

## ***Interactive comment on “Anthropogenically induced environmental changes in the northeastern Adriatic Sea in the last 400 years (Panzano Bay, Gulf of Trieste)” by Jelena Vidović et al.***

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Received and published: 19 September 2016

Responses to the Referee 2 comments (colored red in the manuscript):

Referee 2: it may be is useful to show Idrija in the map of Fig. 1

We agree, but Idria mercury mine is located outside the coverage of the map, far away in the central Slovenia. Therefore, we could only add the direction of the mercury input on the map of Fig. 1.

Referee 2: diversity indices: There is no need to measure diversity in three ways when

C1

one is enough

We use three different indices, as they depict the diversity in a different way. Also, we use them to prove that the results are consistent and not dependent on the used metric. Additionally, these indices are frequently used in ecological studies (and not only in the ones dealing with foraminifera) to define the ecological status of the research area. Therefore, by keeping all three of them in this manuscript, we would thus allow easy comparison of results between different studies.

Referee 2: Line 209: normalised

We corrected this spelling mistake.

Referee 2: Line 307: 12.74mg/kg do not correspond to the reported in Table S2

Actually, it does correspond to the table, but it was not written clearly. The submitted version was: “The concentration of Hg sharply increases at 100-130cm, from 12.74mg/kg to 44.7mg/kg.” And the revised version is: “The concentration of Hg sharply increases from 12.74mg/kg at 145-150cm of the core depth, to 44.7mg/kg at 100-130cm.”

Referee 2: Line 367: Campos et al., 2003 missing in References

Campos et al., 2003 was a spelling mistake. It should be Campos, 2003. We corrected this.

Referee 2: Line 489: Aquavita should be Acquavita

We corrected this spelling mistake.

Referee 2: Line 1047: 1993 should be 1994

We corrected this spelling mistake.