

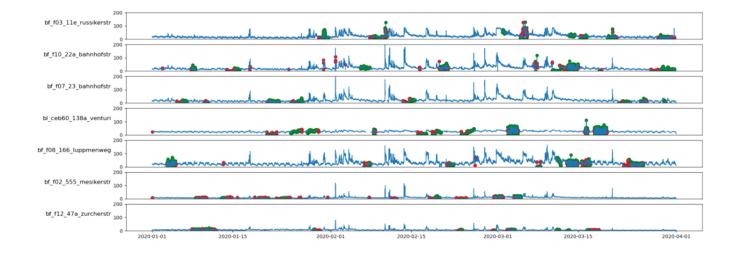
Workshop Sharing Flow and water level data

Jörg Rieckermann (Eawag)

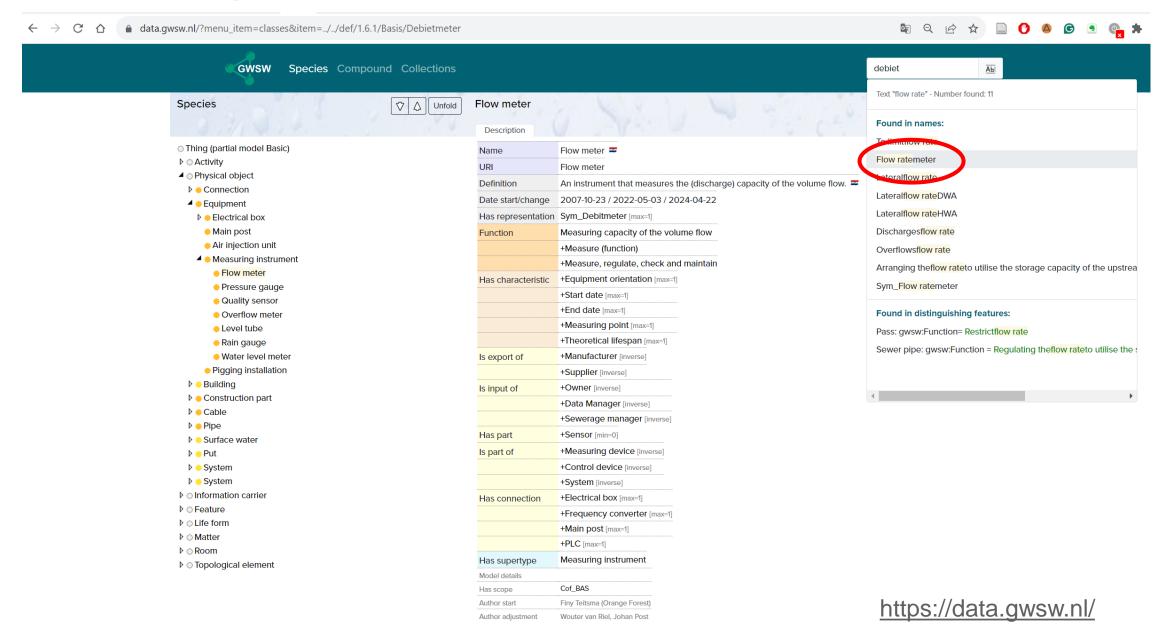
Science that matters

Why?

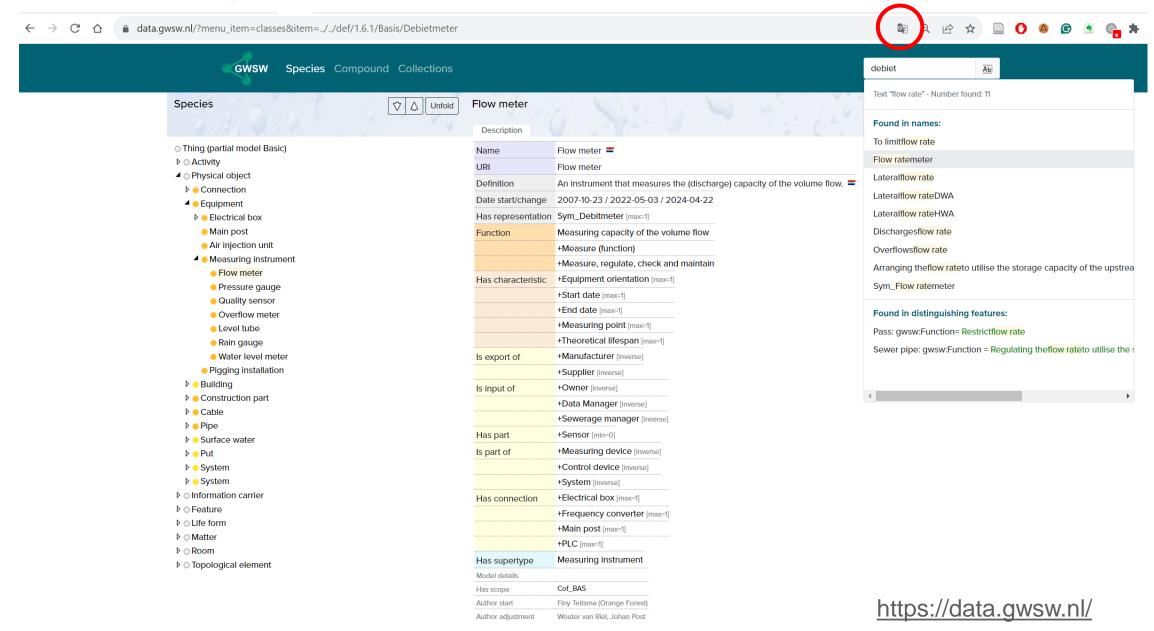
- Re-use data
- Use case: Machine learning
 - Anomaly detection
 - Data-driven rainfall-runoff modeling?
 - Catchment attributes
 - Rainfall
 - •



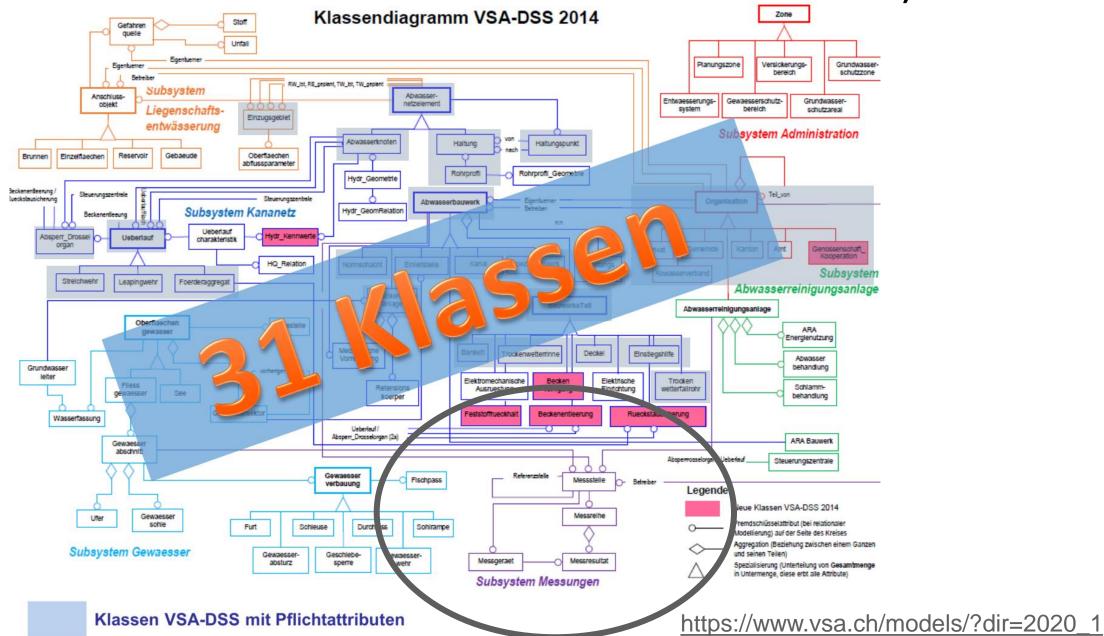
GWSW (The Urban Water Data Dictionary, NL)



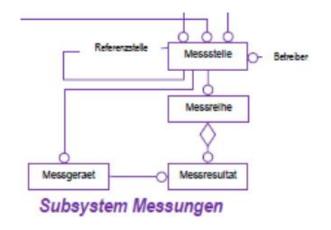
GWSW (The Urban Water Data Dictionary, NL)



VSA-DSS (data structure Urban drainage, CH)

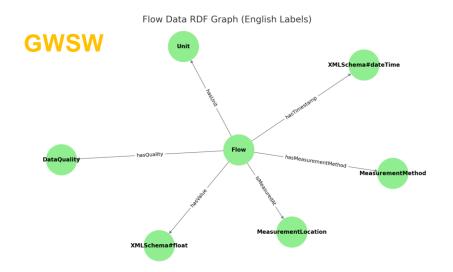


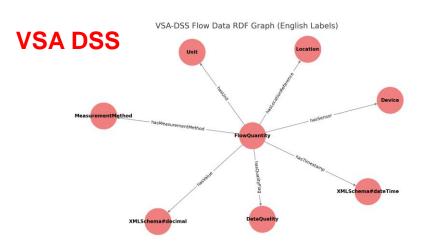
VSA-DSS (data structure Urban drainage, CH)



- Messreihe = the time series container.
- Messart = Durchfluss = defines what is being measured.
- Messgeraet_Durchfluss = the physical instrument generating the data.
- Messstelle = the spatial context (where).
- Messresultat = the individual value entries in the series.

Current status: common attributes





GWSW	VSA-DSS
debiet	Wert (in Messresultat)
debietEenheid	Dimension (in Messreihe) / Einheit (implicit in Wert)
(in Meetgegevens)	Zeit (in Messresultat)
meetpunt	Messstelle
debietType	Messart (Durchfluss)
equipmentOrientation	Art (in Messgeraet) + orientation inferred
startdatum	-
einddatum	-
theoretischeLevensduur	-
(Debietmeter class)	Art (in Messgeraet)
(not in Debietmeter)	Fabrikat (in Messgeraet)
(not in Debietmeter)	Seriennummer (in Messgeraet)
-	Messreihe with Art + Dimension
(in Meetpunt)	Lage (in Messstelle)
(not specified)	Zweck (in Messstelle)
(not specified)	Staukoerper (in Messstelle)
implicit	implicit
implicit	implicit
implicit	implicit
	debiet debietEenheid (in Meetgegevens) meetpunt debietType equipmentOrientation startdatum einddatum theoretischeLevensduur (Debietmeter class) (not in Debietmeter) - (in Meetpunt) (not specified) (not specified) implicit implicit