SITE

Issues

The challenge of the demonstration is significant: to show the compatibility between the objectives of biodiversity preservation, heritage conservation, and social well-being with those of water treatment.

The system

The treatment system built in the heart of the Bois de Boulogne is designed to:

- Reduce by 95% the pollutant flows discharged into the Seine through the Bois de Boulogne storm overflow, which collects rainwater from a section of the périphérique (ring road), as well as a portion of the combined sewer overflows from the 16th arrondissement.
- Successfully integrate a sanitation system into a protected wooded site, a highly frequented recreational area, while increasing biodiversity.
- Understand the depollution processes at work in the demonstrator.
- Provide a computational tool to assist in sizing vegetated filters for treating urban rainwater discharges and reducing micropollutants.
- Promote the transferability of the demonstrator to other sites.

Part of the project aims to assess the socio-economic impact of the system in place. This involves analyzing and characterizing the networks of stakeholders who must contribute to the proper functioning of the demonstrator, in order to anticipate potential organizational or cognitive blockages. Tools from the social sciences and life cycle analysis will be used to answer the following questions:

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- How can park users take ownership of this natural object without compromising its proper functioning?