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Is there a specific pollution in sediments of urban stormwater basins?

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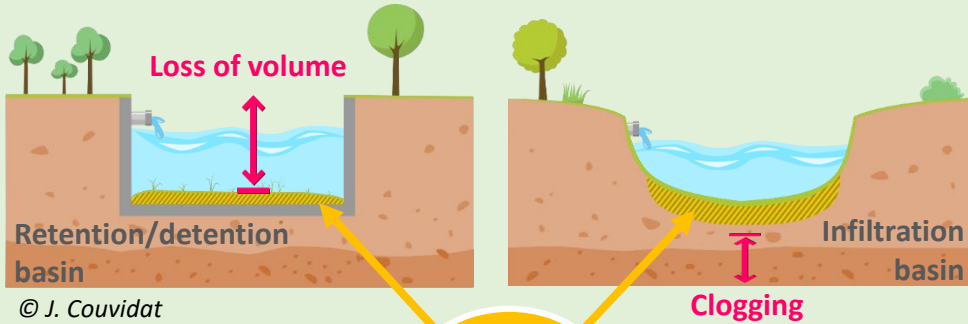
Sediments/stormwater

Is there a specific pollution in sediments of urban stormwater basins?

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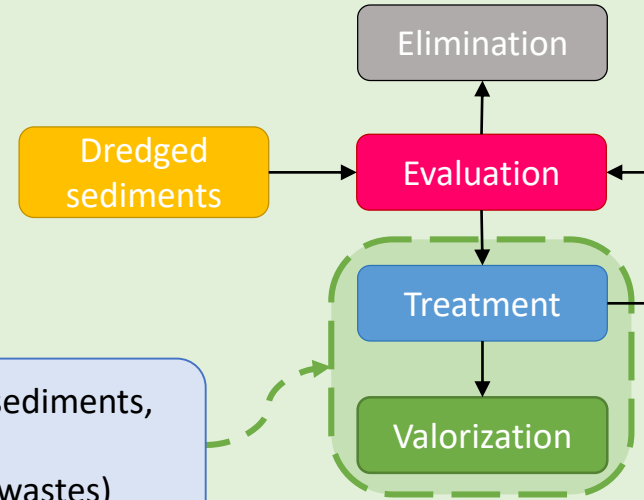
Context: urban stormwater basins accumulate sediments, which need to be adequately managed



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Sediments

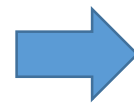
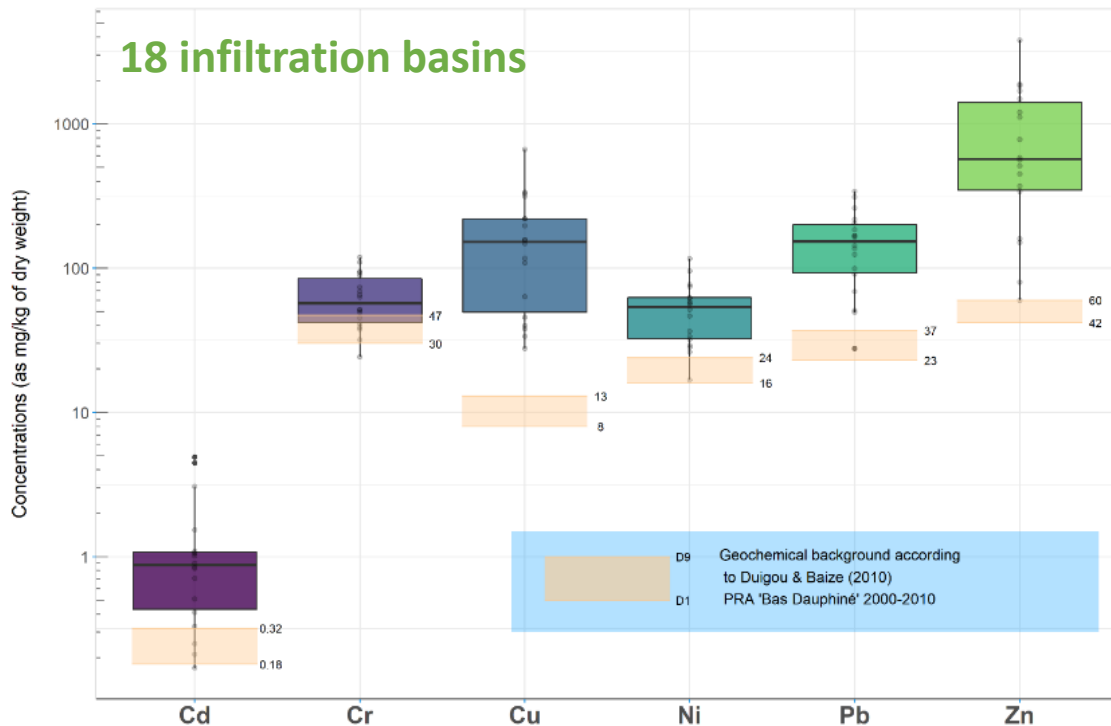
Operational goal: managing sediments, and reducing wastes (i.e. European framework on wastes)



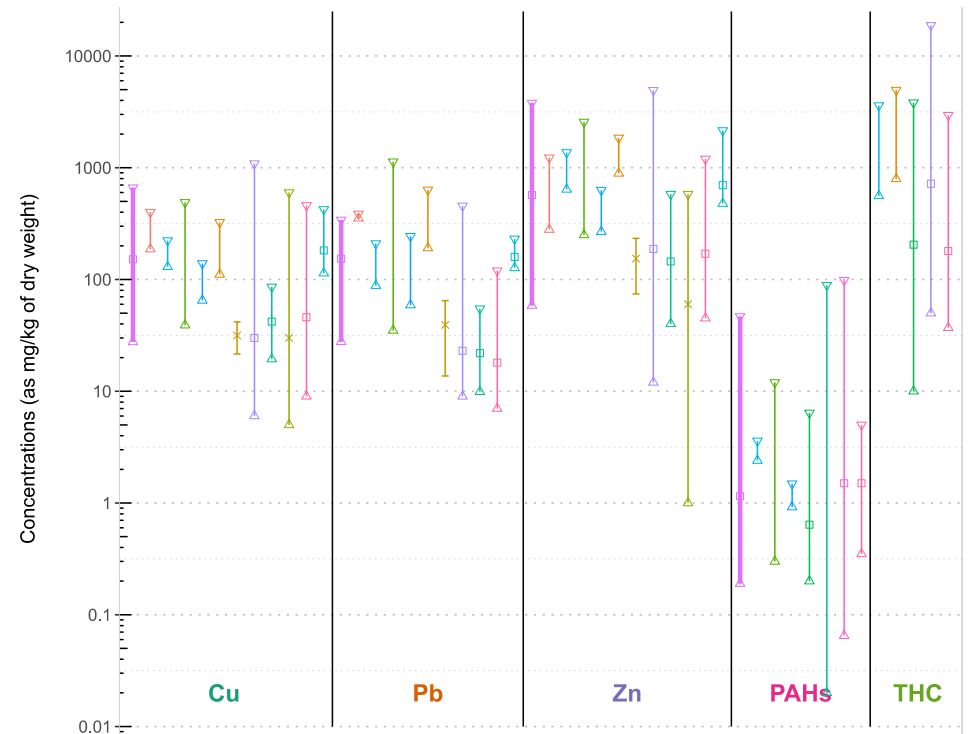
Scientific problems:

- What are the characteristics of urban stormwater sediments?
- Is this material similar to other sediments or urban soils, or is there a specificity?

18 infiltration basins



Compared with literature data (stormwater sediments from different devices/locations)





Sediments/stormwater

→ **DESIR project** – *towards the identification of sustainable management pathways for urban stormwater sediments*

Website : http://www.graie.org/othu/progr_desir.htm

➤ Objectives of DESIR program

1. Summary of knowledge on urban sediments
2. State of the art of management methods
3. Interview of practitioners
4. Treatment/valorization: state of the art only

➤ Contacts

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➤ DESIR scientific problems

- **Characterization** of urban stormwater sediments (physicochemical properties, contaminants)
- Evaluation of the relationship between **land use** and sediments' characteristics
- Putting into perspective urban sediments and **other well-characterized solid materials**
- First approach into the **reactivity** of sediments, and practical consequences on management pathways