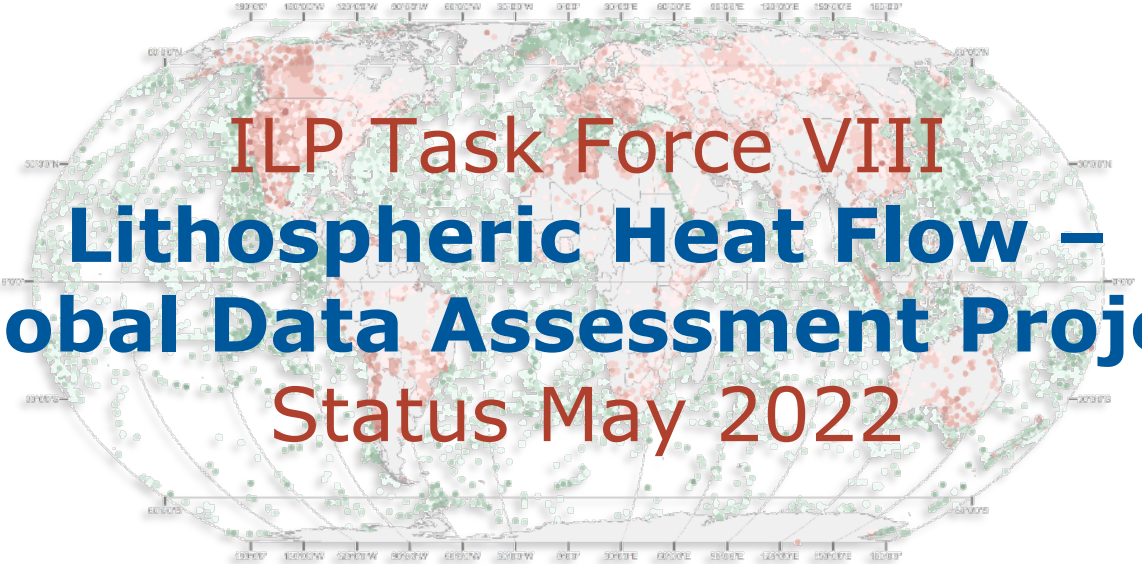


ILP Task Force VIII
Lithospheric Heat Flow – Global Data Assessment Project
Status May 2022

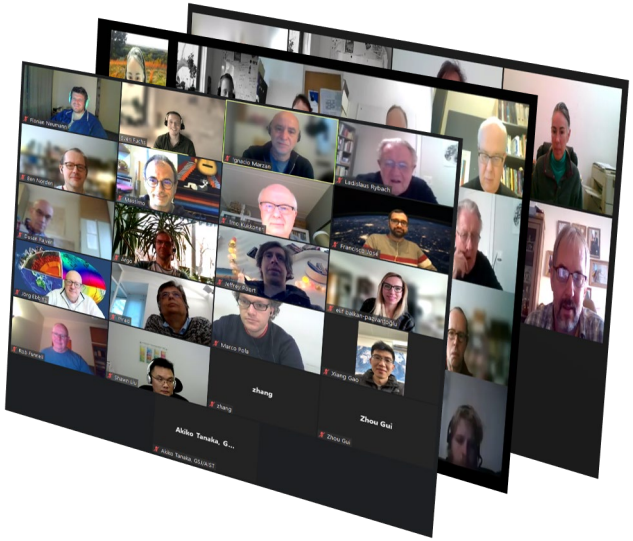
Sven Fuchs | Massimo Verdoya | Raquel Negrete-Aranda | Shaowen Liu | Robert Harris | Graeme Beardsmore

- The ILP TF VIII guides and supervises the **Global Heat Flow Data Assessment Project.** The project is designed to provide a quality-controlled, authenticated global database of heat flow values and other thermal data. This project supports the International Heat Flow Commission (IHFC).
- Project was kicked-off with 65 volunteering collaborators in May 2021 (now: 90 scientists from 5 continents)

Highlights

Online workshop series on heat flow quality

- The TF is co-organizing an online series of monthly workshops to develop a quality scheme for the new global heat flow database.
- Status: 5 workshops with 35 individual participants so far
- One marine workshop open
- Final workshop in June 2022



YouTube Thermal Geophysics

Highlights

22.02.2022

UTC		
0 am - 2 am	Graeme Beardsmore (AU)
2 am - 4 am	Akiko Tanaka (JP)
4 am - 6 am	Shaowen Liu (CN)
7 am - 9 am	Ben Norden (GER)
9 am - 11 am	Sven Fuchs (GER)
11 am - 1 pm	Gianluca Gola (IT)
1 pm - 3 pm	Jeffrey Poort (FR)
3 pm - 5 pm	Massimo Verdoya (IT)
5 pm - 7 pm	Florian Neumann (MX)
7 pm - 9 pm	Robert Harris (USA)
9 pm - 11 pm	Raquel Negrete-Aranda (MX)

Learn about the new database structure
Get introduced into the data assessment work
Deliver your contribution...

powered by International Heat Flow Commission (IHFC)
TF8 International Lithosphere Program (ILP)

24hrs Global Heat Flow Day

- The 24^{hrs} Global Heat Flow Day is a one-day outreach initiative by ILP TF and IHFC to teach/support the global heat flow community on how to work with the new database structure and how to transform past and newly acquired heat flow data into the new structure
- The first 24^{hrs} Global Heat Flow Day was held on 22/02/2022 and visited by 25 scientists

Highlights

Important publications of ILP Task Force members

- Sven Fuchs et al. **A new database structure for the IHFC Global Heat Flow Database**, https://doi.org/10.31214/ijthfa.v4i1.62
- Raquel Negrete-Aranda et al. **Transport of Heat by Hydrothermal Circulation in a Young Rift Setting: Observations From the Auka and JaichMaa Ja'ag'Vent Field in the Pescadero Basin, Southern Gulf of California** https://doi.org/10.1029/2021JB022300
- Sven Fuchs et al. **The Global Heat Flow Database: Release 2021**. https://doi.org/10.5880/fidgeo.2021.014
- Massimo Verdoya, et al. **Unravelling the terrestrial heat flow of a young orogen: The example of the northern Apennines**. https://doi.org/10.1016/j.geothermics.2020.101993
- Zhu Wenjing, Liu Shaowen, Huang Shaopeng. 2022. **Heat flow in the Asian continent and surrounding areas**. http://ijthfa.com/index.php/journal/article/view/77

Presence at international meetings/workshops

- E.g., EGU General Assembly 2021, IAGA-IAPSEI Joint Scientific Assembly 2021, Japan Geoscience Union Meeting

Upcoming

ČERMÁK CONFERENCE SERIES Čermák7

Cermak7 Meeting – 20–22/06/2022

- Cermak7 will be the 7th meeting of the Cermak-conference series, which is co-organized by the ILP TF VIII. The meeting of two days conference and one day workshop will focus on heat-flow relevant research.
- Workshop on heat flow quality scheme
- In person in Potsdam, Germany
- http://cermak7.ihfc-iugg.org