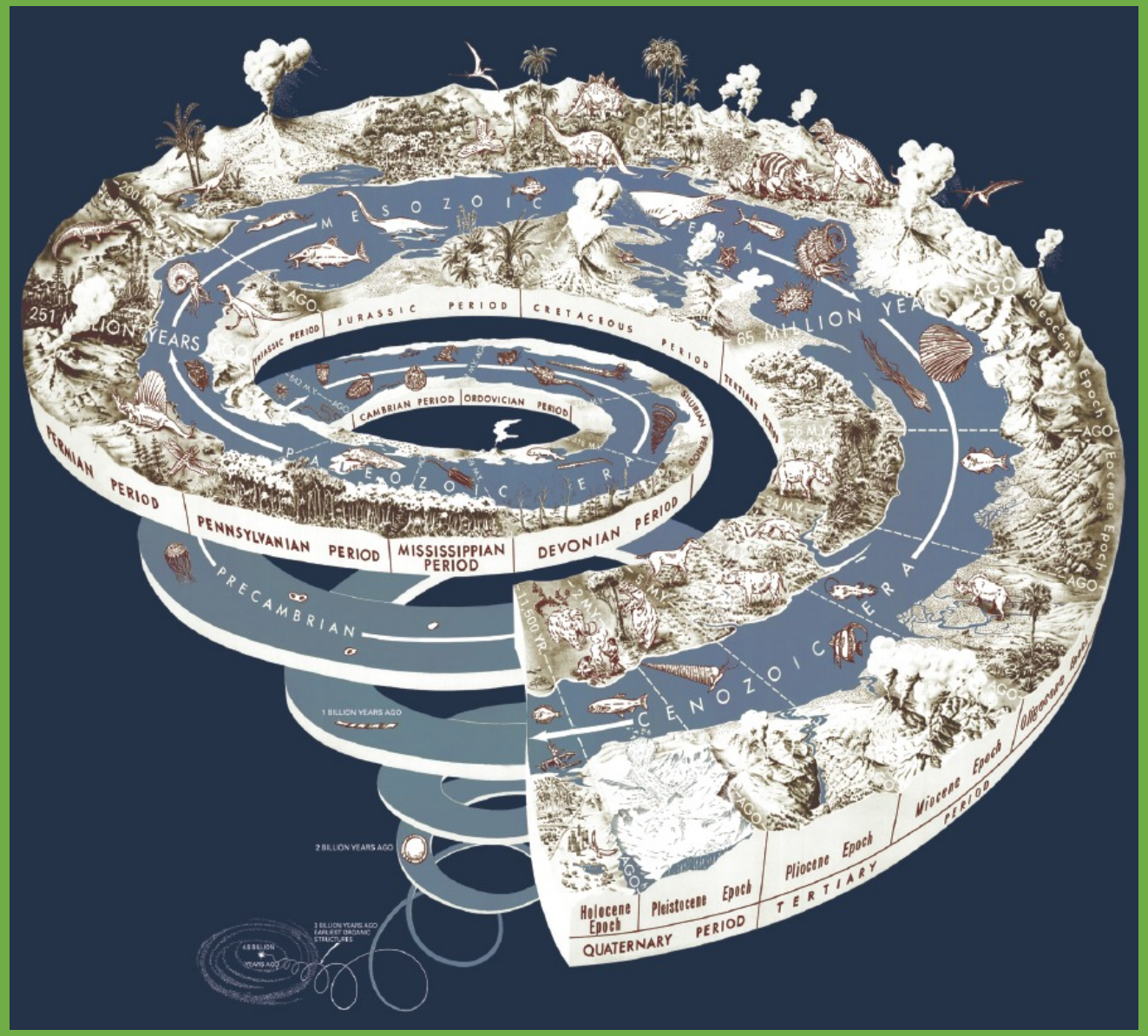
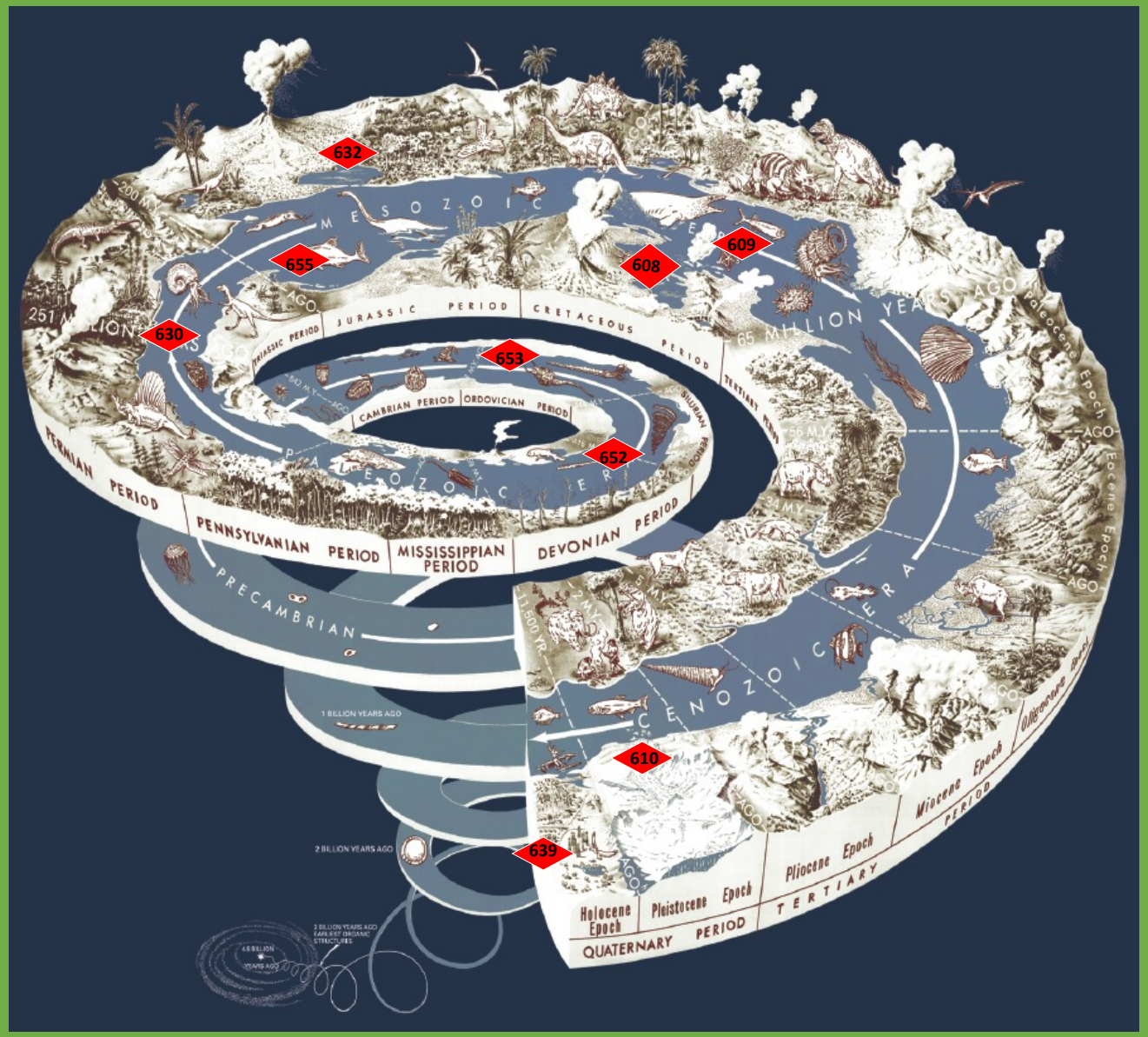


IGCP Global Change

Our projects are focused in the inter-relationship between global change and life.

We work in different events throughout geological time recorded all over the world



Ongoing Global Change Projects

IGCP 639 Sea Level Changes from Minutes to Millennia

IGCP 610 From the Caspian to Mediterranean: Environmental Change and Human Response during the Quaternary

IGCP 608 Asia-Pacific Cretaceous Ecosystems

IGCP 609 Cretaceous Sea-Level Changes

IGCP 632 Continental Crises of the Jurassic

IGCP 655 Toarcian Oceanic Anoxic Event: Impact on marine carbon cycle and ecosystems

IGCP 630 Permian-Triassic climatic and environmental extremes

IGCP 652 Reading geologic time in Paleozoic sedimentary rocks

IGCP 653 The onset of the Great Ordovician Biodiversification Event

Our projects cover a good part of the geological record from the beginning of life on the planet to our days

IGCP Global Change

IGCP Global Change: Evidence from the Geologic Record

Basically all our projects are based on the evidences registered in sedimentary sequences of different ages. Sedimentary sequences contain the record of global change over periods ranging up to billions of years

IGCP 639 Sea Level Changes from Minutes to Millennia

- **The project published during last year 50 papers including in leading journals, such as Nature, Geophysical Researh Letters, Quaternary Science Reviews, among others.**
- ***Members of the projects ran a residential program for high school students (ages 16-18) to teach them about sea-level rise and climate change*; a short-course on reconstructing paleoshorelines; a six-day field course `Holocene sea-level changes and Stone Age settlements in western Estonian archipelago`; a two day workshop in Hong Kong on reconstructing relative sea level including coastal hazards; among others activities.**
- **At the first annual meeting in Muscat, Oman, they ran a one day workshop on techniques, successes, and challenges relevant to coastal hazards research. *This was attended by over 50 participants including 14 female Omani.***
- **They reached a great number of *followers across social media platforms*.**

CONCLUSIONS

- ***The information obtained by all our projects is so important to estimate the possible effects on the environment and biota associated with the present climate change in the short, medium and long term***

All our projects transfer annually the information that is obtained NOT only in prestigious scientific journals.

The information is also available to all interested scientists through the web pages of each project, which are permanently updated.

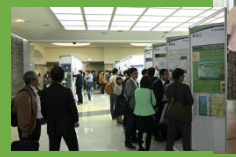
On the other hand, the projects disseminate the information to the general public through different social media platforms, such as facebook, twitter, radio and Television interviews, videos on youtube, among others.

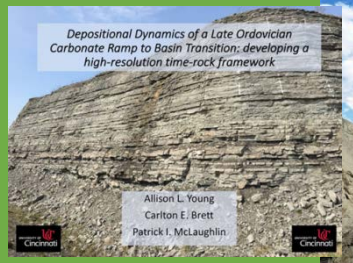
As examples
http://www.igcp653.org/ https://twitter.com/VM_Principal and www.facebook.com/igcp653/
Videos in youtube such as https://youtu.be/iBc9SK2_X3U(Climatic cooling during the Ordovician caused explosion of marine diversity)
http://www.igcp632.org/index.php/news
https://twitter.com/igcpsealevel

- **All the projects organize meetings and field trips. This activities facilitates the training of young scientists from developing countries**

Second annual meeting, China IGCP 653

IGCP 632





IGCP 652

India Meeting 2017

Japan-Mongolia Joint Survey 2017

IGCP Project 639 - Sea Level Change from Minutes to Millennia

First Meeting Announcement
November 9th-14th 2016
German University of Technology in Oman
Muscat, Oman
Project Leaders: Simon Engelhart, Goesta Hoffmann, Fengling Yu, Alar Rosentau

This meeting will cover all IGCP related science (sea level, earthquakes, coastal inundation)



Meeting Schedule

Wednesday November 9th - Coastal storm and tsunami deposit workshop
Thursday November 10th - Oral and poster presentations. Welcome reception
Friday November 11th - Oral and poster presentations
Saturday November 12th-Monday November 14th - Field trips

The 3-day field trip will encompass sites that span the breadth of project 639 science topics including high-energy event deposits (both coastal storm and tsunami), fine-grained and coarse clastic deposits, and geoarchaeology in the context of coastal settlement and sea-level changes

If there is enough interest, an additional 7 day field trip will be available after the conference to sites of general geological interest in Oman

TRAVEL SUPPORT WILL BE AVAILABLE. FURTHER DETAILS IN SECOND ANNOUNCEMENT

UNESCO
United Nations Educational, Scientific and Cultural Organization

IUGS UNESCO

IUGS