The paper was improved as requested but there is still a major issue to solve. In my previous review I made this comment:

4. Lastly, but importantly, the manuscript in its current form is crippled by disorganization. The Introduction and Results & Discussion sections are sprawling and difficult to follow. I do prefer to see in a scientific paper results and dicssuion well separeted. The Data & physical section is not reasonably clean and is lacking in information, but the Methods & Methodology section is impenetrable with a lack of a simple workflow that could help the reader (Figure 2 is not helping the reader in that direction).

Still I do think there is no discussion in the paper that represent just a extended conclusion. The main question is: what is the scientific question you ask and what is the main advance you get after this paper? This is not clear still within this version. Please alos consider that figure 2 is not helping at all in that direction.

So my previous review still holds:
What exactly do we gain from combined temporal C-CEMS approach that we cannot determine, for example, from a classical method? The technological advantage— and whether or not the analysis of that advantage is innovative—depends on the research question. At this stage the paper represent a seires of analysis that is unclear how they set up the innovative method.

Other minor issues:

1. within the study area please consider to insert some key papers related to the dredged sediment management especially considering that you are dealing with a very specific regional area (page 4 line 9):

Cutroneo, L., et al. "Technical and public approaches to involve dredging stakeholders and citizens in the development of a port area." Environmental Earth Sciences 72.8 (2014): 3159-3171.

Bigongiari, Nicola, et al. "Assessing shelf aggregate environmental compatibility and suitability for beach nourishment: A case study for Tuscany (Italy)." Marine pollution bulletin 93.1 (2015): 183-193.

Cappucci, S., et al. "Integrated coastal zone management at Marina di Carrara Harbor: sediment management and policy making." Ocean & Coastal Management 54.4 (2011): 277-289.

Witin the the multi-temporal C-CEMS approach to create an observatory and forecast system using also the Earth observation part please consider recent publications:

Filipponi et al., Ten-years sediment dynamics in Northern Adriatic sea investigated through optical remote sensing observations, Geoscience and Remote Sensing Symposium (IGARSS), 2015 IEEE International DOI: 10.1109/IGARSS.2015.7326258

Paragraph 3.

I do not see the importance to be so detailed about several in the Remote sensing part. As an example why adding the ENVI software details? You can do similar nalaysis with other software unless there is something very peculiar that is not clear. The same comment apply to the data description.

Figures:

Please add Lat-Long within figure 1. Most of the readers do not know where Civitavecchia is.

Figure 2. I do not see a clear explanation of the color and boxes within the block digaram. It is quite difficult to follow and link between the manuscript and the C-CEMS component in the scheme. Whoever wants to replicate the approach could have several problems to do so.

So far my comments.

Best Regards