

To whom it might concern

Contribution of Dr. Santiago Sandoval to PhD project at DTU, Technical University of Denmark

I hereby confirm that Dr. Santiago Sandoval was actively involved in research activities carried out by PhD student Ditte Marie Reinholdt Jensen during her project "*Planning Tools for Stormwater Pollution Management*". I was the main supervisor of the PhD project, with co-supervision from Prof. P.S. Mikkelsen (DTU) and Prof. X. Li (University of the Chinese Academy of Science). The PhD project was carried out at the Department of Environmental Engineering of the Technical University of Denmark (DTU Environment),

The research collaboration focused on the statistical analysis of stormwater quality data, where Dr. Sandoval contribute with the experience gained during his PhD, which focused on the same dataset.

Specifically, Dr. Sandoval actively contributed to shape the research questions investigated by Ditte, provided support in the data analysis and in the interpretation of the results, and contributed to the dissemination of the result into scientific paper.

These activities resulted in two distinct manuscripts:

- Jensen, D.M.R.; **Sandoval, S.**; Aubin, J.-B.; Bertrand-Krajewski, J.-L.; Li, X.; Mikkelsen, P.S.; Vezzaro, L. *Classifying pollutant flush signals in stormwater using functional data analysis on TSS MV curves*, currently under revision in *Water Research*;
- Jensen, D.M.R.; **Sandoval, S.**; Bertrand-Krajewski, J.-L.; Mikkelsen, P.S.; Vezzaro, L. *First flush assumptions in stormwater pollution management for separate systems: debunking a classical urban (drainage) myth*, manuscript that will soon be submitted to an international scientific journal

Both manuscripts, which Dr. Sandoval contributed to, represent a substantial part of Ditte Marie Reinholdt Jensen's thesis, which was successfully defended at DTU on the 26th January 2022. Thesis at DTU Environment are indeed mainly based on scientific articles.

I remain at your disposal for any further enquiries about the contribution of Dr. Sandoval to the PhD project.

Best regards,

Luca Vezzaro
Associate Professor



25 March 2022
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