

A UNIQUE
COLLABORATIVE & GLOBAL ENDEAVOR
FOR THE RECOGNITION OF SITES
THAT ARE ESSENTIAL
FOR THE GEOLOGICAL SCIENCES





OUR MAIN GOAL

Implementation of a global program led by the IUGS -International Commission on Geoheritage for the recognition of geological heritage sites that are essential for the development of Geological Sciences.



WHY IS THIS INITIATIVE NECCESARY?

This initiative gives visibility and **recognition to our science** and to our great contribution to the knowledge of the Earth system and its long history.

This initiative gives **recognition to scientist** that spent all their lives deciphering the secrets of the Earth.

Recognition by IUGS can lead to their **further appreciation**, to their use as educational resources, and, most importantly, to their **preservation**.

This initiative shows the best **spirit of collaboration** in Science.







DEFINITION AND MAIN STANDARDS

DEFINITION AND STANDARDS

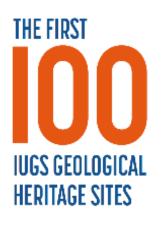
In Sept – Nov 2021 a group of 20 experts discussed and defined the main standards of the program.

https://iugs-geoheritage.org/selection-process/

"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 "

ZUMAIA. NOV.2021





2022





2024

CONSOLIDATION

of a global initiative

HOW DID WE DO IT?

KEEP IT SIMPLE

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

Our procedure is simple, transparent and feasible

We try to be effective creating tangible results



INTERNATIONAL & MULTIDISCIPLINARY COOPERATION



17 International organizations covering all geological disciplines participate in the program





























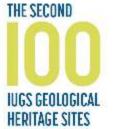








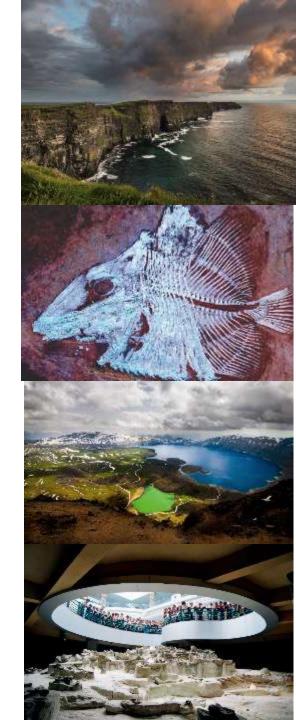




174 CANDIDATES FROM 64 COUNTRIES

were received in September 2023

23 new countries like Bolivia, Venezuela, Iceland, Finland, New Zealand, Vietnam, Tonga, Egypt, Iraq, Israel, Algeria ...



DISTRIBUTION OF CANDIDATE SITES



SITES POSTPONED FROM 2022



63 SITES

Most of the proposals were improved

NEW SITES PROPOSED IN 2023



47
SITES

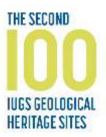
Submitted by international organizations

64 SITES

Submitted by national representatives



EVALUATION PROCESS



89 experts covering all geological disciplines have evaluated all the proposals. Most of the evaluators have been proposed by the international organizations.

4-5 evaluations / site

Each site has been evaluated by 4 -5 experts with a global representation

714 evaluations have been completed

All the evaluations have been double checked by the IUGS team to ensure a well balanced process.



EVALUATION AND SCORING

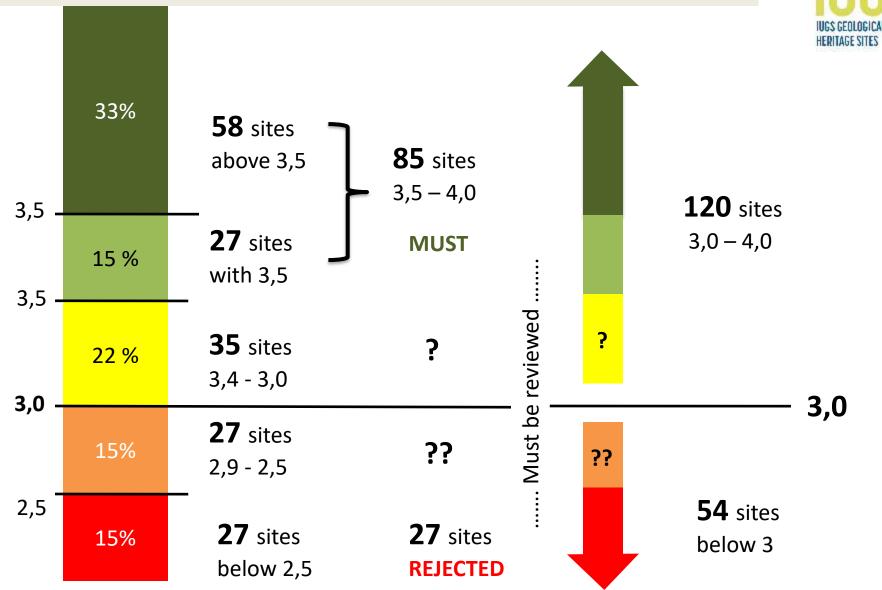


The evaluation is based on the expert's experience. It is simple and intuitive. :

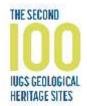
- The site **clearly fulfils the definition**, it is a global reference of the highest scientific value and should be selected for the Second 100 for **its exemplary / iconic value** for geological sciences.
- The **site clearly fulfils the definition**, it is a global reference of the highest scientific value and could be the selected for the Second 100.
- 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.
- The sites **does not fulfill the definition**. The site has not international value, but its geological elements or processes are not extraordinary and **can not be considered a global reference** for geological sciences.

SCORING DISTRIBUTION after evaluation









The final selection has been made by the IUGS Selection Committee which discussed the analysis and proposal of the IUGS Advisory Group.

The final selection is based on:

1. Scientific assessment / final score.

This is most important. Only sites scored above 3 can be selected

2. The quality of the proposal

in terms of writing and images provided.

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.



FINAL ACCEPTANCE SELECTION COMMITTEE & IUGS EC. Feb.24





SELECTION COMMITTEE'S STATEMENT FOR FINAL APPROVAL OF "THE SECOND 100 IUGS GEOLOGICAL HERITAGE SITES"

The Selection Committee for the IUGS Geological Heritage Sites program was constituted in March 2023 by the IUGS International Commission on Geoheritage.

The Selection Committee is formed by one representative from each of the 17 international organizations that participate in the program representing the major disciplines of geological sciences.

The main goal of this committee is 1) to share a common strategy for the development of the program, 2) to drive the active participation of all these organizations and finally 3) to approved the final list of sites to be designated.



































On February 6th the selection committee met and accepted the list of The Second 100.

On February 21 the IUGS Executive committee ratified unanimously the list of The Second 100"





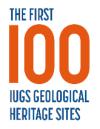
FINAL SELECTION



	THE SECOND 100	THE SECOND IUGS GEOLOGICAL HERITAGE SITES	Average final value 3,67
0 -	11 SITES THE THIRD 100	ACCEPTED DIRECTLY FOR THE THIRD 100	3,23
	26 SITES POSTPONED	USUALLY FINAL SCORING 2,5 - 3. THEY CANNOT BE ACCEPTED NOW, BUT WE SEE POTENTIAL IF THE PROPOSAL IS IMPROVED FOLLOWING THE COMMENTS OF THE EVALUATORS	2,56
	33 SITES REJECTED	LOWER SCORINGS, USUALLY BELOW 2,5. WE BELIEVE THEY DO NOT FULFILL THE DEFINITION FOR AN IUGS GEOLOGICAL HERITAGE SITES	2,22

3,0

TYPOLOGICAL DISTRIBUTION





1. History o	f Geo.
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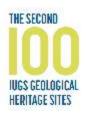
- 2. Strati. & Sed.
- 3. Paleontology
- 4. Igneous & Met.
- 5. Volcanology.
- 6. Tectonics.
- 7. Mineralogy.
- 8. Geomorphology.
- 9. Impacts

11 %	
19 %	
17 %	
8 %	
17 %	
4 %	3 %
20 %	1 %
	1 /0

10 %
15 %
13 %
7 %
10 %
13 %
6 %
22 %
4 %

GEOGRAPHIC DISTRIBUTION

53 COUNTRIES



CONTINENT-WORLD REGION / COUNTRY	NUMBER OF SITES	CONTINENT-WORLD REGION / COUNTRY	NUMBER OF SITES
AFRICA (DIF. COUNTRIES = 8)	9	EUROPE (DIF. COUNTRIES = 18)	40
Algeria and Lybia	1		40
Egypt	1	Belgium	-
Ethiopia	1	Bosnia and Herzegovina	
Ghana	1	Cyprus	.1
Namibia	2	Finland	1
South Africa	2	France	
Tanzania	1	Germany	7
AMERICA (DIF. COUNTRIES = 12)	29	Greece	1
Argentina	1	Hungary	1
Bolivia	1	Iceland	2
Brazil	2	Ireland	1
Canada	4	Italy	-
Chile	1		
Colombia	2	Norway	4
Jamaica	1	Portugal	
Mexico	1	Slovenia	
Nicaragua	1	Spain	
Peru	2	Sweden	1
United States of America	11	Switzerland	1
United States of America and Canada	1	United Kingdom	-
Venezuela	1	Office Kingdom	
ASIA-PACIFIC (DIF. COUNTRIES = 8)	16	MIDDLE-EAST (DIF. COUNTRIES = 7)	
Australia	2	Afghanistan	1
China	3	Iran	
India	1	Israel and Jordan	
Japan	2		
New Zealand	5	Oman	
Carath Vanaa	240	Saudi Arabia	

THE FIRST THE SECOND **GEOGRAPHIC DISTRIBUTION 85 COUNTRIES** IUGS GEOLOGICAL Heritage sites IUGS GEOLOGICAL Heritage sites

OFFICIAL ANNOUNCEMENT AT THE 37TH IGC – BUSAN. 27 AUGUST









MEDIA GLOBAL IMPACT - VISIBILITY



three Chinese sites listed as IUGS geological heritage

By Global Times Published: Sep 03, 2024 09:36 PM

Photo: Screenshot from CCTV



A key Scottish site for understanding rapid climate change gains status as Geological Heritage Site

A team of academics, including Royal Holloway, have successfully petitioned for a special geological area in the Highlands of Scotland to gain acknowledgment from The International Union of Geological Sciences (IUGS) Geological Heritage Sites.

Date 28 August 2024



WE GOT IT!

HUNDREDS OF MEDIA AND SOCIAL MEDIA PUBLICATIONS

HELP US COLLECTING ALL MEDIA IMPACTS





www.iugs-geoheritage.org

+ 70.000 visitors

190 nations

120.000 VISITS

A GLOBAL REFERENCE

FOLLOW US & SHARE!

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

www.iugs-geoheritage.org





"The Second 100 IUGS Geological Heritage Sites" book (2024) is the continuation of the spectacular collection of sites listed in the "The First 100" (2022). More than 700 experts and authors from 80 different nations have participated in this unique endeavor that showcases some of the most extraordinary geological sites of the world. Don't miss the opportunity to get the full collection. The number of available copies is limited. Place your order here.

Buy your books ⊕

FREE DOWNLOAD!



BETTER YET, BUY COPIES FOR YOURSELF AND AS
A GIFT FOR FRIENDS.

SHARE THIS UNIQUE COLLECTION OF GEOLOGICAL WANDERS





IUGS geological Heritage Sites are 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.



WHAT IS NEXT?



TIME TO ENJOY, TIME TO SHARE AND TIME TO THINK ABOUT...

THE THIRD

IUGS GEOLOGICAL HERITAGE SITES

APPLICATION AND EVALUATION PROCCESS IN 2025 ANNOUCEMENT 2026

WE WILL CONTACT YOU AGAIN IN SPRING 2025

APPLICATIONS WILL BE RECEIVED THROUGH

50% AFFILIATED INTERNATIONAL ORGANIZATIONS

50% NATIONAL REPRESENTATIVES

