





4D-MB Final remarks

Mark R. Handy

SC meeting, Nov. 11, 2020, 17-18:30 hrs Online



Information - The 2nd phase



2nd phase of 4D-MB => 74% funding rate

- 35 proposals submitted
- 25 proposals financed not including the Coordination Proposal

All project money used up, positions should be filled **no** later than beginning of June 2021 (a year from time of funding).

By comparison:

1st phase of 4D-MB => 70% funding rate

- 34 proposals submitted
- 24 proposals financed



New Structure





Mountain Building in 4-Dimensions (4D-MB) Mark Handy



Research Theme 1
Reorganisation of the lithosphere
during mountain building
M. Handy & T. Meier

Working Group A

Neogene Orogenic (R)evolution –
from bottom to top & back in time
E. Le Breton, N.N. & E. Kaestle

Research Theme 2
Surface and crustal response to changes in mountain building
T. Ehlers & L. Scheck-Wenderoth

Working Group B

Bridging models of Alpine Deformation
and Sedimentary Systems
T. Ehlers & Ch. von Hagke

Working Group C

Active tectonics at Alps-Dinarides transition
Ch. Grützner & N. Stroncik



AlpArray Collaborative Research Group

Alps in 4D - Alpine chains and basins, from top to bottom & back in time





Meeting of the 4D-MB Steering Committee Nov. 11, 2020, 17-18:30

Measures to make us better

- Transition from data acquisition to interpretation, parametrisation and modelling
- Restructure to help remain innovative





Integration - How can we become better?

Continue measures that have served us well so far:

- 1. Short courses
 - Modelling Boris Kaus, Florian Wellmann (Winter. Spring of 2021)
 - Surface Processes Todd Ehlers (Autumn 2021)
- 2. Field trips (early Autumn, 2021)
 - Eastern Alps or Central Alps Mark Handy



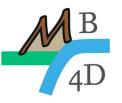


Integration - How can we become better?

New measures:

- Participate in new Working Groups => contact by "motivators"
- Folder on 4D-MB Website with access to unpublished results
- 3. Structure the annual meetings differently
- 4. Revamp the 4D-MB Steering Committee
- Alpine Model Generator Platform for data integration, representation and modelling Boris Kaus, Frederick Tilmann, Thomas Meier, Emanuel Kaestle, Georg Rümpker, Wolfgang Friederich, Mark Handy, N.N. (new Coordinator)





Revamp the 4D-MB Steering Committee

1st phase: 9 members

Seismology W. Friederich

Н. Корр

M. Weber

Tectonics M. Handy

Basin dynamics M. Scheck-W.

Petrology T. John

Neotectonics K. Reicherter

Surface processes T. Ehlers

Thermomech modelling B. Kaus

2nd phase: 11 active members

Tectonics M. Handy

Basin dynamics M. Scheck-W.

Neotectonics C. Grützner

Surface processes T. Ehlers

Thermo-mech. Modelling B. Kaus

Sediment. systems A. Bernhardt,

N. Tomasevic

Seismology Friederich, Kopp, Kaestle

Petrology T. John

Klaus Reicherter, Michael Weber move from active to advisory roles

Thanks especially to Michael Weber for a great job before and during the first phase!



Information - Data repository

ory

https/dataservices.gfz-potsdam.de/4DMB

So far, we have only 14 data sets and programs uploaded.

We can accommodate much more!

Questions? contact Emanuel Kaestle



Thanks!

...to all who made the Array and Swath D (Ben Heit) such a success

...to all of you participants of the meeting

...to speakers

...again, thanks to Jarka Plomerova and her group in Prague

...to Emanuel!!