

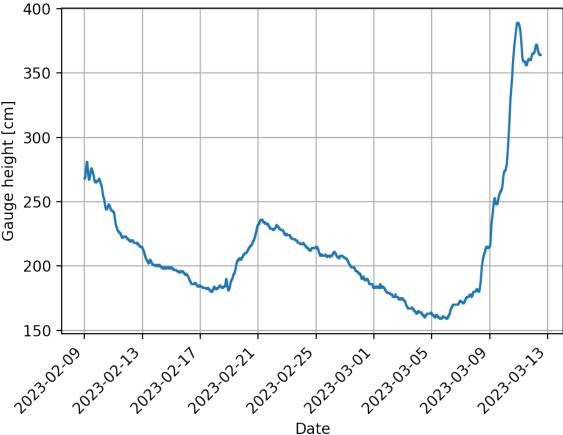


Water Gauge Prediction

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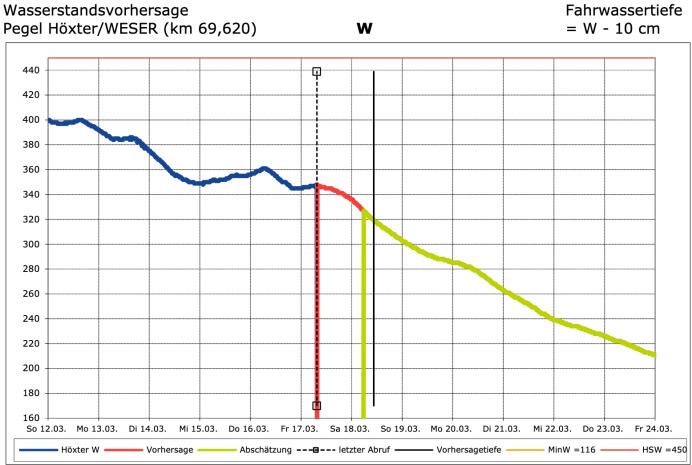




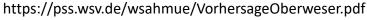
Axel Hindemith



Prediction - established



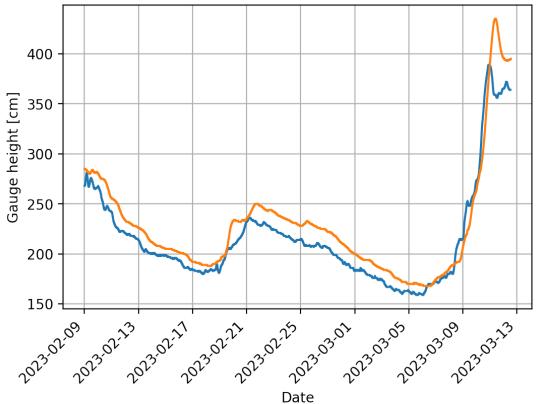
- calculated according to flow rates
- Precipitation is only received in the area of the Fulda and Werra rivers
 - No precipitation in the area between
 - Wave running speed only estimated
- No real time







Prediction — similar to established

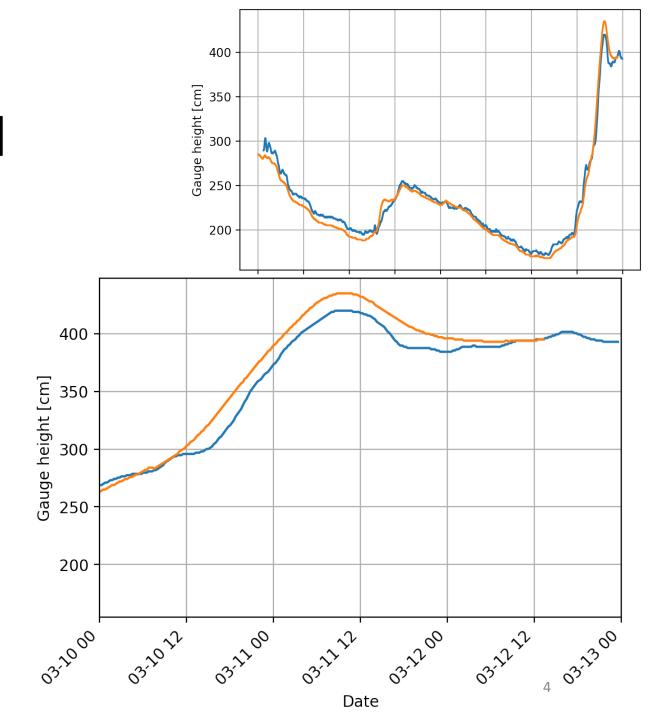


Gauge Hann-Münden (km=0) Gauge Höxter (km=69)











- The hydrographs on the slides were calculated with data from the Weser river basin. These can be downloaded from <u>https://www.pegelonline.wsv.de</u> for free. However, you can also take data from any source.
- 1. Read in a hydrograph and graph it.
- 2. Read in a hydrograph of a second gauge of the same river. Try to determine the flow velocity from flood waves.
- 3. Develop a programme that superimposes two hydrographs to determine the flow velocity.
- 4. Determine how good the prediction of the water level is.

