

***Interactive comment on “A tectonic carpet of Variscan flysch at the base of an unrooted accretion prism in NW Iberia: U-Pb zircon age constrains from sediments and volcanic olistoliths” by Emilio González Clavijo et al.***

**Emilio González Clavijo et al.**

ipicaparopo@gmail.com

Received and published: 24 December 2020

Dear John Wakabayashi,

On behalf of all authors of this paper I thank your valuable revision. We gladly accept all the comments and suggestions you highlighted in both, the interactive comment and the annotated manuscript.

As in the case of Revisor 1, most of your comments were directed to the text organization and English writing. We have dedicated much time solving all the problems that

C1

both of you have identified, and others that we recognized. For that, we have added or removed parts of the text, improving readability in many sections. Figures were updated and others were made new to follow the text. We expect that the manuscript will be easier to read and have a larger impact on the scientific community studying orogenic processes in the world.

The additional comments made by you in the interactive comment were very valuable to us. We have tried to incorporate most of your questions into the manuscript, but as you said, some of the raised subjects are a bit out of the scope of this paper. For instance, we would like to have a more detailed description of all the BIMF units we talk about, and their relationship in space and with the basement. However, we believe this subject deserves more attention and it should have its own space, in a dedicated work to the characterization of the large-scale mass-wasting deposits identified in the NW Iberia synorogenic basin. With this work we present the most complete geochronological study ever presented in Iberia to trace source-to-sink relationships based in the zircon population fingerprinting in the Variscan synorogenic marine basin and surrounding geological domains. Further works will certainly show other aspects not highlighted in this manuscript. Nevertheless, we have improved the text and some descriptions on the origin, metamorphic grade, deformation aspects in some of the studied olistoliths, highlighting the differences between flyschoid matrix, “exotic” extrabasinal and “native” intrabasinal rock blocks, resuming definitions of sedimentary, tectonic and polygenic mélanges in the beginning of the manuscript (as well as other definitions).

Once again, thank you for your dedicated review!

Best wishes,

Ícaro Dias da Silva (corresponding author)

---

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-173>, 2020.

C2