

Introductory information

- Data from observations of the role of water hyacinths in macroplastic transport and accumulation
- The dataset is in an Excel format and is comprised of three datasheet
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Methodological information

- Method description:

(1) *Timeseries hyacinth coverage*. The data presented in the 'Timeseries hyacinth coverage' datasheet was processed and computed using Sentinel-2 imagery over the Saigon river, Vietnam. The data processing and analysis was performed in the Google Colaboratory environment. The code is available at: <https://github.com/n-janssens/Water-hyacinth-monitoring-tool>

(2) *In-situ meas. organic material*. The data presented in the 'In-situ meas. organic material' datasheet results from a field measurement campaign conducted at the Saigon river, in Ho Chi Minh City, Vietnam, over the year of 2018. The data was collected using net sampling at the Thu Thiem bridge in Ho Chi Minh City. The methodology for the net sampling is presented in the following publication: van Emmerik, T., Strady, E., Kieu-Le, TC. *et al.* Seasonality of riverine macroplastic transport. *Sci Rep* **9**, 13549 (2019). <https://doi.org/10.1038/s41598-019-50096-1>

As indicated in this publication "*Plastic sampling was done using three static bridge-mounted trawls (...). Three different types of trawls were used, varying from one to three layers (...). All trawls consist of frames, with 2-meter nets attached. The chosen mesh size was an optimization between the desired size fraction of the plastic catch and the controllability of the trawl due to the drag force. Depending on the water flow velocity, trawling deployments lasted between 1 and 60 minutes.*"

(3) *Hydrometeorological variables*. The data presented in the 'Hydrometeorological variables' datasheet was retrieved as monthly averages from the Ho Chi Minh City Statistical Yearbook of 2019 (Ho Chi Minh City Bureau of Statistics 2019).

Sharing and access information

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