

# Data set on the whole analytical result of WP4 D 4.2.3

Annex to the Progress Report VI  
January 2022  
Version n.1



## PROJECT AdSWiM

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|----------------------|--|
| <b>Work Package:</b> | WP 4 - Innovative solutions in analytical, microbiological controls and to treat urban wastewaters (UWW)       |
| <b>Activity:</b>     | 4.2 Innovative Analytical Methods/Devices (IAMD) Nutrients and trace elements<br><br>4.6 IAMD_Results analysis |
| <b>Phase Leader:</b> | UNIVPM   |
| <b>Deliverable:</b>  | D 4.2.3  |

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|-----------------------------|--|--------------|------------|
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## PART 1: INTRODUCTION

One dataset, that collects all results provided by the PPs involved in the WP4 was designed by Univpm, OGS, CAFC, Uniud, PHI and published in open access mode from National Institute of Oceanography and Experimental Geophysics - OGS, Division of Oceanography (doi=10.13120/j23k-n088).

The data set is accessed by the link

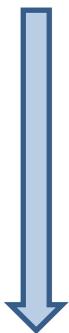
<https://nodc.inogs.it/catalogs/doidetails;jsessionid=428B3F91CE5D3FA653A564671BEFC31A?0&doi=10.13120/j23k-n088>

The file collects all the parameters investigated during the entire framework of the AdSWiM project, from all the partners involved in analytical determinations.

## PART 2: DATASET ORGANIZATION AND PARAMETERS

The dataset is organized in an excel file, designed as following:

### 1. Vertical bar (from top to bottom):



- Depuration Plant, in order: Zadar Upov Centar Water Treatment Plant, Split Katalinića brig Water Treatment Plant, Split Stobreč Water Treatment Plant, Lignano Sabbiadoro Water Treatment Plant, San Giorgio di Nogaro Water Treatment Plant.
- Sea Sites, in order: Zadar Upov Centar, Split Katalinića brig, Split Stobreč, Lignano Sabbiadoro, San Giorgio di Nogaro, Francavilla al mare
- Francavilla al Mare Water Treatment Plant

Vertical disposition followed the time series for each site (from 2019 to 2020)

### 2. Horizontal bar (from left to right):



- Time and Site characteristics: Station name, date/time, type, latitude, longitude, bottom depth, month, year;
- Probe parameters: Temperature (°C), Salinity (psu), Density ( $\sigma_T$ ), Turbidity (NTU), pH, Dissolved Oxygen (mg/L), Oxygen saturation (O<sub>2</sub>%).
- Nutrient concentrations ( $\mu\text{g/L}$ ): Ammoniacal nitrogen N-NH<sub>3</sub>, Nitrous nitrogen N-NO<sub>2</sub>, Nitric Nitrogen N-NO<sub>3</sub>, Dissolved Inorganic Nitrogen, Orthophosphate P-PO<sub>4</sub>, Silicates Si-SiO<sub>2</sub>.
- Microbiological parameters (cfu/100ml): Pseudomonas Aeruginosa, Escherichia Coli, Enterococci.

