

# 4DMB Field Transect Across the Eastern and Southern Alps

## 11<sup>th</sup>-16<sup>th</sup> of August 2022

Dear All,

This summer we will again host a 4DMB field transect of the Alps to visit some key geological locations in the Eastern and Southern Alps, and to explore and discuss orogenic processes (Preliminary program below). We will attempt to place the geology and surface processes in the context of some of impressive new seismological results of AlpArray, including the densified station network in Swath D. The field trip will involve a combination of riding and hiking, and will last from the 11<sup>th</sup> to the 16<sup>th</sup> of August, starting and finishing in Salzburg.

The 4DMB project will cover the costs of minibuses, but participants will have to cover accommodation, lunch, and dinner expenses from their 4DMB project accounts (c. 450€/ person).

We look forward to seeing as many of you as possible. Indeed, it will be the final field trip of 4D-MB! To help us plan, we need to know soon how many of you will participate, so if you want to attend, please contact Peter McPhee ([peter.mcphee@fu-berlin.de](mailto:peter.mcphee@fu-berlin.de)) by Friday the 13<sup>th</sup> of May.

Best wishes,

Peter McPhee and Mark Handy

### Preliminary Program

**Day 1:** Meet in Salzburg

**Day 2:** Foreland Basin (Molasse) and Northern Calcareous Alps (Salzburg to Großglockner Pass—Tauern Window)

**Day 3:** Adria-Europe Indentation Tectonics (Großglockner Pass to Maltatal)

**Day 4:** Periadriatic Fault and active Adria-Europe Convergence (Maltatal to Friaul)

**Day 5:** Return to Salzburg

