

SNOW

Schneekristallbildung in einer künstlichen Wolke zum Einsatz
als Schneeerzeuger

TTL Meeting, TUV
April 07, 2011

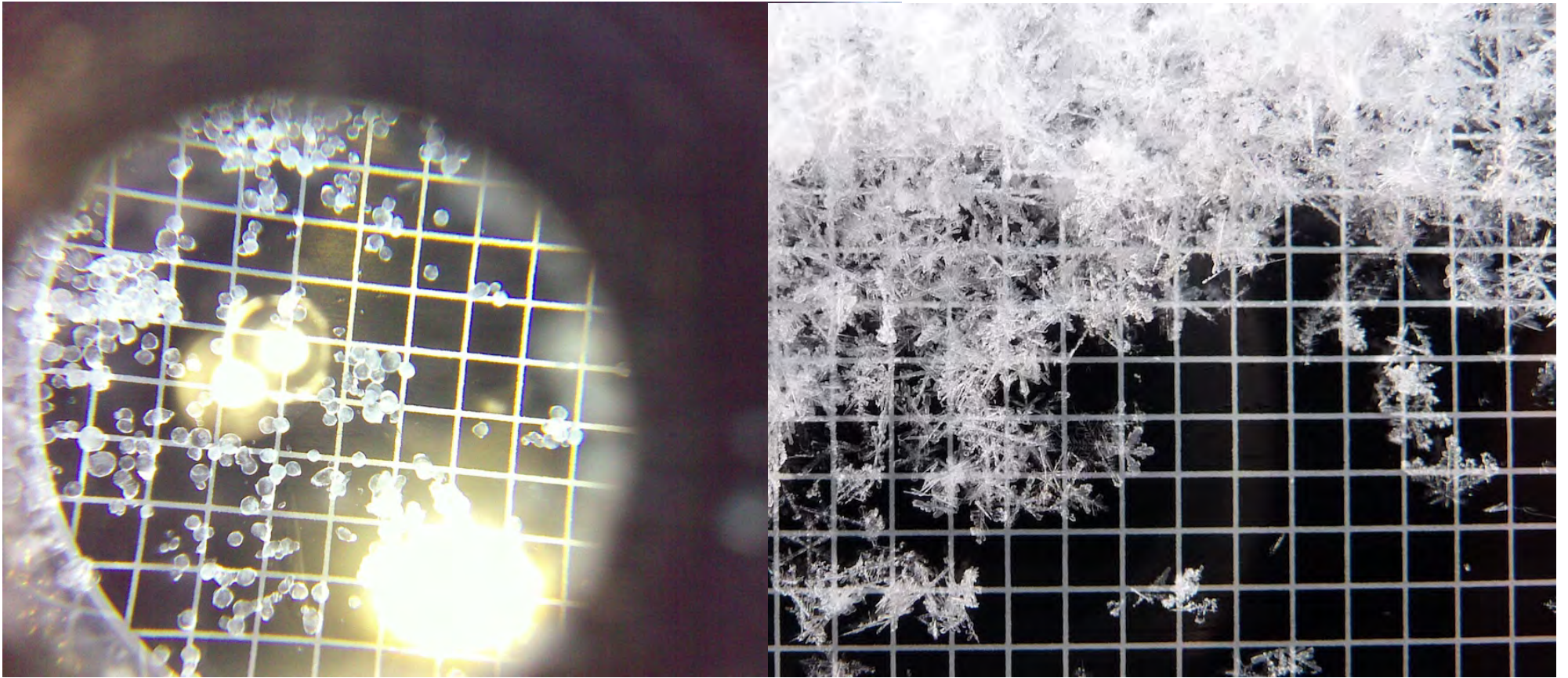


Fred Best

Michael Bacher

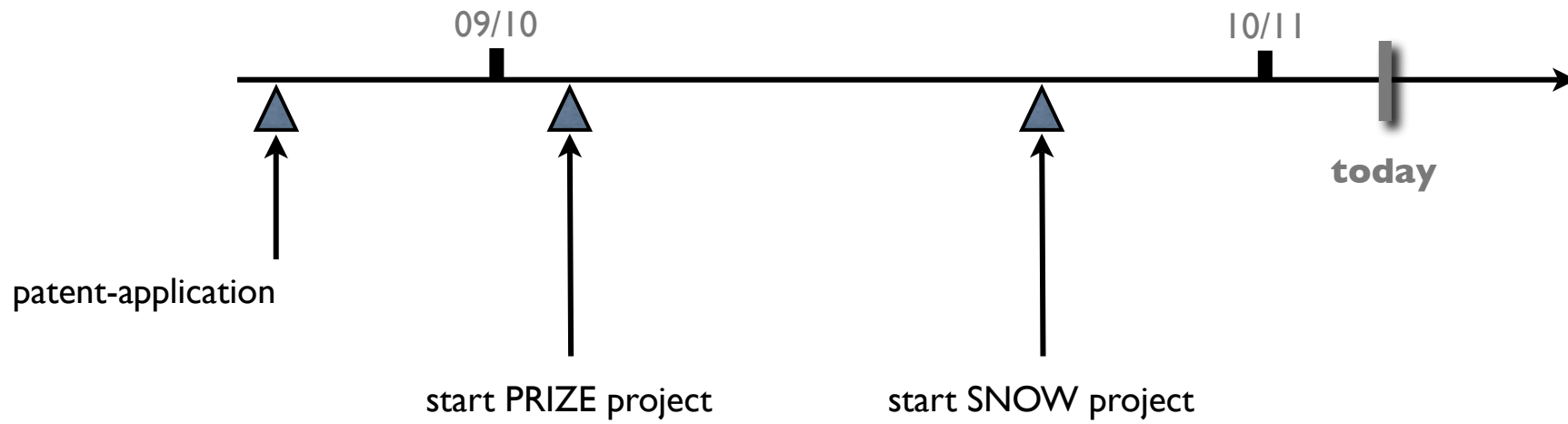
Sergey Sokratov

Meinhard Breiling

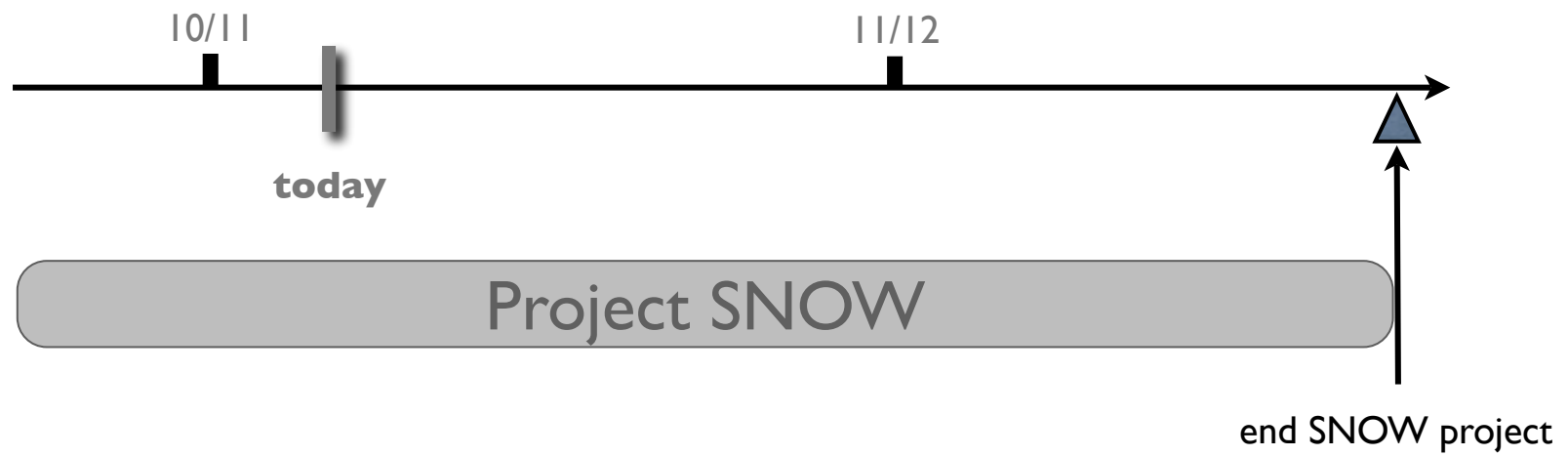


artificial snow - natural dendritic snow

History

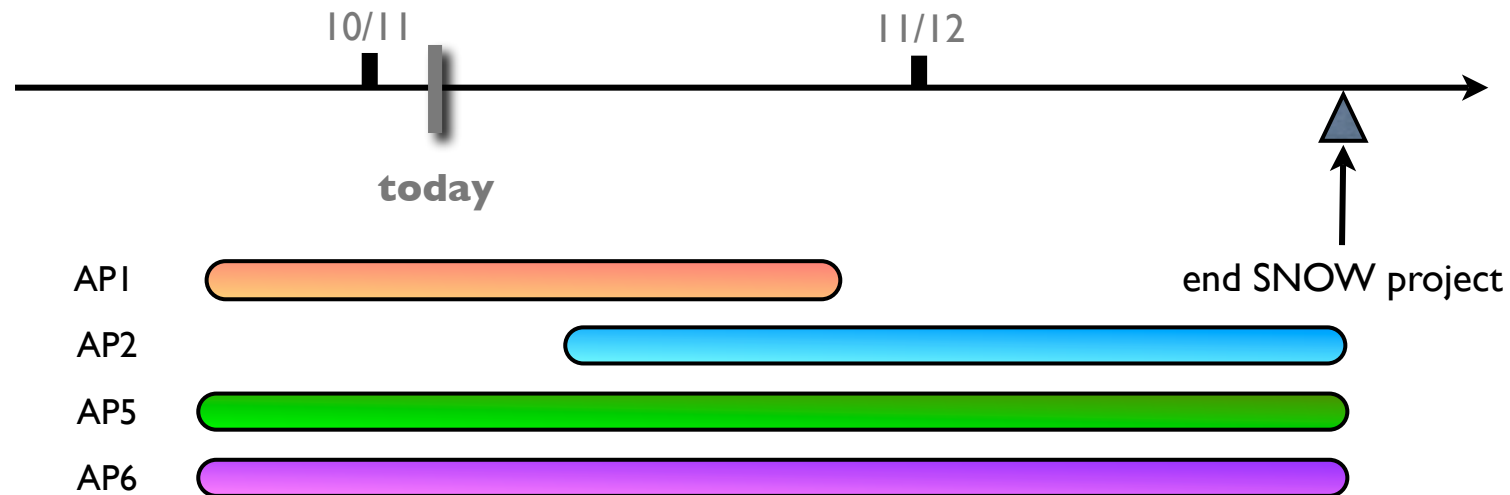


Outlook



SNOW will investigate the **formation of snow crystals** inside a closed chamber where conditions of a **natural cloud** are simulated. The produced snow is similar to natural snow. The new technology represents an **ecologically and more efficient alternative** to conventional technical snow production.

Road-map



Work-packages

01 basic research

- * best conditions for crystal growth inside the chamber
- * mechanisms to control quantity and quality of the snow

Duration: 9 months
(10/10 - 09/11)

02 functional demonstration

- * how to improve the production of snow crystals
- * how to get the snow out of the chamber...

Duration: 17 months
(06/11 - 09/12)

05 dissemination

- * presentation of results
- * questions to be solved: e.g. does ski-resorts support the new technology

Duration: 24 months
(10/10 - 09/12)

06 project management

Duration: 24 months
(10/10 - 09/12)

