

#### 4 Pre - Life with geohazard at the contact of the Alps, the Dinarides and the Pannonian Basin

**Excursion Leaders: P. Jamšek Rupnik<sup>1</sup>, J. Reitner<sup>2</sup>, K. Decker<sup>3</sup>, M. Bavec<sup>1</sup>, E. Mencin Gale<sup>1</sup>, J. Jež<sup>1</sup>, N. Zupan Hajna<sup>4</sup>, T. Popit<sup>5</sup>, T. Verbovšek<sup>5</sup>, A. Šmuc<sup>5</sup>, M. Andrič<sup>6</sup>, N. Caf<sup>6</sup>, M. Budić<sup>7</sup>, B. Kordić<sup>7</sup>, I. Kosović<sup>7</sup>, D. Pollak<sup>7</sup>**

<sup>1</sup>Geological Survey of Slovenia; <sup>2</sup>Geologischen Bundesanstalt, Austria; <sup>3</sup>University of Vienna, Department of Geology; <sup>4</sup>ZRC SAZU, Karst Research Institute; <sup>5</sup>University of Ljubljana, Faculty of Natural Sciences and Engineering; <sup>6</sup>ZRC SAZU, Institute of Archaeology; <sup>7</sup>Croatian Geological Survey

Proposed Excursion Dates: July 9<sup>th</sup> – 11<sup>th</sup> (start and end in Ljubljana)

Draft Itinerary: Ljubljana, Slovenia – Western Slovenia – Carinthia, Austria – Central to SE Slovenia – NE Croatia – Ljubljana

Definitive cost per head: 450 €

Accommodation arrangements: Hotel; Guesthouse.

#### **Proposer Contact Details:**

**Petra Jamšek Rupnik**

Institution and Address: Geological Survey of Slovenia, Dimičeva ul. 14, 1000 Ljubljana, Slovenia

Phone: +386 31 263 577    Email: [petra.jamsek@geo-zs.si](mailto:petra.jamsek@geo-zs.si)

#### **Description**

The life at the contact of the Alps, the Dinarides and the Pannonian Basin has been influenced by the geohazard phenomena since the man appeared here (and much earlier). On the other hand, the glaciers, tectonics, earthquakes, flood plains and massive mass wasting events also give this area its appealing looks. The fieldtrip will have stops in western Slovenia (flooding of the karst poljes in Notranjska, recent and fossil slope deposit phenomena in the Vipava Valley, glaciation, active tectonics and mass wasting in the Soča Valley), Carinthia in Austria (mass wasting with special emphasis on rock avalanches and their impact on landscape and society exemplified by a medieval earthquake-triggered case close to Villach), central to SE Slovenia (past and potential future debris flows in the area of the Koroška Bela settlement, environmental changes and earthquakes recorded in Lake Bohinj, Sava and Vodice faults causing earthquake hazard in the Ljubljana Basin, fluvial sediments and tectonics of the Krško Basin) and in NE Croatia (seismotectonics and recent large earthquakes in Zagreb and Petrinja with their environmental effects).



Scarp and deposit of the Dobratsch rock avalanche (1348 AD)