

[COR: Number]

## Cover Letter

### **formikoj: A flexible library for data management and processing in geophysics - Application for seismic refraction data**

Matthias Steiner, Adrián Flores Orozco

Dear Editor-in-Chief, dear reviewers

thank you very much for the positive evaluation of our manuscript as well as for providing numerous constructive comments and suggestions for improvement. In the revised version of our manuscript "formikoj: A flexible library for data management and processing in geophysics - Application for seismic refraction data", we have attempted to implement every suggestion and address all comments.

In particular, we present theoretical details regarding the considered and implement methodologies, provide a self-contained synthetic study demonstrating the validity of the forward modeled seismic waveform data, and the fundamental processing capabilities of the proposed library for seismic refraction data. Moreover, we discuss a single field data application in order to provide a more concise demonstration of the library functionalities with regard to the processing of real seismic survey data.

Moreover, we modified the library according to the suggestions provided by the reviewers and provide the revised source codes in a public repository with details listed in the section "Code availability".

We hope that our revisions and replies alleviate the concerns of the reviewers and that you find our study suitable for publication in Computers & Geosciences. We look forward to your decision.

Yours sincerely,

Matthias Steiner and Adrián Flores Orozco

Research Unit of Geophysics, Department of Geodesy and Geoinformation, TU Wien; matthias.steiner@geo.tuwien.ac.at