

Material and methods

Methods

• Daily water balance model 'The GreenRoof model' (Raes et al., 2006)

Meteorological data

- A 'normal['] year 1997 (*Psum*=591.1 mm);
- Pdaily (RHMSS,-);
- Monthly ET0 (Gocić&Trajković, 2010, 2014).

Roof characteristics

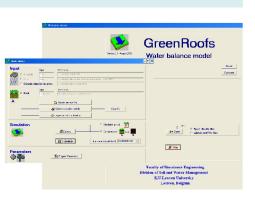
- Flat roof, pitched roof as it was/is
- Green roof Manufacturesr specification (Optigruen, 2021).

Program parameters

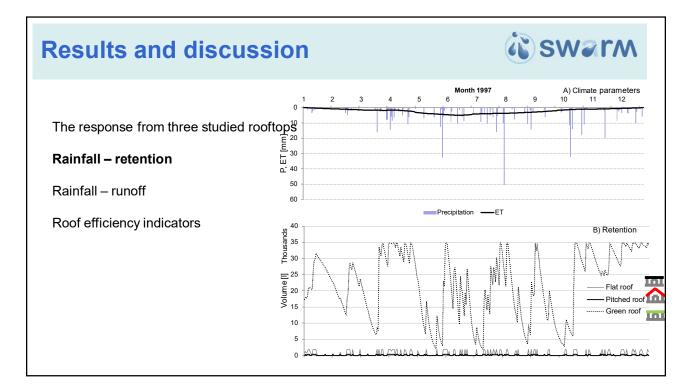
- The substrate standard depth for flat RG = 7cm
- Standard correction for fully exposed roofs

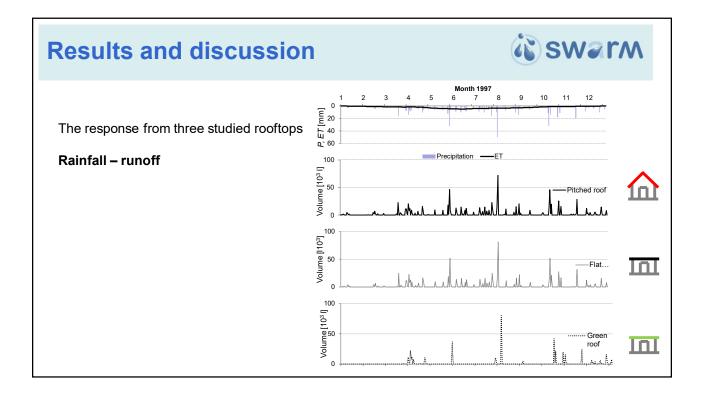
Simulation

- Period: 01.01.-31.12.
- The initial water content on the roof moderately wet conditions



SWarm





is swarm **Results and discussion** The response from three studied rooftops Roof efficiency indicators in the year 1997. 俞 1111 m Min. precipitation triggering runoff [mm] (2.2) 0.3 1.2 Max. number of days without runoff 83 17 32 Max daily runoff volume [1.103] 72.0 80.5 81.7 Runoff coefficient 0.95 (0.43) 0.82

