

Final review and topical editor's comments

The authors considered reviewers' comments and adjusted the text quite accordingly.

Still, I like to suggest some minor adjustments, mostly related to structure and text:

- Figure 2 needs to be improved in captions and a few terms. My suggestion is: Soil properties to be considered to fulfill soil functions provided by constructed Technosols in different land uses.

Key parameters inside the figure should be Soil properties.

In both cases, I would not use Key, since they are many and there is not enough indication that some are keys and others not.... This also happens in other parts of the text as in line 170, where Characteristics is more realistic than Key characteristics. In table 1, also I suggest to replace key parameters by Soil characteristics of CT considered to assess soil functions by different land uses of GI, provided by literature.

The term fertility is used here and also in the text to refer to different soil properties that are not only chemical, but sometimes physical, and even more important for the purposes and land uses. This should be adjusted throughout the text, as for instance in line 455, in the Conclusions

I also suggest to use Reclaimed derelict land instead of reclamation to keep the same text pattern.

- In the conclusion, line 464, the expression "in the formula" may not apply. I suggest to remove it.
- In the structure of the results, I suggest some text adjustments/arrangements to improve the text pattern:

3.1 Construction of Technosols for different land uses in GI

3.1.1 Needed characteristics to fulfill GI requirements

3.1.2 Use of waste materials

The item 3.1.3 is not relevant for itself, being part of the previous one, as another paragraph: To be functional, a specific.... I suggest to remove it as a separate item

3.1.3 Technical constraints (former 3.1.4)

3.1.4 Pedogenesis

3.2 Construction of Technosols to specific land uses in GI (I suggest this the keep an uniform terminology that eases reading) followed by subtitles harmonized with the ones in Figure 2

3.2.1 Parks... 2 Tree lined... 3 Green buffers 4 Urban farming 5 Reclaimed derelict land

With those minor adjustments I consider that the paper is ready to be published.

I like to thank the reviewers for their comments and suggestions and wish success to the authors.