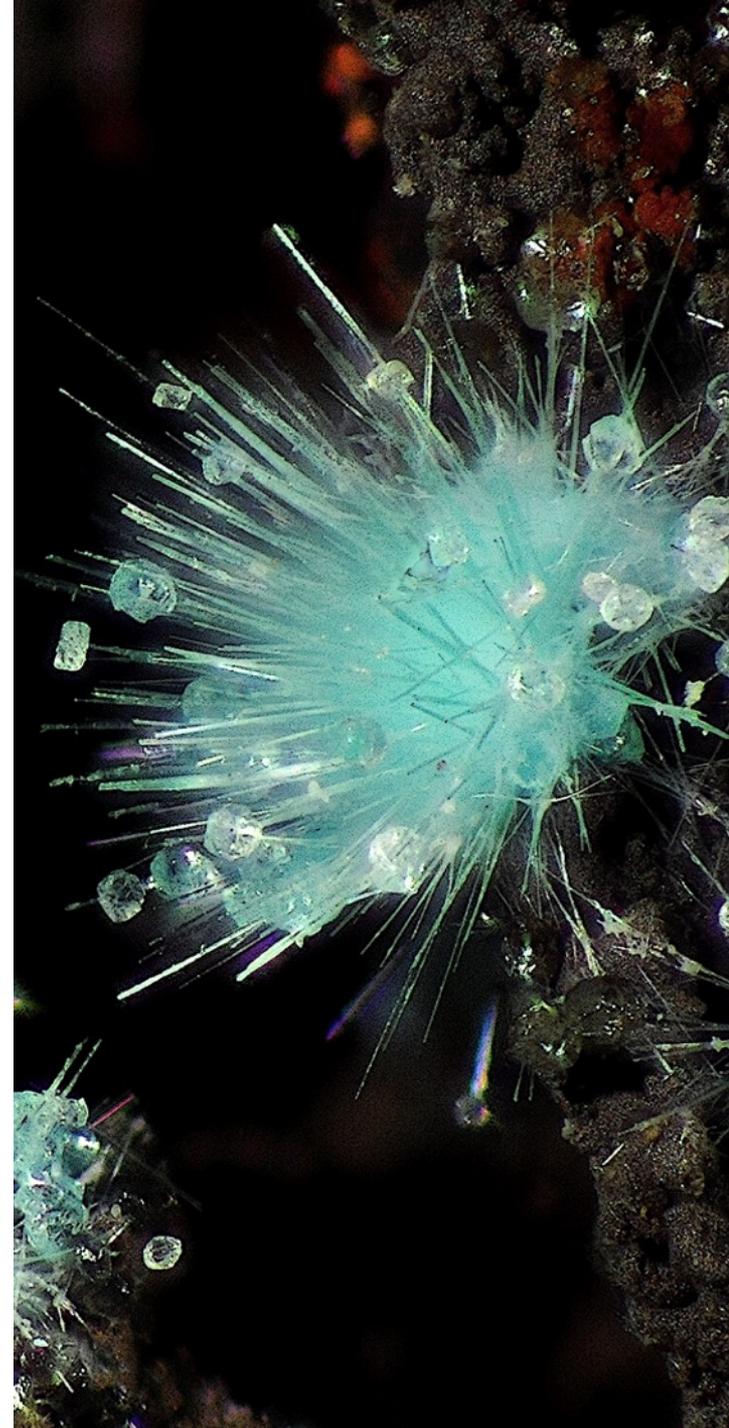
If you are an author of a postponed site we will contact you at the beginning of 2027. You will have the chance to submit directly to us an improved version following the comments of the evaluators.





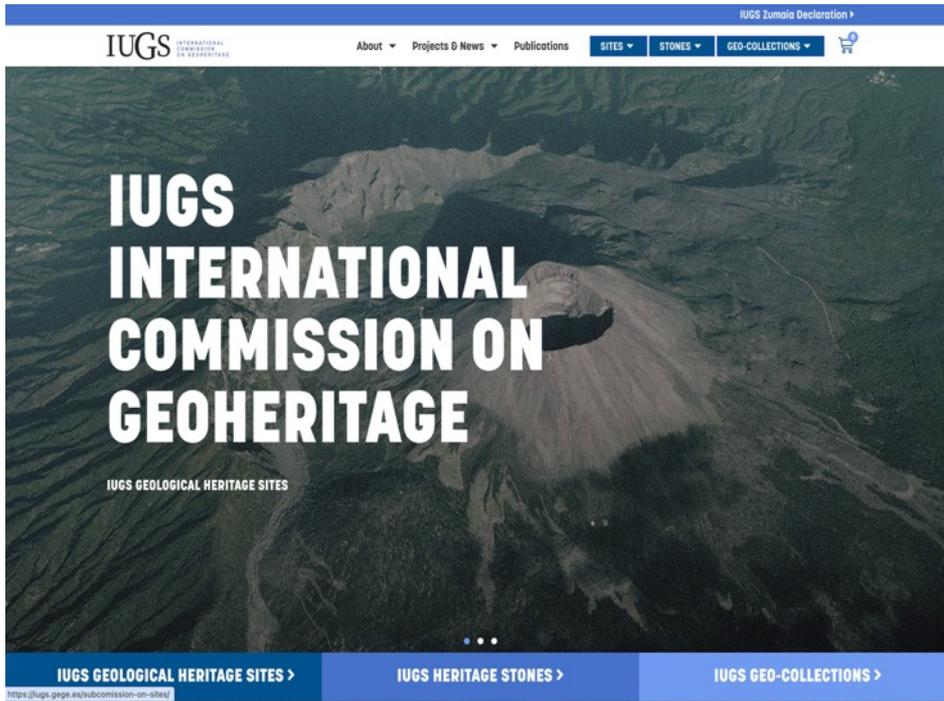
IUGS Geological Heritage Sites are the world's best demonstrations of geologic features and processes. They are the sites of fabulous discoveries of the Earth and its history. They are sites that served to develop the science of geology.

IUGS Sites represent the best spirit of collaboration and reflect immense pride in our science.



AND....

WHAT ELSE?



www.iugs-geoheritage.org

270.000 VISITORS
from **195** NATIONS



**A GLOBAL
REFERENCE WITH
GREAT VISIBILITY**

**DISCOVER ALL YOU NEED TO KNOW
ABOUT IUGS SITES, STONES AND
GEOCOLLECTIONS**

www.iugs-geoheritage.org

THANK YOU!

**FOR BEING PART OF THIS ADVENTURE
SEE YOU IN ALGARVE IN NOVEMBER**