The manuscript has significantly improved with respect to the first version. Now its aims are clearer and the overall structure more consistent. I still would like to see more comparison with the available alternatives, but I understand there are technical problems in pursuing these kind of comparison.

Despite the improvements, I think minor revision are still required before publication on any international journal.

A couple of technical aspects need first to be clarified:

1. L1-3P14: How do you choose the “best variogram model”? Is it an automatic on manual procedure? Based on what? The authors remarks in the conclusions that “the tests also show how it is possible to choose between 11 variograms...” but the choosing rationale is not explained across the manuscript.
2. L21P19: “Regarding the estimates... these are usually different”. I can not understand how it is possible. If the setup of the methodology is the same, the variogram bins and distances the same and, obviously, the kriging equation the same, how can the two packages provide different results?

In addition, despite the authors’ revision, my greatest concerns are still related to style and use of English language. I am not English mother tongue either, but I strongly suggest the authors to undergo a global language and style revision with the help of an expert (mother tongue, if possible) as wording and language structures not commonly used in English are still present, especially in some sections of the manuscript: they severely degrade the readability of the paper. The consistence with the journal style has to be checked too.

In the following, please find some examples of the language, structure and style problems. It is just a non-exhaustive list:

3. L8P1: “For both variables” → “For both the variables”
4. L22P1: “...by several authors, (Tabios and Salas, 1985; Jarvis and Stuart, 2001), among others” → I don’t think this is consistent with the citation style you adopted. As (Tabios and Salas, 1985; Jarvis and Stuart, 2001) are part of the sentence they should be cited, e.g., like the authors at L23P1 “...by several authors, among others Tabios and Salas (1985) and Jarvis and Stuart (2001), who...” or you can rephrase: “...by several authors (e.g., Tabios and Salas, 1985; Jarvis and Stuart, 2001), who...”
5. L15P2: “make” → “makes”
6. LL24-26P2: “In this work...error of estimates” → The sentence is not well structured, please rephrase it (consider using a bulleted list)
7. L14P3: “First some preliminary...” → “First, some preliminary...”
8. L20P3: “...measured data, (...)” → “...measured data (....).”. Please, verify all across the manuscript mis-uses of commas in the correspondence of brackets.
9. L6P4: “...too strict, (...).” → “...too strict (...).”
10. L19P4: “...of errors, (....).” → “...of errors (....).”
11. LL26-27P4: “Further details... Appendix A” → Already mentioned at the beginning of the section, consider removing.
12. L28P4: “Design of the SIK package, its deployment and use cases” → The title sounds really bad in English, consider alternatives, e.g., “Design, deployment and use cases of the SIK package” or “The SIK package: design, deployment and use cases”
13. L29P4: “...and on the use cases...” → “...and of the use cases...”
14. L30P4: “…four levels of detail, the logic of which is explained below” → It is not clear what level of detail you are referring to and I can’t find where you explain their logic. Do you refer to the 4 OMS3 components? I think the can not be defined “levels of details” as they are just the necessary steps for the kriging algorithm to work. Please, try to adopt a more readable structure, where the 4 levels are clearly listed and explained. Otherwise, please remove the sentence.

15. FIGURE 1 → Why don’t you call the OMS components with the name you assign them in the manuscript instead of the titles? It would help readability (Krigings → SIK-K, etc.).

16. L6P6: “…the four OMS components…” → What about the “Particle Swarm”? Isn’t it an OMS component? In the case the components are five.

17. L12P6: “…the use of DP” → Please explain the acronyms the first time you use them. Here and across the manuscript.

18. L15P6: “…the four OMS components…” → What about the “Particle Swarm”? Isn’t it an OMS component? In the case the components are five.

19. FIGURE 3 – caption: “…as used in (Bancheri, 2017)” → “…as used in Bancheri (2017)” (see previous comments)

20. LL3-8P9: “Although the initial code (let’s call it v 0.1) was already available from a control version system under GPL v3 license (www.gnu.org/licenses/gpl-3.0.en.html), the repository was owned by the original Author. An non-personal repository was judged to be better suited to host a collaborative work. Therefore, for SIK and its companion tools the collective GEOframe organization repository was created under Github (www.github.com), using Git (www.git-scm.com), and can be found at the following link (www.github.com/geoframecomponents)”. → Please, correct the typos: “Despite the initial code, that will be referred to as v0.1, was already available from a control version system under GPL v3 license (www.gnu.org/licenses/gpl-3.0.en.html), the repository was owned by the original author. A non-personal repository was judged to be better suited for hosting a collaborative work. Therefore, for SIK and its companion tools the collective GEOframe organization repository was created under Github (www.github.com), using Git (www.git-scm.com). It can be found at the following link: www.github.com/geoframecomponents.”

21. LL1-27P10: all this part of the section requires a deep revision as there are significant phrasing and structural errors that make it hardly readable, I just report some examples:
   - L1: “Moreover, code v0.1” → Remove “moreover”, the sentence is not related to the previous
   - L1: “contemporary” → Here “modern” is better.
   - L2: “various libraries that concur” → “various concurring libraries”
   - L5: “Maven and Grandle can...” → “Both Maven and Grandle can...”
   - L6: “...depending on use of the...with respect to the...” → “...thanks to the use of the...compared to the...”
   - L7: “...has the practical effect of abstracting...” → “...allows at abstracting...”
   - L9: “...support Gradle and Maven (and Ant)...” → “...support both Gradle, Maven and Ant...”
   - L10: “...but they are hardly used at all by scientists...” → “...but rarely by scientists...”
   - L11: “…researchers can...” → “…researchers could...”
   - L13-14: “while certainly not necessary to doing good science” → Please remove the part, as it just complicates the structure of the sentence without adding anything (or, at least, correct “to doing” with “for doing”).
   - LL17-22: “Travis CI, (https://travis-ci.org), is a good choice for a continuous integration service, which uses GitHub as a web-based git repository hosting service. Continuous integration, (Meyer, 2014), is the practice of merging all developer working copies to a
shared mainline several times a day. Unit Tests (Beck, 2003), are built with the code and run each time the merging is done. The continuous integration service automatically builds the executable codes, checks if the tests are performed correctly and returns a positive answer if all is done properly. Eventually, major code commits are tagged with release numbers, under the GPL v3 license. “The structure is confused: first you have to explain that continuous integration is, then you can suggest a good choice. Moreover, it is not clear if you effectively used Travis CI. Please, clarify (and, again, be careful to the use of commas): “Continuous integration (Meyer, 2014), is the practice of merging all developer working copies to a shared mainline several times a day. Unit Tests (Beck, 2003) are built with the code and run each time the merging is done. The continuous integration service automatically builds the executable codes, checks if the tests are performed correctly and returns a positive answer if all is done properly. Eventually, major code commits are tagged with release numbers, under the GPL v3 license. For this purposes, we chose/not choose to use Travis CI (https://travis-ci.org), which uses GitHub as a web-based git repository hosting service, and is a good choice for a continuous integration service.”

24. L17P11: “...any outliers from the dataset” → “...any outliers.”.
25. L8P12: “...all 11 theoretical models” → “...all the 11 theoretical models.”
26. L21P12: “15th June 2008” → “15 June 2008”, all across the manuscript. Journal guidelines suggest to use the format: dd month yyyy. The “th” is not required.
27. “...the semivariance [h] and the distance in meters respectively” → “...the semivariance [h] and the distance in [m] respectively”
28. L5P13: “...with high values...” → “...with large values...”
30. L4P14: “...shows the results between the measured and interpolated values using the four...” → “...shows the results for the four...”
31. L12P14: “...model” → “...models.”; “15th February” → “15 February”
32. L14-15P14: “...the biggest error...the biggest error...” → “...the largest error...the largest error...”
33. L7P15: [h] → [h]
34. FIGURE 9 – caption: “29th “30th” → “29” “30” (also on L7P17)
35. L2P18: “...biggest...” → “...largest...”
41. L3P21: I think “To test the performance...variables” (L3-6P22) should follow here (after “4 types of Kriging interpolations”) as it is a part of the “summary” of the paper to be inserted before the general comments on the results.

42. L12P21: I think it is true “only under certain conditions” and need to be clarified.

43. L7-9P22: I would remove the sentence “As expected,.... Elevation”, as it is an aspect out of the aims of the paper, it is an “expected” result and does not fit the conclusion section.

44. L1P25: “Indexes of goodness of fit” → “Goodness of fit indices”

45. L4P26: “..the eleven theoretical...” → “...the 11 theoretical...”