









für Wasser, Mensch und Umwelt

MuDak-WRM

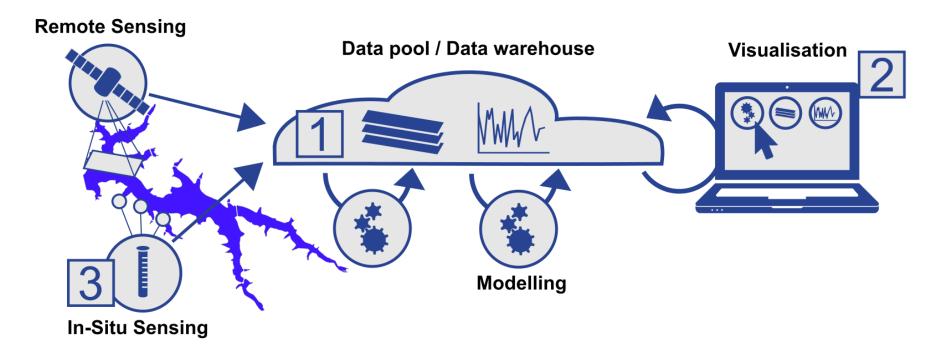


- Numerous models vor hydrological ecosystems
 - complex und data intensive
 - low data availability
 - limited adaptability
- model for water quality
 change prediction in reservoirs
- Trade-off among less
 key-parameters and reliability
- Key-parameters should be mostly derived from remote satellite sensing



Passauna reservoir, Curitiba, Brasil



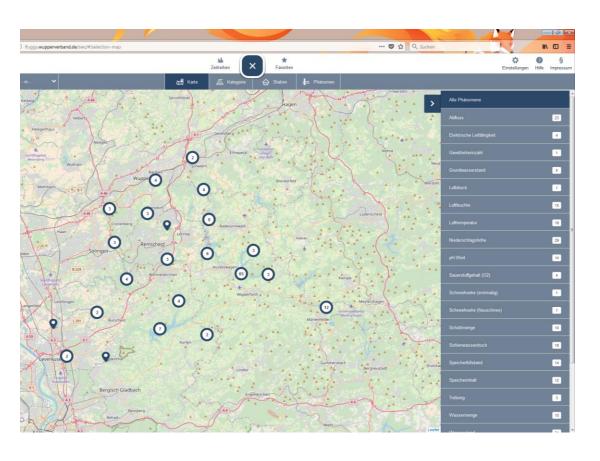


- 1 Development of components for interoperable data communication
- 2 Fürther development of components for measure data visualisation
- 3 Integration of samplings and satellite images with the Sensor Web

Our operative Sensor Web since 15 years

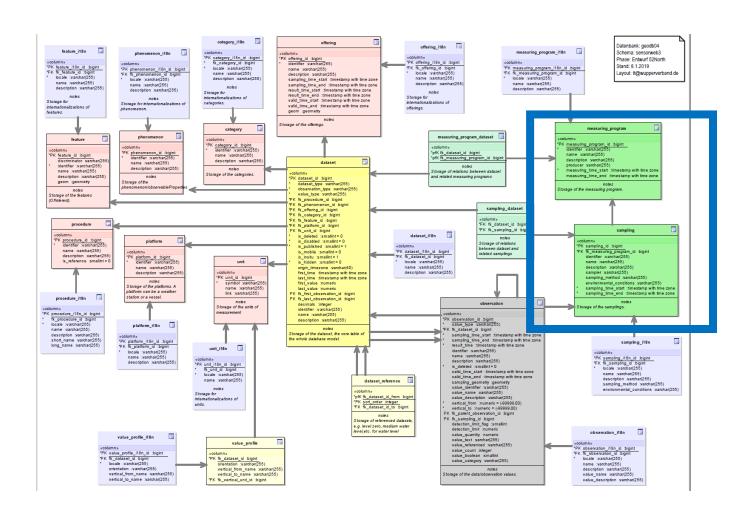


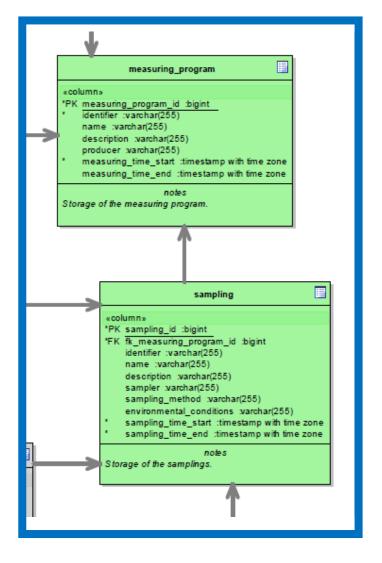




Simple Measurements and SensorThings API

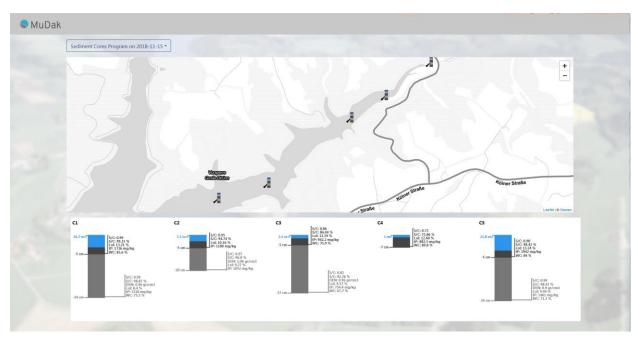
Samplings and Measuring Programs

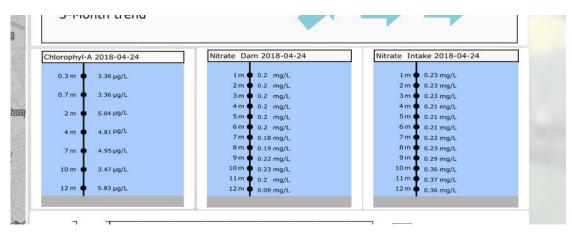


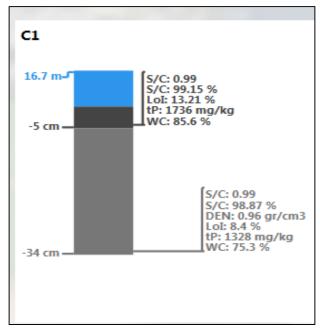


Samplings and Measuring Programs

sos3/api/samplings sos3/api/samplings/13999 sos3/api/measuringPrograms sos3/api/measuringPrograms/231















Requirements

KEEP IT SIMPLE, STUPID

use the Sensor Web without realising it.

A	4	В	С	U	E	F	G
#META							
EQUIPMENT	Used	equipment for data collection (UNKNOWN, Several, U-50P	C, etc.).				
PRODUCER	Produ	ucing organization of data (UFPR, Trios, e.g.)					
CONTACT	Email	il address of the person, who should be contacted in case of	questions				
AUTOMATIC	NULL	_					
TIMEZONE		3/UTC-2/UTC+1/UTC+2					
SOURCE_DATA	These manu	e very sheets were generated from raw data, which is in a ufacturers data format. Most of the original data should be					
COMMENT	Any fu	urther describing comments to this dataset.					
,							
0 #VALUES							
1 SITE_ID	WGS	S84_LAT	WGS84_LON	DATE	TIME		MEASURE_PARAM_(UNIT
				Collection date.	Collection time. Hh:mm:ss.		measure param as readable as possible. Unit in parenthesis. Example
2 Measures with same site 3	e id are grouped. Latitu	ide	Longitude	YYYY-MM-DD	unknown.	surface	WINDSPEED_(m/s)
4							
5							1

Considers:

- Simple Measurements
- Profile Measurements
- Trajectories
- Profile Trajectories
- Samplings (Multiple phenomena measure parameters at a single location)

