

IPICS Oldest ice workshop, Monday June 18th, Davos

This one-day meeting of about 50 international experts aims to build on the work done in the workshop that followed the 2016 IPICS OSC in Hobart. It also serves as a meeting to internationalise the European beyond EPICA-Oldest Ice project. Specifically the aims are:

1. Ensuring knowledge and coordination between the different national/regional oldest ice projects, within a shared IPICS framework
 2. Developments in ideas and best practice for survey to identify old ice, dating old ice, approaches to analysis and to disturbed or diffused ice, etc
- (this meeting will not be concerned to any significant degree with logistic coordination, as this requires a different set of people at another venue)

Setting the scene. Chaired by IPICS chairs

08.30 Introduction and welcome. (**IPICS co-chairs (Hubertus Fischer and Tas van Ommen)**)

08.35 Climate of the last 1.5 Ma and the mid-Pleistocene Transition – a quick overview (**Eric Wolff**)

08.50 Conditions for finding oldest ice (update) (**Hubertus Fischer**)

Sharing plans Chair:

09.00 European plans for oldest ice, including geophysics at Little Dome C (**Carlo Barbante, Catherine Ritz, Robert Mulvaney**)

09.30 Australian plans for oldest ice (**Tas van Ommen**)

09.45 Japanese plans/ideas for oldest ice (**Shuji Fujita**)

10.00 Chinese progress at Dome A (**Li Yuansheng**)

10.15 Russian plans/ideas for oldest ice (**Vladimir Lipenkov**)

10.30 Coffee

10.50 Korean plans for oldest ice (**Soon do Hur**)

11.05 US plans/ideas for oldest ice core (**Mary Albert**)

11.20 Blue ice studies (**John Higgins**, to include Ar dating)

11.40 Discussion about these plans and international cooperation

Rapid access drills, progress and potential

12.00 5 minute talks on different systems (**Joel Savarino** or colleagues (France), Jakob Schwander or colleagues (Switzerland), **Robert Mulvaney** (UK), **Jeff Severinghaus** (US))

12.40 Lunch

Geophysics Chair:

13.40 10 minute talks on new radar data and ideas to help identify areas with old ice (**Duncan Young, Prasad Gogineni, Olaf Eisen**) followed by discussion

Dating and disturbance Chair:

14.40 Dating old ice (**Amelle Landais** and **Raimund Muscheler**)

15.00 Progress and potential for 81Kr dating of ice (**Wei Jiang**, USTC Hefei)

15.10 How to date old ice (discussion)

15.30 Tea

15.50 Problems of flow disturbance, diffusion and resolution (**Dorthe Dahl-Jensen, Bernhard Bereiter**)

End by 16.30