

New insights in the lithospheric configuration of the Liguro Provençal Basin derived from gravity field interpretation (EGU22-2908)

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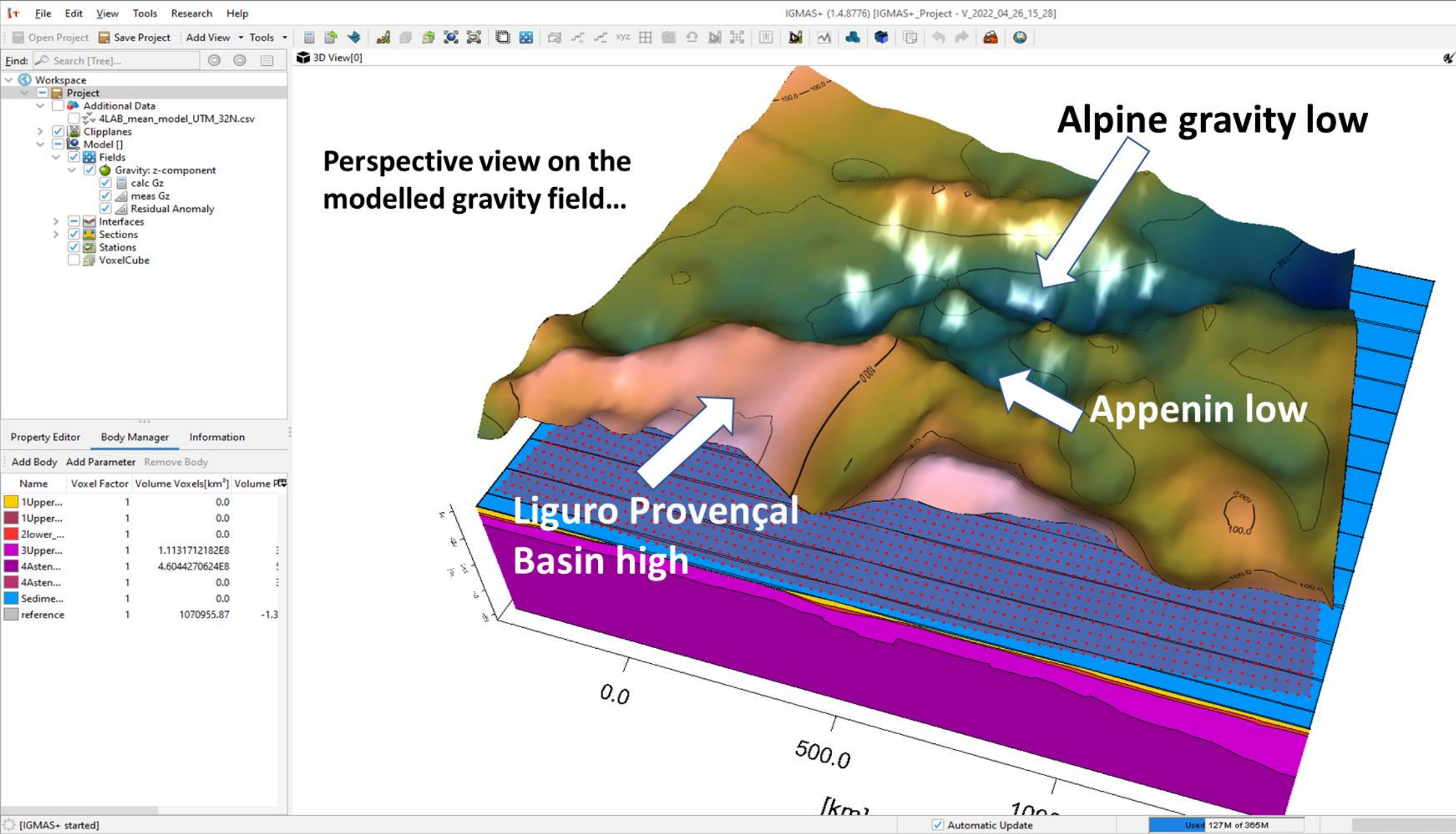
³ RG Geophysics & Geodynamics, University Mainz, (Germany)

Contribution of SPP 1411 „Mountain building in 4D“,
subproject DEFORM & AlpArray

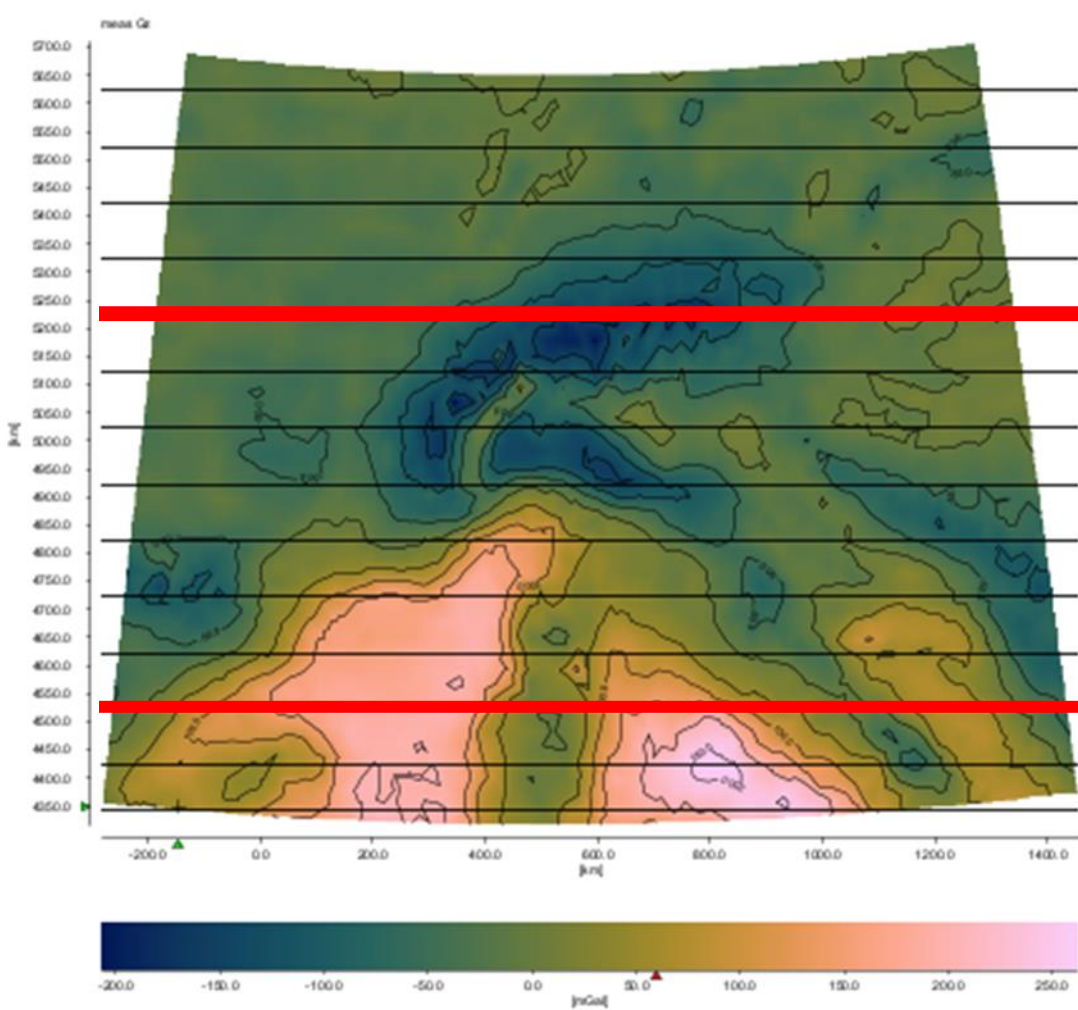
DISPLAY MATERIAL



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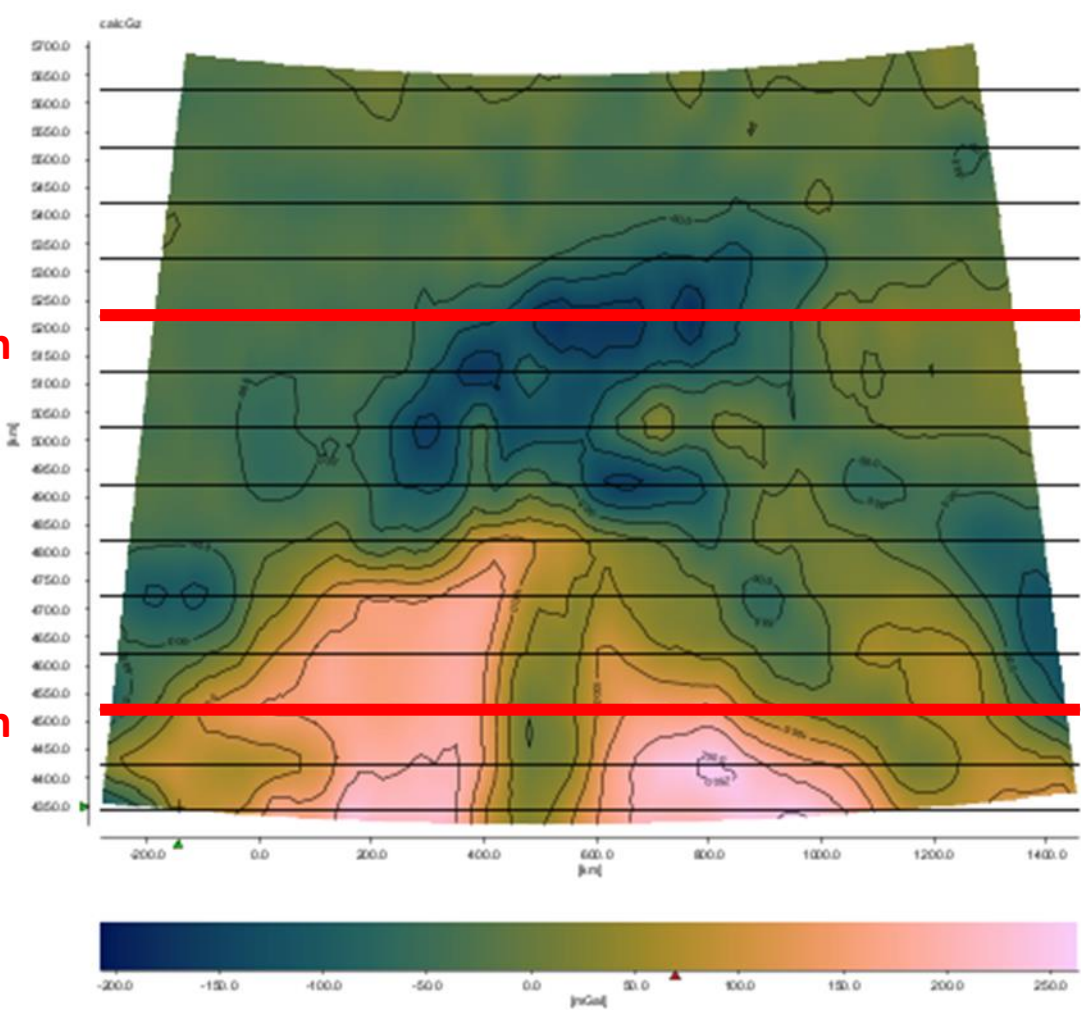


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Vertical
cross section
9

Vertical
cross section
2



Based on the manuscript of:

Kumar, M. Cacace, M. Scheck-Wenderoth, H.-J Götze, B.J.P. Kaus. Present-day upper-mantle architecture of the Alps: insights from data-driven dynamic modelling (under review, Geophysical Research Letters)

we compiled a 3D density model of of the Alps and surrounding areas including masses of the Liguro-Provençal basin

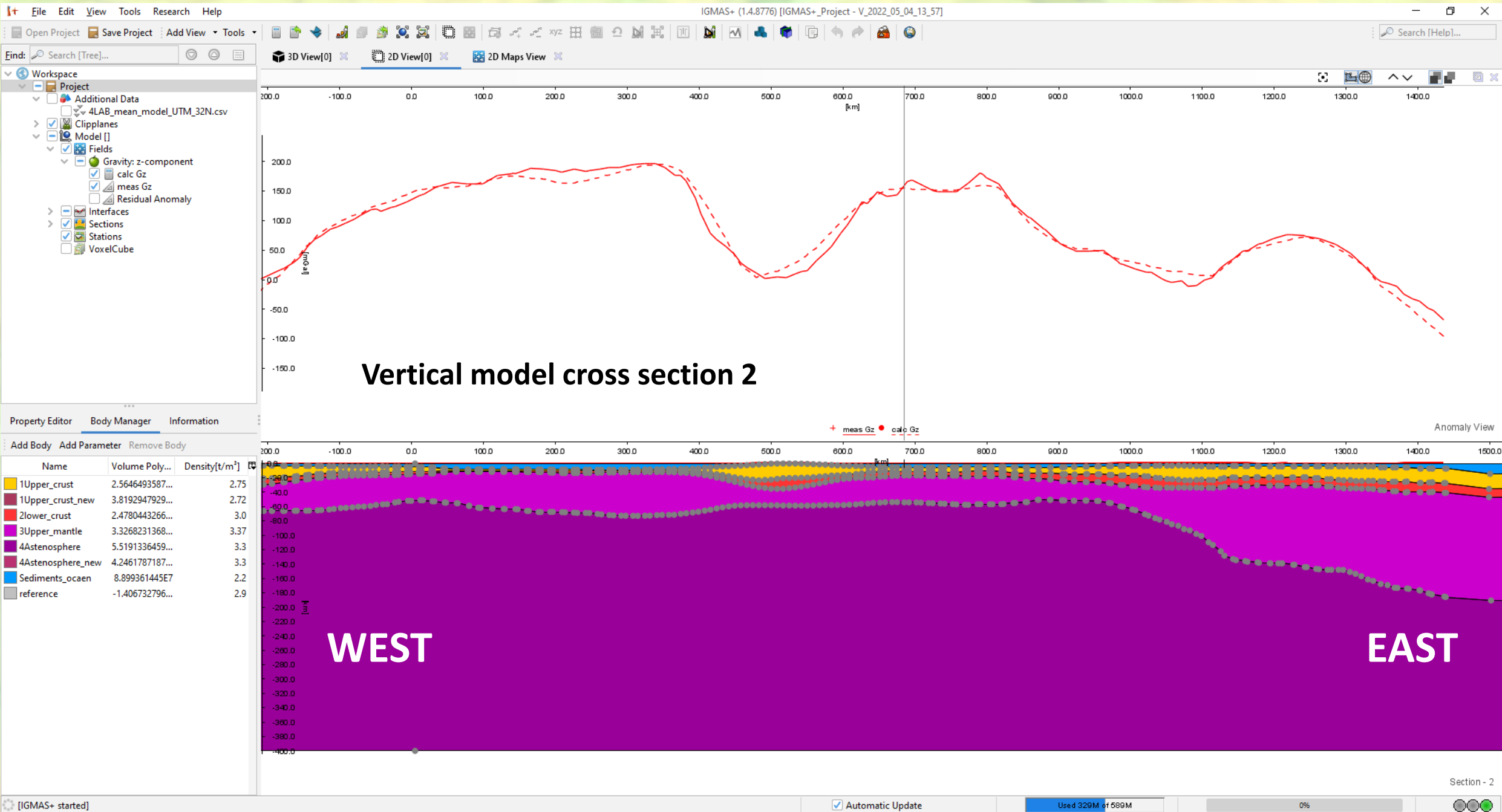
by the  software.

<https://igmas.git-pages.gfz-potsdam.de/igmas-pages/>

We display 2 vertical cross sections:

cross section 2 crossing the Liguro-Provençal basin in the South and
cross section 9 in the area of the Alps in the North.

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