3. Intermediate Meeting:

Status Report:

* Program is finished and running, dynamic approach should work for large dataset now
* 3 Methods implemented:
  + Otsu
  + Kathrin’s method
  + Improved version of Kathrin’s method:
    - Iteration for SLA estimateion: Instead of finding global maximum of slope on 20 Meter elevation-albedo profile, we use iterative method to find local maximum
    - Dynamic r-crit:

For determining critical radius, we fit a step function onto 20 M Elevation-Albedo profile and take R-Value as a measure for size of radius.

For R-Value < 0, we use the maximal elevation distance between SLA and highest or lowest snow-covered pixel as r\_crit, for and increasing R we decrease r\_crit down to 0

* Next steps:
  + Get it running on Vierzack for all data: need estimate for run-time and produced data amounts
  + Write documentation
  + Create validation dataset.
    - Questions: What do I wanna validate? SLA or snow cover?
    - Methods designed to map snow cover, only SLA determination by ASMAG gives good SLA estimate, other SLA are more of an estimated “Hilfsgröße” to create a good snow cover map 🡪 if we want a reliable SLA that we can compare, we should create all SLA with ASMAG snow cover to SLA method
* Others: