

Methodology

Three tasks and their associated methodology will enable these objectives to be achieved:

➤ **Evaluating the hydraulic and depollution efficiency of the demonstrator**

Quantitative and qualitative monitoring of this demonstrator site will make it possible to calibrate and validate models of retention/degradation of micropollutants in this type of structure, which will be transcribed into software to help with the design of this system. Laboratory tests will also be used to characterise the adsorption capacities of other materials, which can then be incorporated into the software.

➤ **Modelling and design assistance tool**

The aim here is to model the flows and stocks of water and pollutants within the prototype in order to assess its operation, analyse the processes involved and adapt the operating conditions for optimum performance. This modelling will facilitate the extrapolation and transferability of the technology to other contexts. The simplified model developed in this way will feed the ORAGE sizing tool (free software) developed as part of the ADEPTE project (<http://www.adepte-pluvial.org/> (<http://www.adepte-pluvial.org/>)) by creating a 'micropollutants' module.

➤ **Environmental and socio-economic impact assessment**

A pre- and post-work assessment will look at the environmental impact of the prototype and its operation on the surrounding ecosystems.

A characterisation and analysis of the stakeholder networks (their knowledge and organisational methods) that will contribute to the (smooth) operation of the system will be carried out in order to better anticipate possible organisational or cognitive obstacles and bottlenecks.