

21st Biennial Conference European Current Research on Fluid Inclusions

ECROFI XXI

9-11 AUGUST 2011

*Fluid and Melt Inclusions Research
in Earth-Sciences*

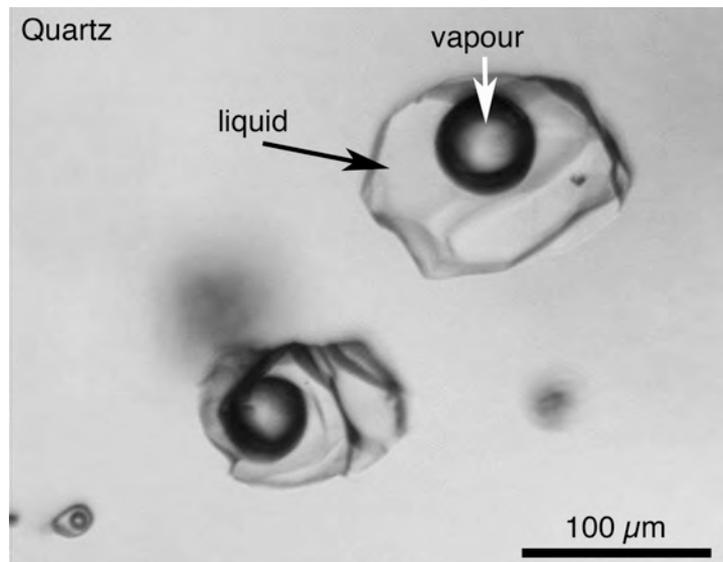
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European Current Research on Fluid Inclusions

ECROFI XXI

Fluid- and melt inclusions in minerals provide unique insight into processes involving geofluids. The 21st **ECROFI** meeting will serve as an international forum to discuss new developments and applications of research in this exciting field.

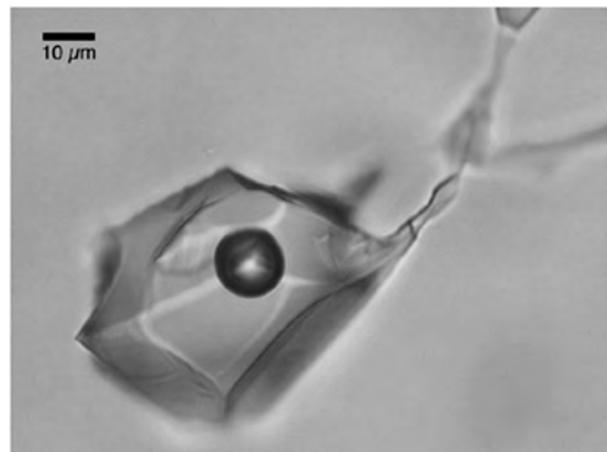
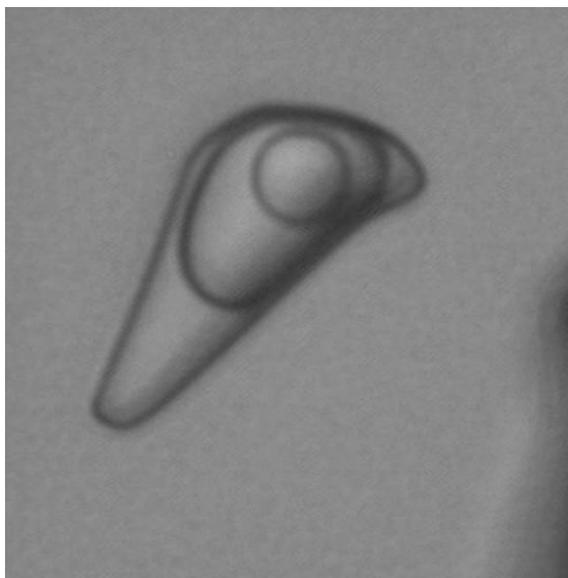


Fluid inclusions in quartz

ECROFI meetings have always attracted a wide range of Earth Scientists investigating the role of fluids and melts within the Earth and planetary bodies. For **ECROFI XXI** we invite scientific presentations on almost anything related to the development and application of research into fluid- and melt inclusions, including the following fields:

- * Advances in analytical techniques
- * Experimental studies
- * Theoretical studies (e.g. fluid phase relations, equations of state)
- * Diagenetic fluids
- * Petroleum fluids
- * Geothermal systems
- * Fluid flow
- * Deep crustal and mantle fluids
- * Ore deposits
- * Melt inclusions and igneous processes
- * Fluids in tectonics
- * Paleoclimate
- * Extraterrestrial fluids
- * Waste disposal
- * Novel fields

Recent **ECROFI** meetings have attracted over 180 participants from universities, government research institutions and commercial companies, including those involved in petroleum exploration, ore exploration and deep-geological disposal of wastes. In addition to bringing the community up to date on new developments in the field, **ECROFI** provides a fairly informal setting for students and young investigators to present their research to a broad audience, to consult with experts relevant to their research projects, and to contact potential employers in person. Most participants come from Western and Eastern Europe, but many scientists from the Americas, Africa, Asia and Australia also regularly attend **ECROFI**. Thus, although the "E" in "**ECROFI**" stands for Europe, the meeting is truly intercontinental. Accordingly, the official language of the meeting is English.



Examples of fluid inclusions in quartz: left) three phase inclusion with CO₂ (vap), CO₂ (liq) and an aqueous solution (10 µm length); right) CH₄ bearing aqueous inclusion.

History of ECROFI

The first meeting of what was later dubbed **ECROFI** (European Current Research on Fluid Inclusions) was held in 1969 at the Natural History Museum of Bern, organized by H. A. Stalder (Bern) and G. Deicha (Paris). Forty-nine scientists took part in that meeting, among them such well known names as R. Clocchiatti, E.J. Gübelin, B. Poty, E. Roedder and J.-C. Touray. The success of this first **ECROFI** meeting, and the rapidly growing international interest in fluid inclusion studies at the beginning of the 1970s, spurred a series of similar meetings in various parts of Europe:

Bern (1969, 2007)
 Durham (1976)
 Utrecht (1981)
 Porto (1987, 2001)
 Warsaw (1993)
 Budapest (2003)
 Leoben (2011)

Milano (1974)
 Nancy (1978, 1997)
 Orleans (1983)
 London (1989)
 Barcelona (1995)
 Siena (2005)

Paris (1976)
 Karlsruhe (1979)
 Göttingen (1985)
 Firenze (1991)
 Potsdam (1999)
 Granada (2009)

Organizing Committee

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Resource Mineralogy*

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Multi-component fluid inclusion in topaz (50 μm length)