

Volkswagen-Stiftung funded CAWR-Project (TUD, UFZ, Lomonosov Moscow State University (Russia) and Ukrainian Hydrometeorological Institute (Ukraine))

### Aims:

- Setting the basis for an Integrated Water Resources Management (IWRM)
- Foster trilateral dialogue and cooperation between the EU, Russia and Ukraine

### Methods:

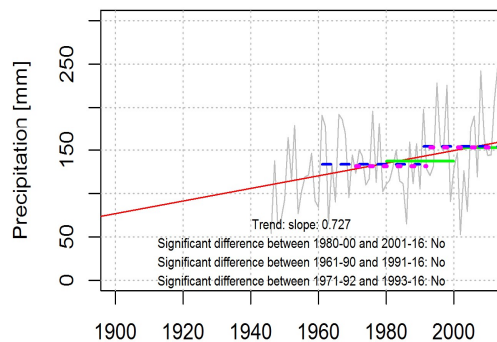
- Transnational river basins Western Bug, Desna, Western Dvina (figure left) with severe water quality problems
- Assessment of the status quo and set up a meta-data base
- Addressing transnational data consistency, scarcity and completeness
- Identification of strategies towards a sustainable water management



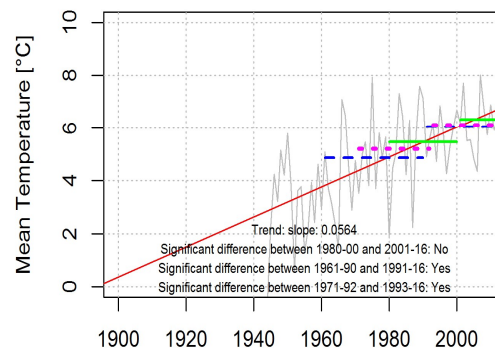
## First results

- Assessment of the hydrological, hydro-morphological, geochemical and ecological state of the rivers and their basins
- Identification of important stressors onto the water system
- Set up of hydrological models applying SWAT in Wester Dvina and Desna basin addressing water quantity, water quality and erosion
- First assessment of climatological and hydrological change in the region
- Identification of research needs

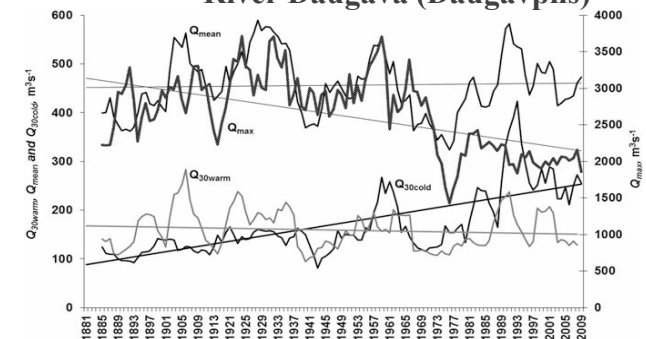
SMOLENSK (Stat-ID: 267810) - Spring



SMOLENSK (Stat-ID: 267810) - Spring



River Daugava (Daugavpils)



Changes in precipitation, temperature (Russian station) and discharge (Latvian station )