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# Global scale approach of socio-environmental stakes and conflicts related to floodplain urbanisation

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## I. Context

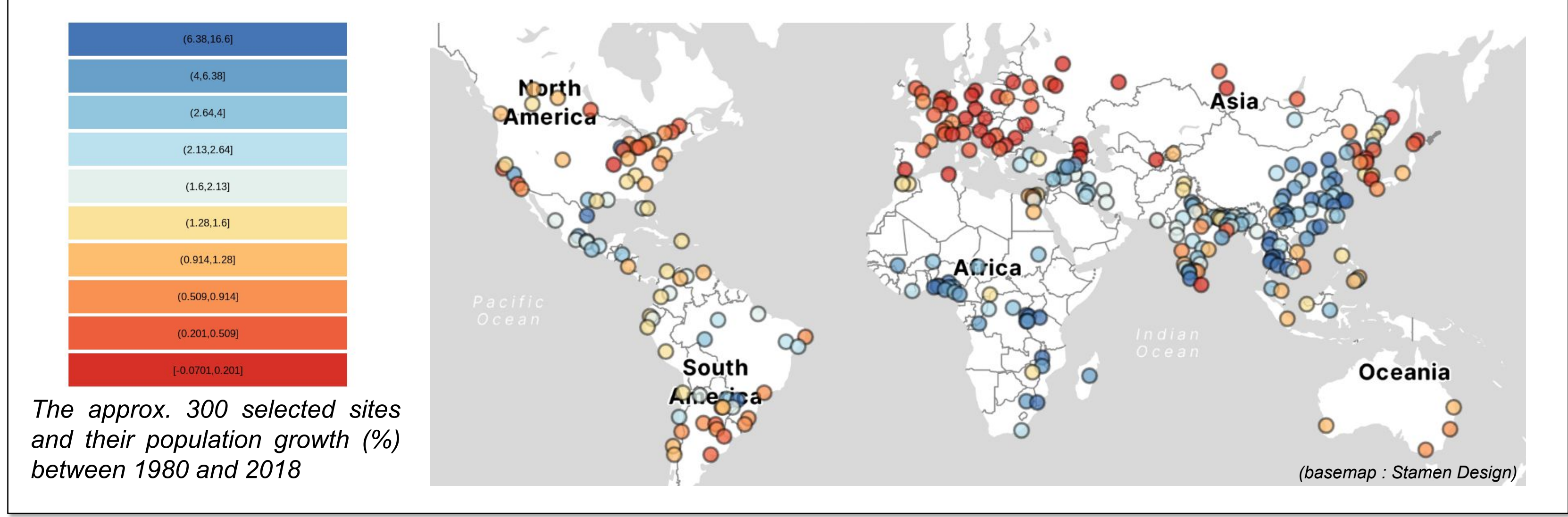
This project is part of an interdisciplinary research program GloUrb, which aims to characterize the **urbanisation process of floodplains** since the 80's.

Floodplains, which can be defined as *"areas of low-lying land that are subject to inundation by lateral overflow water from rivers or lakes with which they are associated"*<sup>1</sup>, are the **"attractors"** and **"fixing"** areas of such global urbanisation.

Floodplain ecosystems are simultaneously vulnerable to socio-environmental transformations and essential to their inhabitants wellness. However, the impact of floodplain urbanisation on humans has been overlooked and **understanding stakes and potential conflicts is needed to promote public debates and discuss potential solutions.**

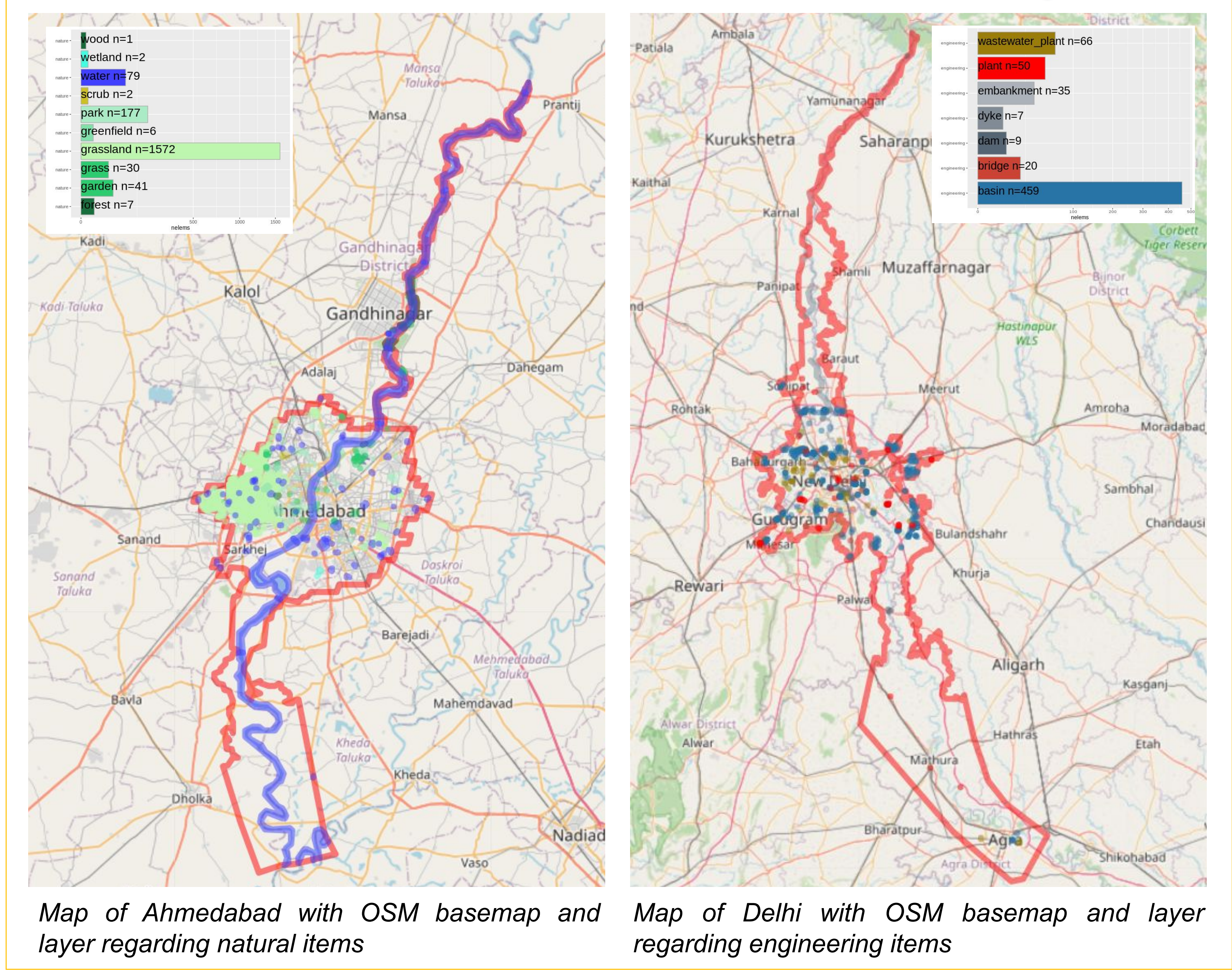
## II. Study sites

- **300 urban agglomerations** of over 300K inhabitants that intersect rivers larger than 30-60 m
- Selection along a **gradient of demographic growth patterns**



## Selection #1 300 sites

- Collection of geospatial data and attributes on :
- **OpenStreetMap** (OSM): food production, engineering, amenities, entertainment, nature
  - **Wikidata**: "dam", "powerplant", "park", "canal", "bridge", etc.



→ Provide a **global scale typology of socio-environmental issues related to floodplains**

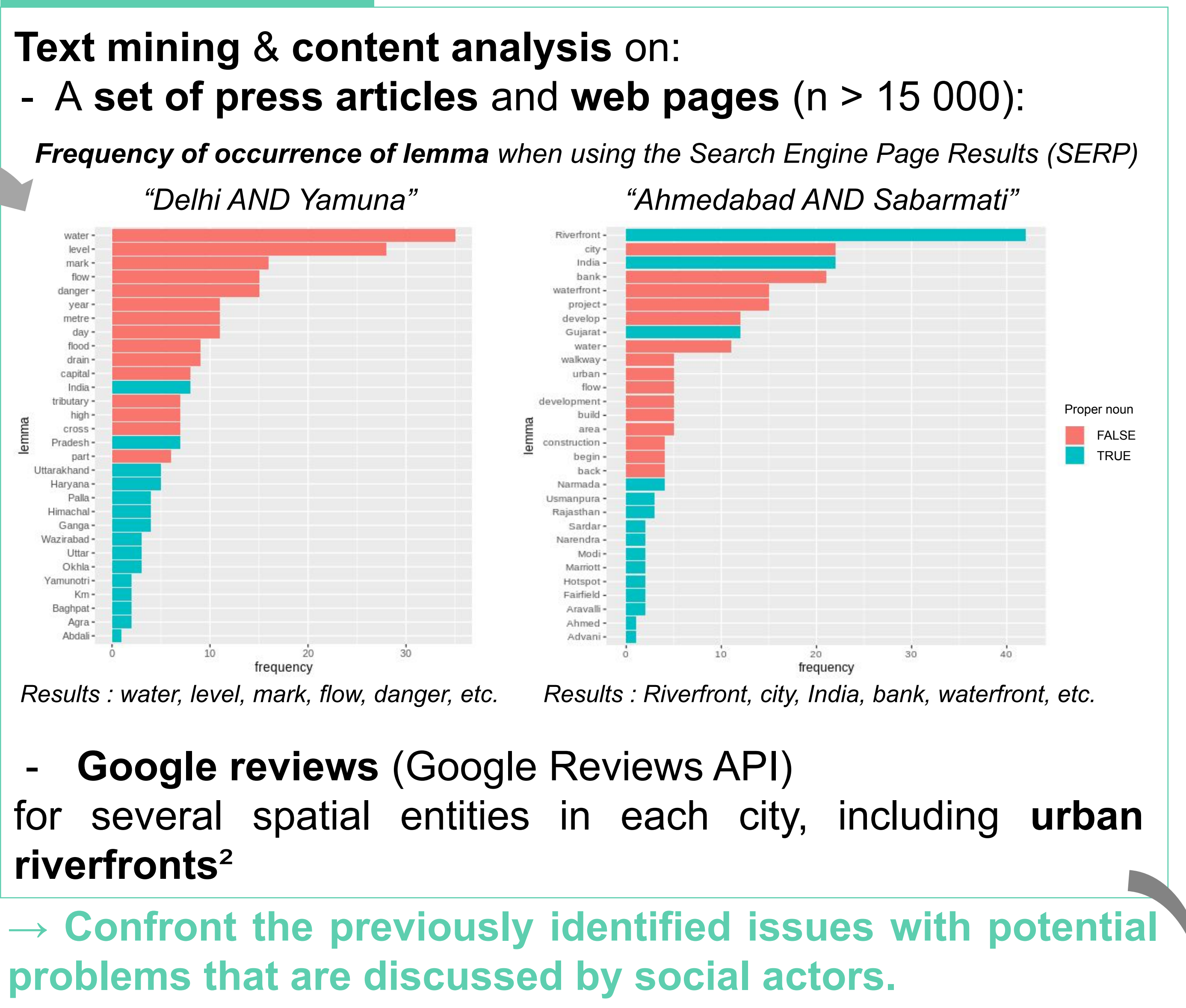
## IV. Outcomes

- **Explore socio-environmental** conflicting situations related to **floodplain urbanisation at local to global scales**
- Understand the diversity of situations and **how urbanisation exacerbates socio-environmental stakes**
- Stimulate **public debate** on floodplain artificialisation in a context of climate change

## III. Material & methods

- Main methodological challenge = using **remotely accessible sources**
  - **Progressive selection** according to a top-down, multi-scale approach
- **From global to local scale**

## Selection #2 50 sites



## Selection #3 3-5 sites

- Selection of **conflicting situations**, which induced public debates and discourses<sup>3</sup> = **case studies.**
- To identify **patterns in institutional and local actors' discourses:**
- Textometric and content analysis on **planning documents**
  - **Semi-structured interviews** with people who contributed to these documents
- 
- The Yamuna Floodplain, in Delhi, a sensitive area in term of conservation

→ **Highlight tensions between the perceived space, the conceived space and the living space**



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