



## WORKSHOP MEETING PROJECT NO. 667 WORLD MAP OF THE OROGENS

*Paris, France, 3-5 Dec, 2018*

Foreword: the workshop is dedicated to discussions. The program is therefore flexible. Feel free to prepare a few slides to present on specific aspects of mountain building that you think would be relevant. We will update the time table on Monday morning.

### **Day 1 - Monday Dec 3**

9:00 – 9:15 coffee welcome and program adjustments

9:15 – 9:45. Introduction, meeting programme; history of the project (MP)

9:45 – 10:00. Prospective of the project (MP)

10:15 – 10:30. State of the art: previous projects Academic/Industry (F. Leparmentier / D. Frizon),

Attempt of reconstructions; examples (CR)

10:30 – 10:45 *coffee break*

10:00 – 10:15 first sketches; approach: (RB, CR & MP)

10:15 – 11:00. Philosophy of the legend; what to display on the map; what is an orogen?

11:00 – 11:15. Significance of ophiolites/sutures, mélanges. Non-ophiolitic deformation: a discussion

11:15 – 11:30. Different stages / time cuts, diachronisme

11:45 – 12:00. Meaning and representation of metamorphism (RoOB, RB)

12:15 - 13:30 Lunch (at CGMW)

Afternoon

13:30 – 15:00: Meaning and representation of magmatism

15:00 – 15:30. Rifts/aulacogens, and former passive margins (DFL?)

15:30 – 16:00. Successor basins

*Coffee break*

16:00 – 16:30: Discussion on the legend

16:30 – 17:00 GIS and database. Modern Web display (SR)

Options for a worldwide diffusion

19:00 – Dinner (for all participants). Please do confirm your attendance.

**Day 2 - Tuesday Dec 4** Regional aspects

9:45 – 10:00. Europe: a case example: continental collision

10:15 – 10:30. Asia: emphasis on recent and fast geodynamics: docking tectonics and terranes

10:30 – 10:45 Africa – How to represent old orogens?

10:00 – 10:15 America; the case of cordilleras

10:15 – 10:30. India-Eurasia collision; the problem widespread distributed deformation

10:45 - 11:00. Active tectonics

11:00 – 12:00. Discussion

12:15 - 13:30 *Lunch*

Afternoon: Regional aspects (continued)

13:30 – 15:00. Examples of reactivations, tectonic inversions

15:00 – 15:30 Discussion on the legend

*Coffee break*

15:30 – 17:00. Definition of specific WG and tasks, collaborations.

Operational mode; who does what?

Field trip: location and date (topic: reactivation of orogens, Morocco, Corsica, other....)

Miscellaneous: newsletter, association with IGCP662,.....

Deliverables; Map and publications, web tools

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**Day 3 - Wednesday Dec 5**

9:45 – 12h Open discussion

12:15 - 13:30 Lunch

13:30 – 15:00 Informal discussions; wrap-up

Next meetings

EGU Wien (informal. Splinter meeting “Orogens”).

16 h - End of the meeting