

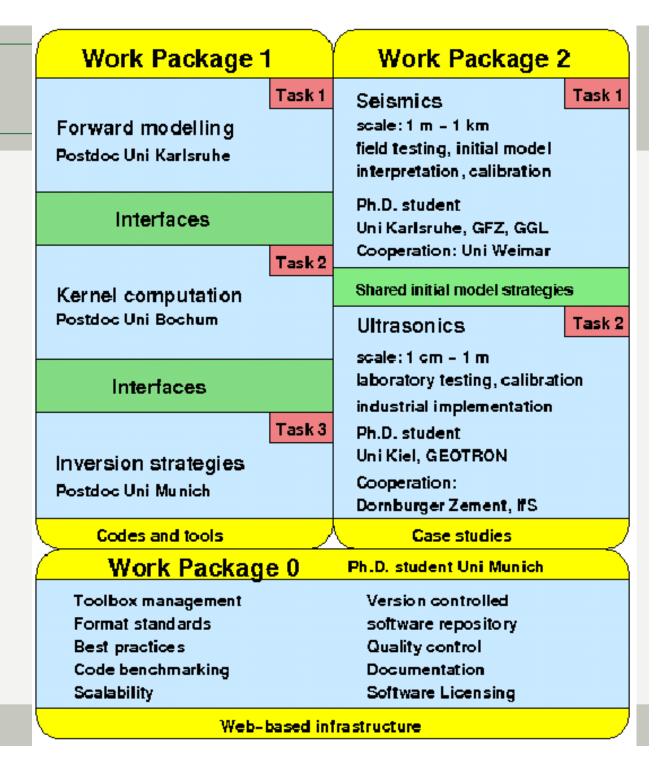


TOAST TOolbox for Applied Seismic Tomography

Ilaria Mosca



TOAST

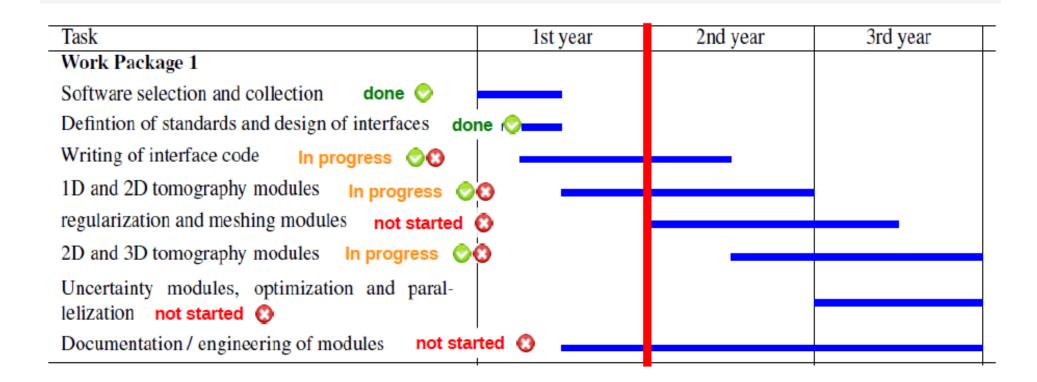


Seismo-group meeting





Proposal vs. Reality of WP1

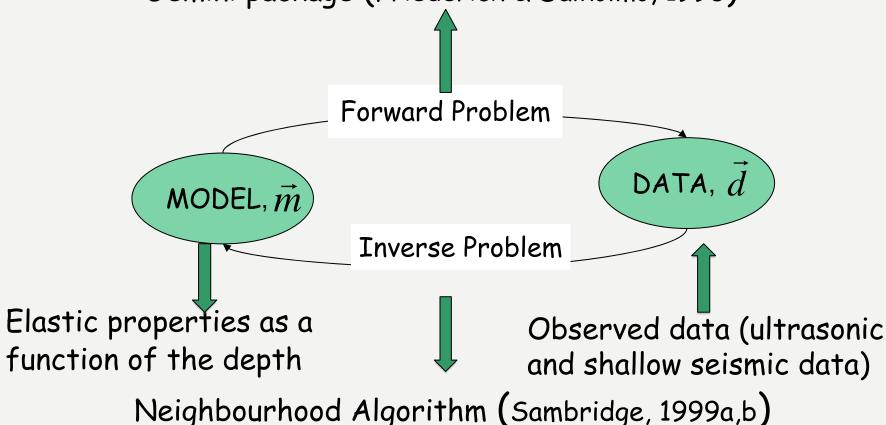






WP1 - Task 3: Inversion strategy

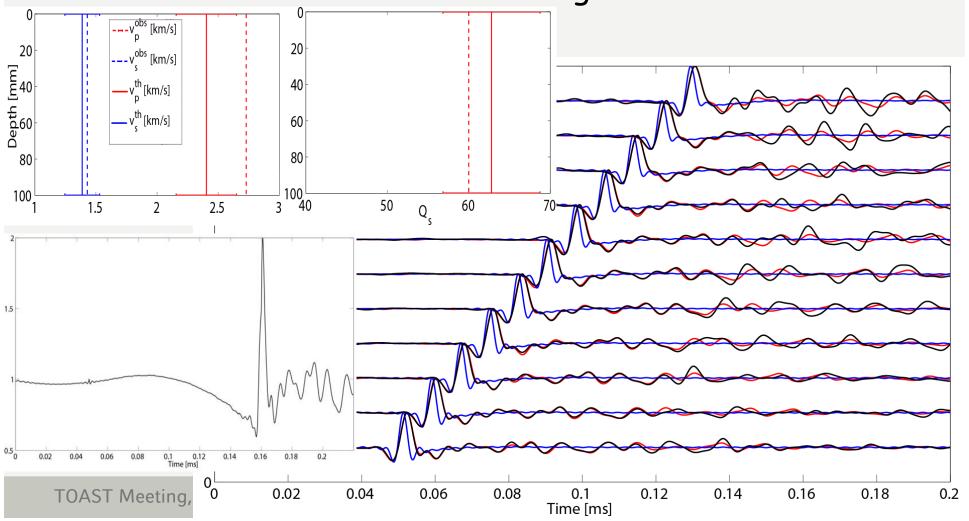
Gemini package (Friederich & Dalkolmo, 1995)







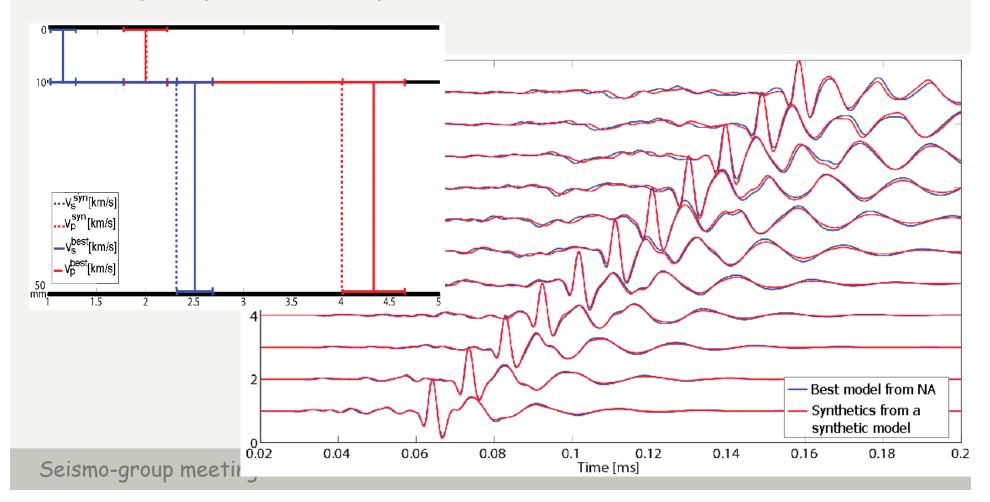
V_s and Qs inversion of ultrasonic surface wave measurements recorded for a Plexiglas block.







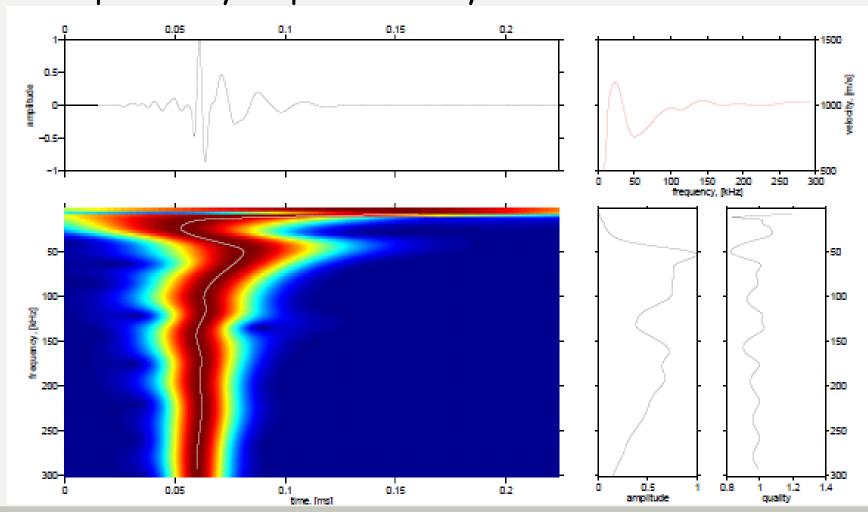
Study of the ultrasonic surface-wave propagation through synthetic layered structures.







Group velocity dispersion analysis of the 1st trace.







Next steps of WP1-Task 3:

- Inversion of ultrasonic measurements for (un)weathered samples as well as the shallow seismic datasets.
- > Phase velocity dispersion analysis for synthetic structures.
- Misfit function in terms of phase velocity.

Next steps of WP1:

- First version of the toolbox to interchange modules and interfaces.
- > Benchmark testing of inversion strategies