



FOCUS:

What do we know about intermediate-depths processes along the subduction interface? From mechanical coupling in the seismogenic zone... to intermediate depth seismicity, rock lithologies and fluids, rock mechanics and models.

— **Sunday April 17th, 14:30-18:30 ± dinner** (special tasty food from Tyrol) —

Venue: Gasthaus Stafler

5 mns walk from Meidling Hauptstrasse station (line U4)
Hence direct from Karlsplatz, Schwedenplatz, Wien Mitte (and CAT)

Start: 2:30 pm

~6-7 talks + coffee break from 14:30 onward (~14:30-17:30h)
+ 1h of official ZIP business (~17:30-18:30), including beer ;-)

ANTICIPATED TALKS

all talks ~15-20 min (MAX!!!) for seniors
and 10' for fellows in order to have time for discussion/questions

"0". Introduction: what is our understanding of mechanical coupling?

From observations (and models) made across the seismogenic zone:
transients, long-term deformation, segmentation, hazard, EQ triggering,...
Joint presentation(s) by C. Vigny, G. Meneses, E. Klein (ENS group)

1. Overview of the location and moment release of intermediate deep earthquakes from subduction zones across the world: M. Ruscic (ZIP fellow, Univ. CAU Kiel, as part of the work done during her secondment at UPMC)

2. Characteristics of intermediate-depth earthquakes, by Andreas Rietbrock (Univ. Liverpool): waveforms, relocation, clusters, magnitudes, etc

---- coffee break (~15 min)----

3. Integrative research from ZIP fellows (part 1, rocks&fluids): L. Bayet-M. Gilio-N. Dilissen... What sort of rocks/fluids etc can we expect at those depths? What do we learn from field observations, what kind of questions arise?

4. Integrative research from ZIP fellows (part 2, rock mechanics): M. Locatelli-S. Incel- T. Ferrand... Can we link intermediate-depth deformation patterns and mineral reactions in nature and in the laboratory?

5. Insights from models into intermediate depth events/reactions (and comparison with shallower depths) through various approaches:
J. Ruh - L. Le Pourhiet - E. Klein - P. van Keken

---- more discussions, ZIP business and beers... ----
---- dinner at 19-19:30 ----