International Heat Flow Commission
of the IASPEI/IUGG

IHFC ACTIVITY REPORT FOR 1995-1999

IHFC sponsored or co-sponsored the following meetings

principle convener Vladimir Cermak
68 participants from 23 countries, 107 oral and poster presentations in 7 topical sections
22 papers published as a special issue of Tectonophysics, 291 Nos.1-4 (1998), pp.1-298 (guest editor V.Cermak)
IASPEI support USD 3000.

As a part of the 30th International Geological Congress, August 4-14, 1996, Beijing, China
D4-symposium "Terrestrial Heat Flow, Hot Spots, Mantle Plumes, and Thermal Structure of the Lithosphere"
(conveneres Shen Xian-jie and Ladislaus Rybach)
10 scientific communications presented
IASPEI support USD 3000.

As a part of the 29th IASPEI General Assembly, August 18-28, 1997, Thessaloniki, Greece
(a) S9-symposium "Heat Flow, Seismic Structure and Seismicity in Active Tectonic Regions"
(conveneres L.Rybach, S.Smithson and M.Fytikas)
24 scheduled oral communications and 12 posters
(b) W20-workshop "Thermal Regimes in the Continental and Oceanic Lithosphere"
(conveneres C.Clauser, V.Cermak and M.Yamano)
16 oral presentations and 13 posters
14 papers published as a special issue of Tectonophysics, 306, Nos.3-4 (1999), pp.259-470 (guest editors C.Clauser, T.Lewis and L.Rybach)

192nd WE-Heraus Seminar "Microtemperature Signals of the Earth Crust"
March 25-27, 1998, Bad Honnef, Germany
(convener Guenter Buntebarth)
20 oral presentations in 5 topical sessions

International Conference "The Earth's Thermal Field and Related Research Methods"
May 19-21, 1998, Moscow, Russia
(principle convener Y.Popov)
25 foreign and about 70 Russian participants, 123 submitted abstracts
Special Abstract volume prepared by Y.Popov and V.Pimenov (Eds.), 298 pp.

As a part of the 22nd IUGG General Assembly, July 19-30, 1999, Birmingham, UK
The IHFC participated above all in two sessions
(a) ST4-symposium "Earth Structure and Geodynamics - Thermal Studies"
(principal convener B.Kennet)
(b) MC02-symposium "Detection and Attribution of Climate Change"
(conveneres P.Jones and M.C.MacCracken)

CO-OPERATION WITH UNESCO/IGCP

In 1998 the five-year project started under the International Geological Correlation Program of the UNESCO: the IGCP 428 "Climate and Boreholes" which includes a sizeable part of the heat flow community and further extended the activities of the IFHC WG on Reconstruction the Climate Change from the Subsurface Temperature Data.
Principal investigators V.Cermak, H.N.Pollack and C.Clauser
The IGCP 428 co-sponsored in year 1998
(a) Moscow meeting (see above) and (b) the Heat Flow, Stress and Climate symposium - Legacy of A.H.Lachenbruch at the AGU Fall Meeting, December 6-10, 1998, San Francisco, Calif., USA.
22 oral and 35 poster presentations
Proceedings volume as a special issue of the Global Planet.Change journal under preparation (guest editors H.Beltrami and R.N.Harris)
in year 1999
(c) Workshop "Past Climate Change Inferred from the Underground Temperature Field", March 14-17, 1999, Sinaia, Romania
18 scientific communications presented

SELECTED PUBLICATIONS:


C.Clauser, T.Lewis and L.Rybach (Eds.), Thermal Regimes in the Continental and Oceanic Lithosphere, Tectonophysics, 306, Nos.3-4 (1999), pp.259-470