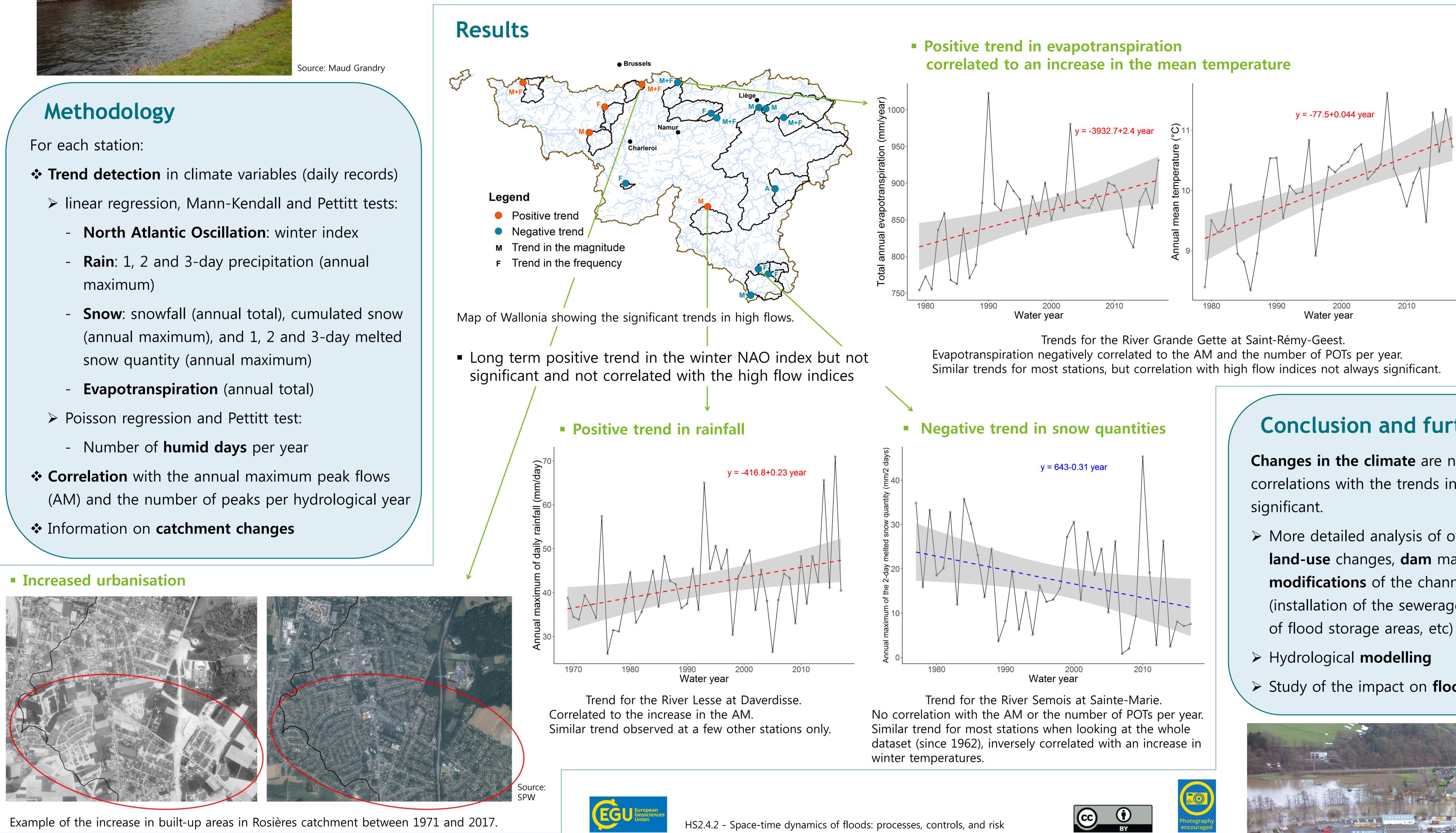
LIÈGE université Gembloux **Agro-Bio Tech**



Context

Changes have been detected in the magnitude as well as in the frequency of high flows: 19% of the sites analysed in Wallonia (16 out of 84 sites) show either a positive or negative trend. This study aims at understanding, for each catchment, how the different **factors** and their combinations **drive** the changes in high flows.

- maximum)
- snow quantity (annual maximum)



High river flows are changing - What are the main drivers in Wallonia (Belgium)?

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Changes in the climate are noticeable but the correlations with the trends in high flows are not all



Influence of the installation of the sewerage network Sewage treatment wor **Gauging station** Sewerage

network

connected

to the STW

"By-pass" of the Saint-Rémy-Geest gauging station by the sewerage network for a large proportion of the wastewater and rainwater of the catchment since 2004.

Conclusion and further works

 \succ More detailed analysis of other potential drivers: land-use changes, dam management, other human **modifications** of the channel and the catchment (installation of the sewerage network, construction

> Study of the impact on **flood risk management**