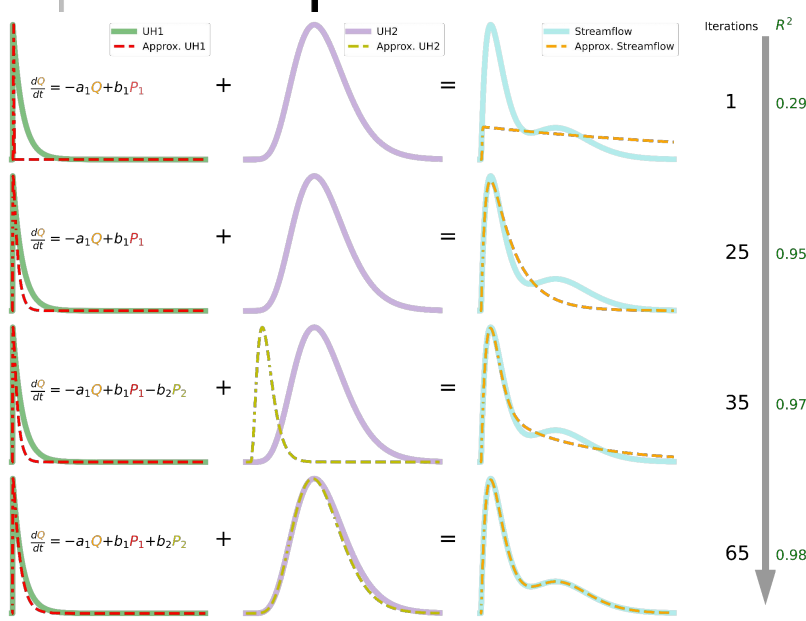
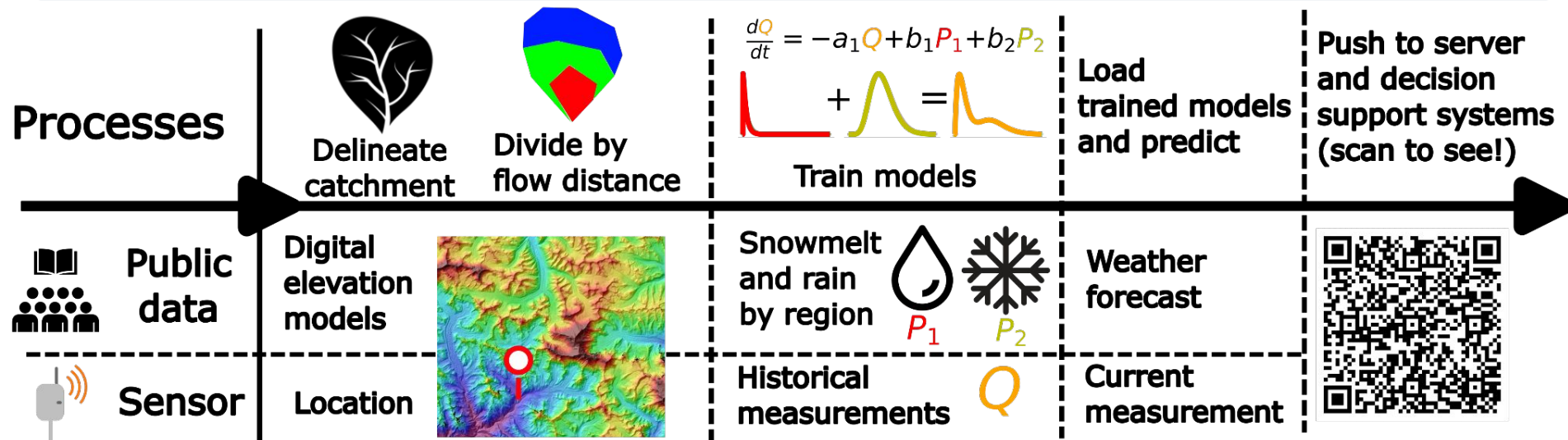


Creating understandable rainfall-runoff models anywhere with a sensor



Motivation

- Process-based models aren't designed to ingest real-time data
- Machine learning approaches require tons of data and are hard to interpret

Method

- Precipitation is transformed to estimate the unmeasured parts of the watershed (e.g. soil moisture)
- These estimates and streamflow data are used to learn a differential equation model

Travis Adrian Dantzer, Branko Kerkez
Scan QR code for details on method →

