

T-MOSAiC Davos Report

Highlights: T-MOSAiC, MOSAiC, Science and Implementation plan discussions, Atmosphere-Sea-Ice-land-people interactions.

The 2nd T-MOSAiC workshop took place in Davos on June 20 during the Polar 2018 Conference. The main goals of the workshop were to develop the Science and Implementation plans as well as to establish the scientific connections between the MOSAiC and T-MOSAiC programs. During the science discussion aspects of the Arctic snow, permafrost and freshwater systems were presented and the importance of these topics to the program were highlighted by the presenters and the audience. In the implementation discussions, existing arctic facilities, projects, programs and transects were identified that could contribute to T-MOSAiC.

A key goal of the workshop was to define the scientific links between the MOSAiC and T-MOSAiC programs. The participation of the chairs of the MOSAiC program, Dr. Markus Rex and Dr. Matthew Shupe resulted in a detailed discussion about the atmosphere-sea-ice-land-people interactions and how both programs will contribute to an improved knowledge of the changing Arctic. These joint discussions culminated in the conceptual diagram below that shows the complementarity and points of intersection between the two programs.

