

Report

IMA

Working Group on Inclusions in Minerals (WGIM)

Period: 2010-2014

Chairman: Pei Ni

Vice-Chair: Fanus Viljoen

Secretary: Ronald J. Bakker

The Working Group on Inclusions in Minerals was participated in the organization of 21st biennial conference of the European Current Research on Fluid Inclusions (ECROFI XXI, 2011), Leoben (Austria). The ECROFI XXI was held on August 9 - 11, 2011 at the University of Leoben (Montanuniversität) in Austria. The conference was organized by the team of the Fluid Inclusion Laboratory Leoben (FILL), including Ronald J. Bakker, Miriam Baumgartner and Gerald Doppler, at the institute of applied geosciences and geophysics (<http://fluids.unileoben.ac.at>). The ECROFI XXI was attended by about 100 participants from 21 countries (Fig. 1). Europeans made up the largest part of participants (52%), followed by Azians (27%), Americans (15%) and Australians (6%). A total of 50 oral presentations and 41 poster presentations were included in the sessions on theoretical studies on fluid and mineral properties, experimental studies, advances in analytical methods, paleoclimate, groundwater, diagenetic and petroleum fluids, ore deposits, deep crustal and mantle fluids, and melt inclusions and igneous processes. The abstracts of the conference were published in *Berichte der Geologischen Bundesanstalt* (reports of the Geological Survey of Austria), and are available at the website <http://www.geologie.ac.at/>).



Fig. 1. Participants of the ECROFI XXI meeting at the University of Leoben, Austria.

WGIM was involved in the organization of a number workshops and short courses. All courses were organized by Ronald J. Bakker:

1. Fluid inclusion research, University of Leoben (2010, 25 participants; 2011, 16 participants). Participants from Hungary, Spain, Iran, Germany, Austria, Czech Republic, South Africa)
2. Fluid Inclusions: critical review, applications, computer modeling, University of Leoben (2012, 5 participant; 2013, 13 participants; and 2014, 6 participants). Participants from Poland, Germany, Russia, Austria, Spain, Portugal, Switzerland, England).
3. Short course during the ECROFI XXI conference (2011). 20 participants.
4. Fluid inclusions in diagenetic environments, during the 29th IAS meeting of Sedimentology, Schladming (Austria, 2012). 15 participants.

Members of the WGIM presented their research results at the conferences on fluid and melt inclusions:

1. ECROFI XXI (2011), Leoben (Austria)
2. PACROFI XI (2012), Windsor (Canada)
3. Goldschmidt Conference (2012), Montreal (Canada)
4. ACROFI IV (2012), Brisbane (Australia)
5. ECROFI XXII (2013) Antalya (Turkey)
6. ACROFI V (2014) Xi An (China)

The WGIM is organizing a session at the IMA 2014 in Gauteng (South Africa):

Theme: DeepEarth
Session: Fluid in the Earth
Conveners: Pei Ni, Ronald J. Bakker