

ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

VAC-2023-10 – Research Engineer (DIGIT4WATER project)

Number of places: 1

Category: RENG-3

Workplace: Madrid

Salary (gross): 33.329,98 euros/year

Weekly working hours: 40

Functions to be developed:

The main objective of the DIGIT4WATER project is to create digital tools to improve advanced tertiary treatments, by predicting removal levels of target pollutants. To this end, an Early-Warning System (EWS) and a Decision Support Tool (DST), based on Machine Learning (ML) models, will be developed. Such models will be fed by an open database on physicochemical characteristics of actual Municipal Wastewater Treatment Plants (MWWTP) influents and effluents, as well as advanced regeneration tertiary treatments tested at laboratory and pilot plant scale for compliance with the new European regulation (EU 2020/741) on water reuse.

Required skills:

- Experience in the fields of “data science” and “statistical programming languages”.
- Development and application of Machine Learning models
- Programming in “Python” or “R”

Other valued skills (not mandatory):

- Development of decision support tools and graphical user interfaces
- Knowledge in the field of water quality treatment and online monitoring systems
- Knowledge in open Data Base Management Systems (DBMS)

Qualification system:

The requisites and merits will be evaluated with a maximum note of 100 points. Such maximal note will be obtained summing up the following points:

- **Publication and career track: 20%**
- **Previous research and academic experience in the field of the position: 15%**
- **Programming skills: 30%**
- **Language skills: 5% (English)**
- **Test and/or interview: 30%**

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the required documents.

The deadline for registration to the offer ends on February 7th 2023, at 12 noon.

The preselected candidates may be requested to send the documentation required in the "Requirements" and "Merits" sections, duly scanned, and may be called to go through selection tests (which might be of eliminatory nature) and / or personal interviews.

Este contrato es parte del proyecto TED2021-129969B-C33, financiado por MCIN/AEI/10.13039/501100011033 y por la Unión Europea "NextGenerationEU"/PRTR

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