

# **Extreme Temperature Minimums in Slovenian Alpine dolines**

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Lowest air temperatures in Alpine dolines can fall under  $-40^{\circ}\text{C}$ , record values even under  $-50^{\circ}\text{C}$ , what was confirmed with measurements in some Alpine countries, such as Austria, Germany and Switzerland. In Slovenia, the lowest air temperature,  $-34.5^{\circ}\text{C}$ , was measured at Dinaridic karst field Babno Polje. However, the measurements in period 2004-2006 in several Alpine dolines in Julian Alps confirmed predictions that also in Slovenian Alpine dolines much lower temperatures appear, but they were not measured until recently. In March 2005 and 2006, minimum air temperatures on Komna plateau fell under  $-40^{\circ}\text{C}$  in several dolines and comparison with dolines in other Alpine countries indicate that these dolines in Slovenia are about as cold as most of the others along the Alps.