

Dear Prof. Motagh,

thank you for your comments and suggestions.

Minor comment:

page 2 : Fig.1 illustrates the most recent deformation

I would change: Fig. 1 illustrates the most recent sinkhole developed in the area in 2012

Thank you for your remark, the text has been changed.

Page 3: The Solostuyno salt diapir.....

please polish the sentence. It is not grammatically correct (In general, I would recommend polishing the manuscript by a native speaker or a professional service)

Thank you for your comment, the sentence was rephrased.

Material and Methods

In this section we only see description about InSAR analysis. Later in the Result section (section 4), we again see switching to methodology for the source modeling. I would recommend bring the theoretical aspect of the modeling to the Material and Methods to have a coherent result section (section 4) before Discussion.

Thank you for your comment, the theoretical description of the modeling was moved to section 3.

Page 7. Time-series of Sentinel-1 deformation beneath the city of Solotvyno

Do you mean south of Solotvyno? The deformation zone seems to be outside the city. Anyway, please indicate the location of the city in Fig. 4 for a better clarification

Fig. 4. shows the concept of LOS decomposition. Fig 5. depicts the LOS deformation. The background of Fig. 5. is a Google Earth satellite image, the zoom level was set to fully match the extension of the city, that is the reason we did not mark the boundary of Solotvyno. The mining area is situated in the center of the city. The river on the south and east is the natural boundary of Solotvyno (and it is the border between Ukraine and Romania).