1. Introduction & geological setting

- How can metamorphic slices be preserved along a 250-kilometre-long transect parallel to ophiolite transport in regard to the short-lived event they supposedly represent of Oman?
- Can the blueschist xenoliths contain several metamorphic slice locations (which for Oman be found in the same structural position and suprastructure of the same age)?
- Can we account for the facies for purely described diversity of possibly metamorphosed oceanic units (often called oceanic metapelites) also found below the ophiolites, which are representing an accretionary complex formed during the subduction?

2. Data #1: field observations

Mature subduction: high pressure slices

Incipient subduction: the metamorphic sole

3. Data #2: petrology

OC1 samples

OC2 samples

4. PT estimates

Incipient subduction: the metamorphic sole

Pressure-Temperature pseudosection (i.e. phase diagram for fixed bulk composition) was calculated using the software package Thermos software (Caputo & Perchuk, 2010). The database used was the database of Holland & Powell (1998) for mafic rocks with update for amphibole and clinopyroxene (Diener et al., 2007). Pressure-Temperature pseudosection (i.e. phase diagram for fixed bulk composition) were calculated using the

5. Mechanism in the subduction zone

Early stages: formation of the metamorphic sole

How to explain the blueschist-facies overprint?

Into the subsection zone