

INTERNATIONAL GEOSCIENCE AND GEOPARKS PROGRAMME

Annual Report of IGCP for 2015 and Looking Forward in 2016



United Nations
Educational, Scientific and
Cultural Organization

Patrick J Mc Keever

INTERNATIONAL GEOSCIENCE PROGRAMME

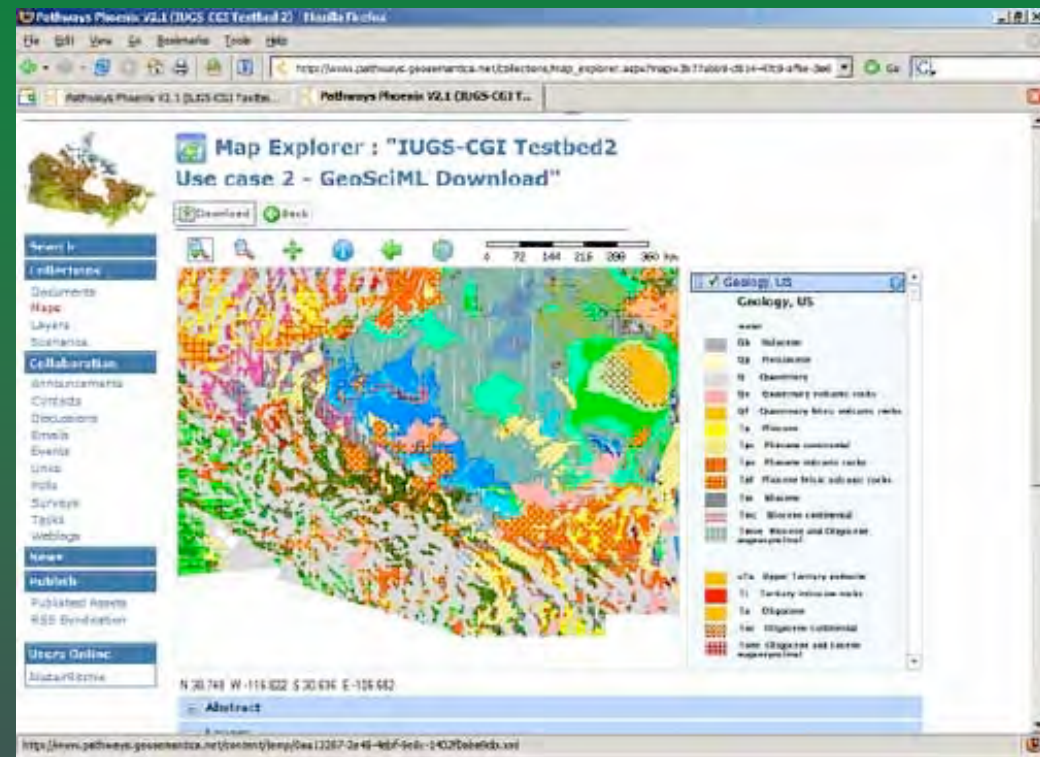
IGCP is now entering its 45th year

Initially started as a programme promoting the correlation of geology across the world in the wake of the plate tectonics revolution.

IGCP promotes collaborative projects with a special emphasis on the benefit to society, capacity-building, and the advancement and sharing of knowledge.

While in the early years IGCP provided an important platform for cooperation between scientists from the former western and eastern blocs, today its emphasis is on N-S cooperation.

IGCP operates by providing small “seed funding” grants, typically between \$5,000 - \$10,000 p.a. across 5 years, donated by UNESCO, IUGS and extra-budgetary sources.



OneGeology: IGCP 624

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2015 Summary

25 Projects in total:

- 20 Projects received financial support from IUGS and UNESCO
- 4 projects were on extended terms.
- 1 project did not receive support as they failed to submit their annual report

2015 Finances:

- 17,000 USD from UNESCO for meeting
- 75,500 USD from UNESCO for projects
- 20,000 USD from China
- 60,000 USD from IUGS

The average project support was almost 7,000 USD.

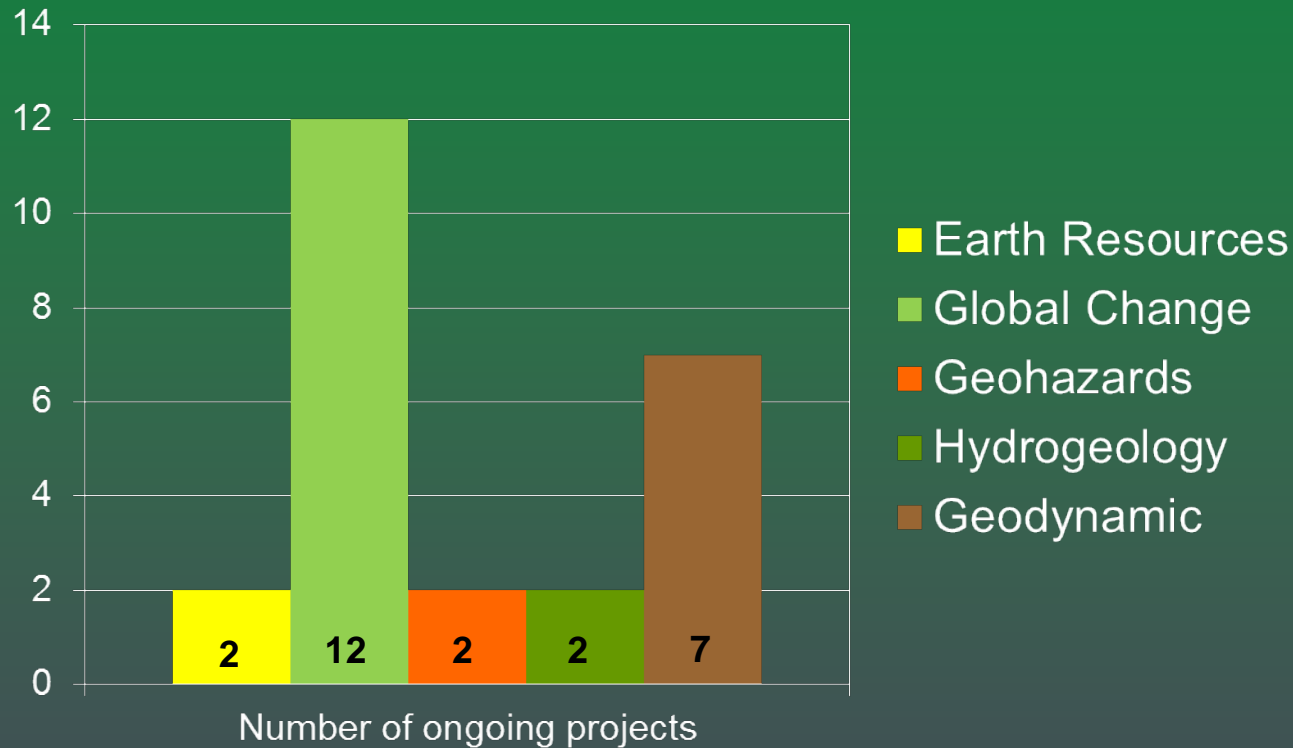


Toya – Usu UNESCO Global Geopark, Japan

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2015 Summary

25 projects: 5 themes



Number of new project proposals 2016:

2 3 0 2 0

INTERNATIONAL GEOSCIENCE PROGRAMME 2015 Summary

25 projects: 161 project leaders (av 6.4/project): 52 different countries

Number of projects:

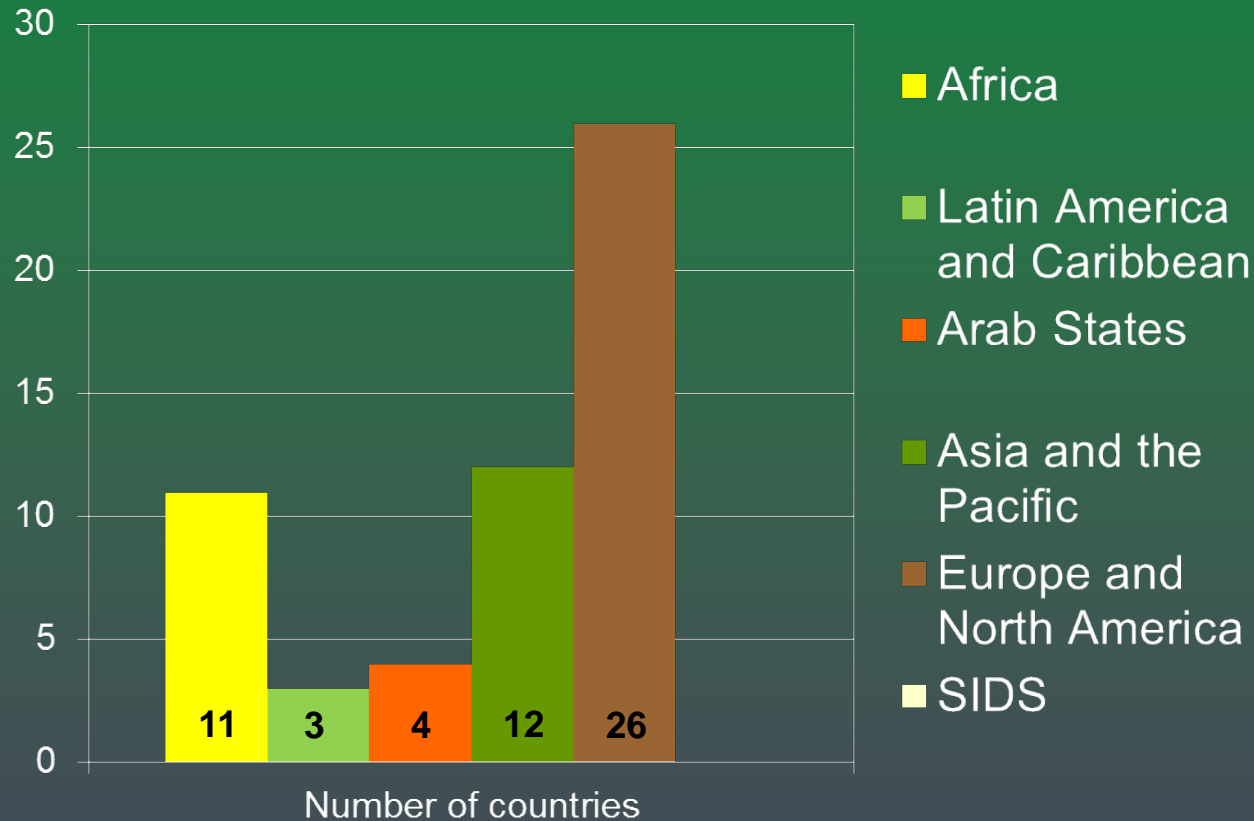
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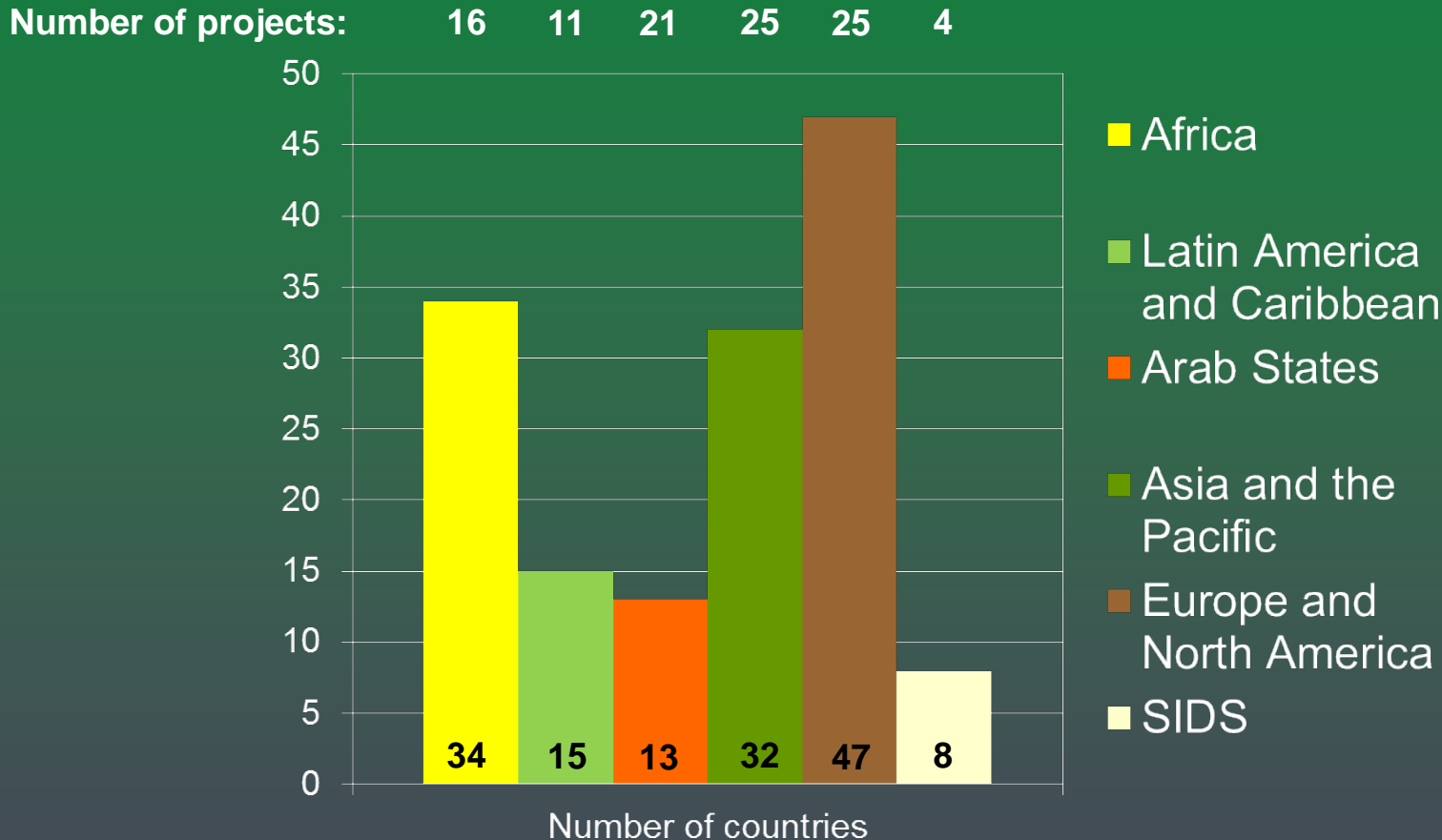
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2015 Summary

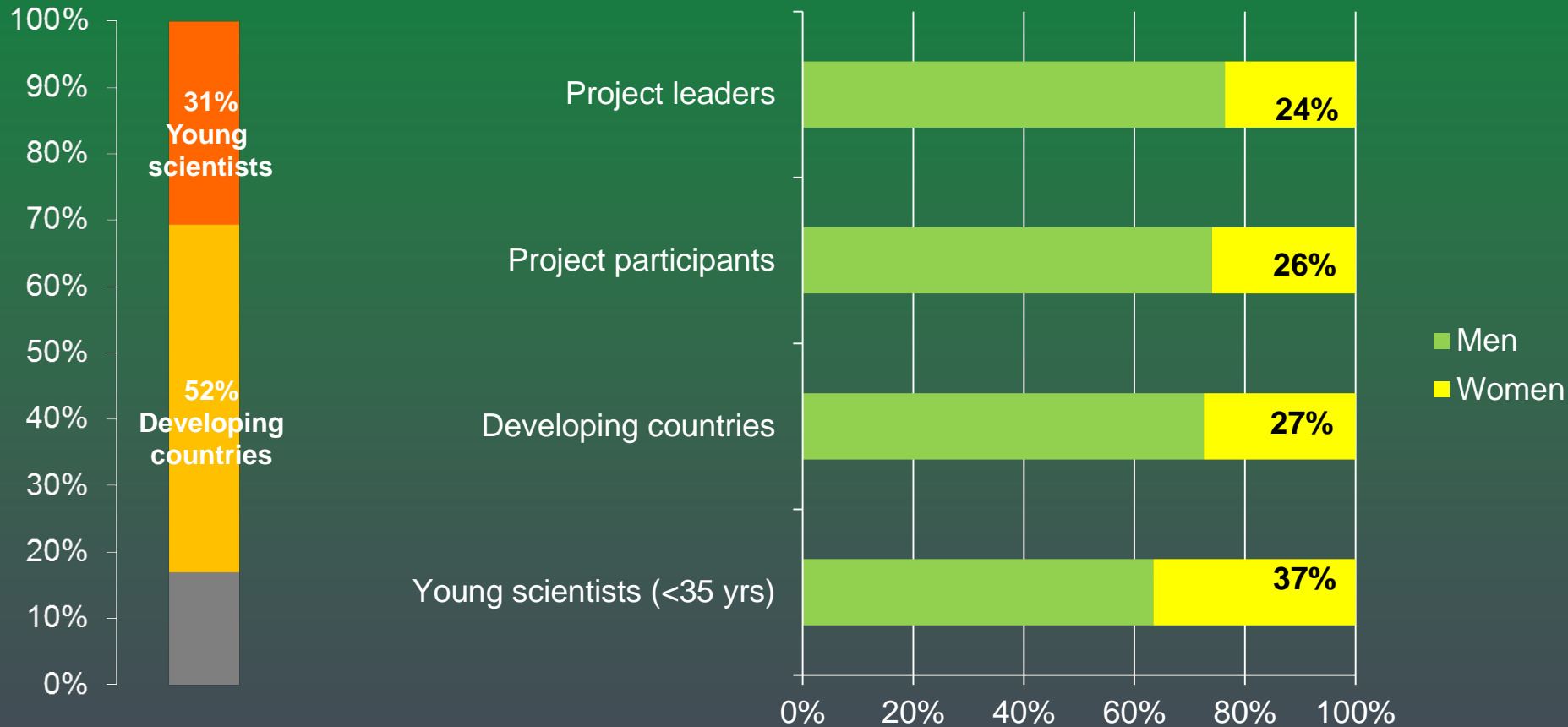
25 projects: 2794 project participants (av 147/project): 133 different countries



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2015 Summary

25 projects: 2794 project participants (av 147/project): 133 different countries



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2016 Outlook

26 Projects in total:

- 20 Projects will receive financial support from IUGS and UNESCO
- 6 projects will be on extended terms.
- 1 project did not receive support as they failed to submit their annual report

2016 Finances:

- 15,142 USD from UNESCO for meeting
- 55,000 USD from UNESCO for projects
- 20,000 USD from China
- 60,000 USD from IUGS

Average Project level of funding: 6550 USD



Cesky Raj UNESCO Global Geopark, Czech Republic

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35th IGC



Welcome to the

35TH INTERNATIONAL GEOLOGICAL CONGRESS

27 AUGUST - 4 SEPTEMBER 2016 | CAPE TOWN, SOUTH AFRICA

resourcing future generations



One of the most important activities of IUGS
One of most important geological conferences worldwide
12 of the 25 projects will have a special session

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Project highlights

IGCP 643 - Water resources in Wet Tropics of West-Central Africa (3WCA)

(IGCP theme: Hydrogeology)

Project leaders from Côte d'Ivoire, Cameroun, Benin and France.

Project focusses on water resources and the water cycle under climatic and antropogenic stress in West-Central Africa

In 2015: Training Workshop in Côte d'Ivoire

- 5 instructors from Côte d'Ivoire, Benin and France
- 20 participants (from Côte d'Ivoire, Benin, Niger and Cameroon)
 - 18 university students
 - 2 employees from the National Office of Drinking Water and the Direction of Management and Protection of Water Resources of Côte d'Ivoire



This project is part of the FRIEND-WATER programme (Transversal program of IHP at UNESCO)

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Project highlights

Project 646 - Dynamic Interaction in Tropical Africa

(IGCP theme: Geodynamics)

Project leaders Cameroun,
Nigeria, Ghana and Germany.

Project aims to better understand geological faults, fault activity and landscape evolution of the northern border of the “Archaean Congo Craton” located in tropical Africa

In 2015: Intense fieldwork and field sampling in the Lomié-Yokadouma area between Cameroon and the Central Africa Republic

Both MSc students and PhD students from Cameroon, Nigeria, Central Africa Republic and Ghana



INTERNATIONAL GEOSCIENCE PROGRAMME 2015 Audit

2014 – 2015 External Audit of all of the governing bodies of all of UNESCO's programmes, conventions etc

For IGCP, Secretary and Chairperson were invited to input – separately and independently!

Final report was debated at the 38th General Conference of UNESCO in November 2015.

For IGCP, there were two recommendations:

- to formalise the statues and link with IUGS
- improve the IGCP pages on UNESCO website

Both are now done.



Vulkaneifel UNESCO Global Geopark, Germany

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New Statutes & Operational Guidelines

In November 2015, UNESCO - by acclamation – adopted the statutes and guidelines of the new International Geoscience and Geoparks Programme.

As well as establishing the new label of UNESCO Global Geoparks it also formalised the creation of new statutes for IGCP and the creation of new governing bodies for IGCP.

IGCP Bureau

IGCP Council

Scientific Board

Secretariat

New Operational Guidelines



*Naturtejo UNESCO Global Geopark,
Portugal*

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Sexual harassment in Science

A Nobel Price Winner said the following words during a conference in 2015:

*“Let me tell you about my trouble with girls ...
three things happen when they are in the lab ...
You fall in love with them,
they fall in love with you
and when you criticise them, they cry.”*

**Sexual harassment is a problem in science,
yet it is not just a science problem.**

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Sexual harassment in Earth Science

Sexual harassment in general:

12% of female Earth Scientists vs. **1%** of male Earth Scientists experienced sexual harassment in the last two years

51% of female Earth Scientists vs. **6%** of male Earth Scientists experienced sexual harassment at some stage during their career.

Very few incidents are reported with individuals not knowing where to turn for help, are actively discouraged by superiors in seeking help and there is a fear of repercussions.



Lesvos Island UNESCO Global Geopark, Greece

(Study from a survey by AGU and is on their website, statistics are based on the responses from 1112 Earth Scientists, Kogan & Laursen 2011; Archie & Larsen 2013)

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Sexual harassment in Earth Science

Sexual harassment during fieldwork:

71% of female respondents and **41%** of male respondents reported receiving inappropriate comments.

26% of female respondents and **6%** of male respondents reported experiencing actual sexual assaults during fieldwork.

The perpetrators were mostly superiors

(responses of 666 field scientists across 23 different scientific disciplines, including Earth Science)

(Clancy et al. 2014)



Marble Arch Caves UNESCO Global Geopark, Ireland

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American Geophysical Union

Steps to Building a Zero-Tolerance Culture for Sexual Harassment

- Codify a zero-tolerance culture
- Enforce the code of ethics
- Train personnel on best practices to respond to instances of harassment
- Provide access to legal advice
- Conduct research on the extent of harassment in the geosciences



IGGP plans to draft a code of conduct or sexual harassment policy as an example for Earth Science departments, research institutions, ...

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