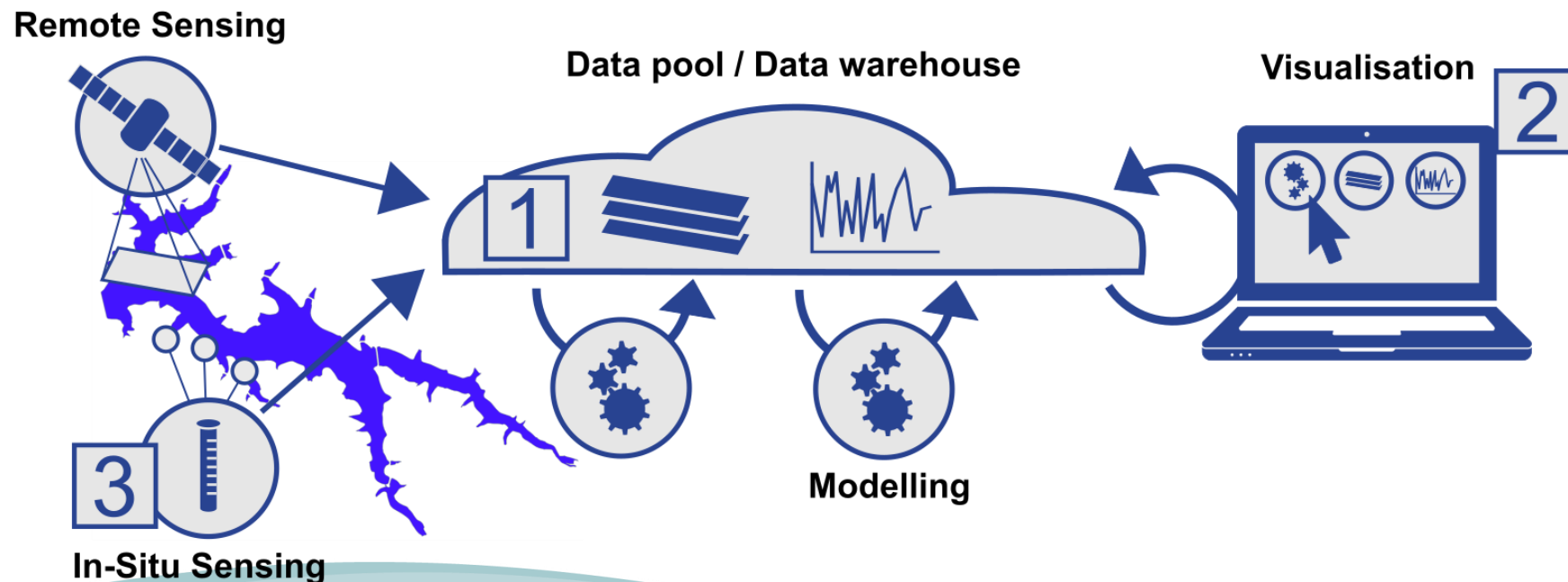


Integration of Raster Time Series with the Sensor Web

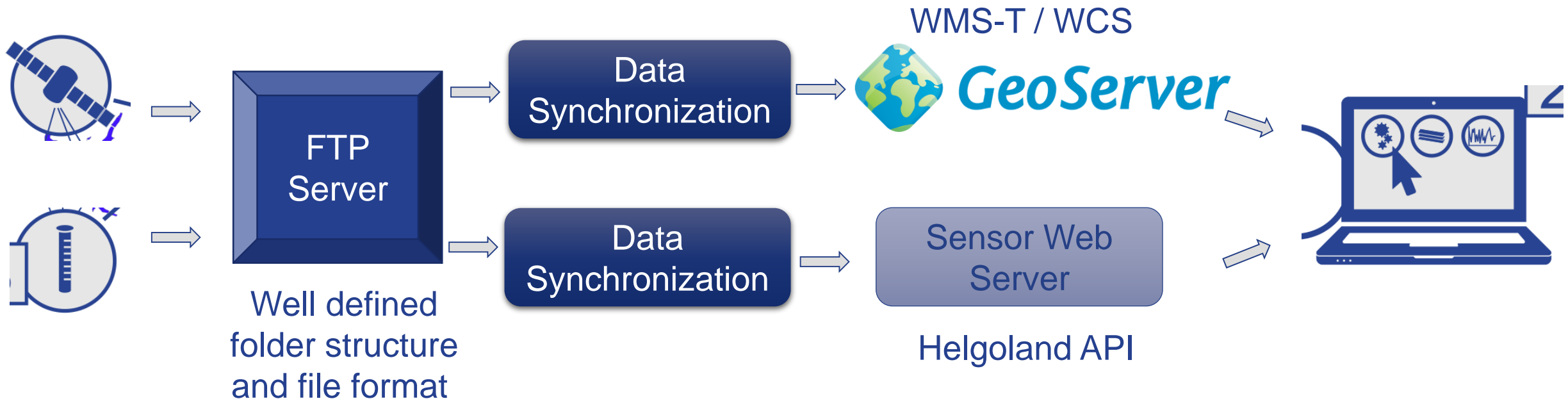
C. Malewski
(Wupperverband)

Motivation

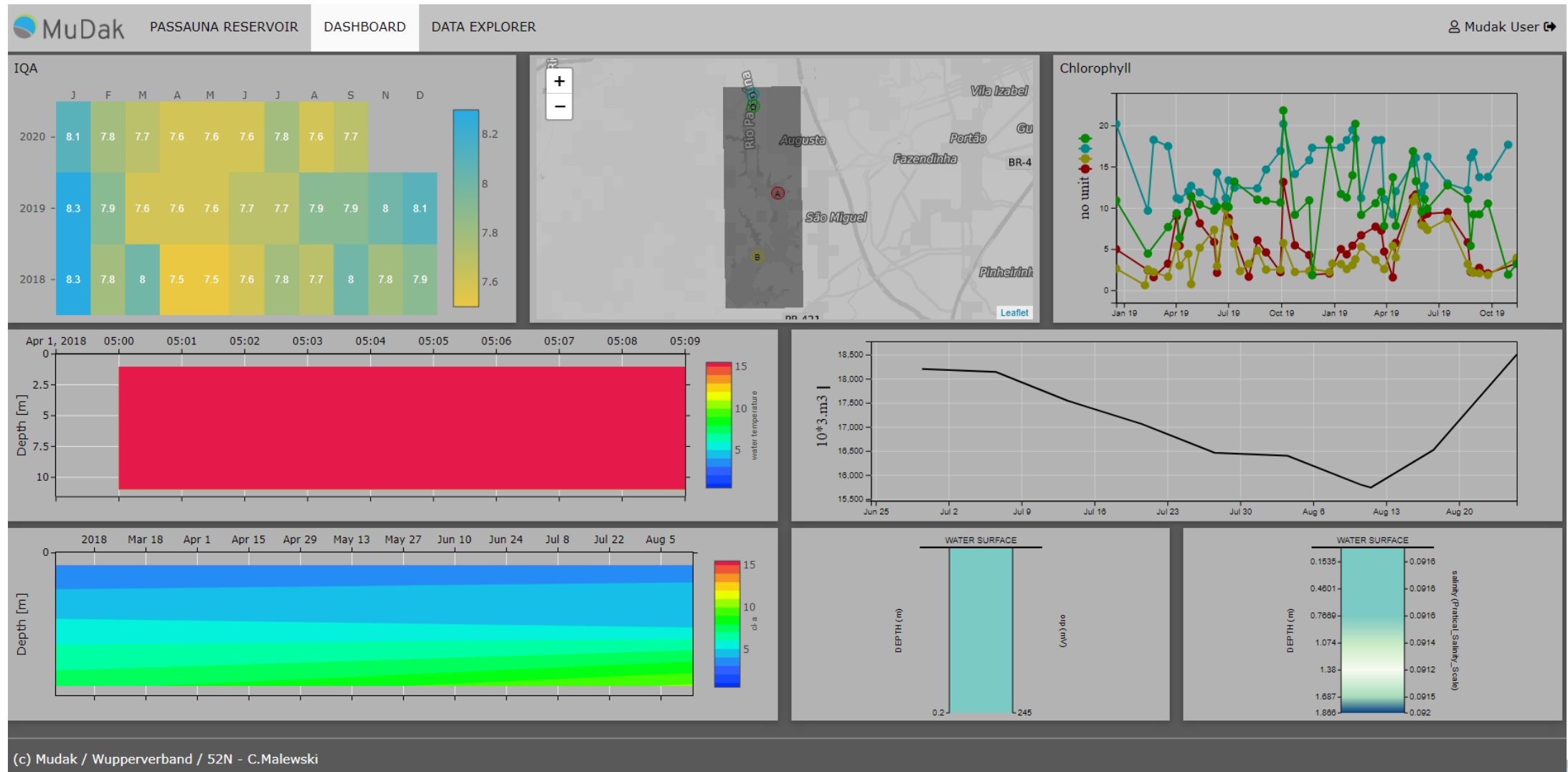
- Numerous models vor hydrological ecosystems BUT: **low data availability**
- Trade-off among less key-parameters and reliability
- Derivce key-parameters mainly from remote satellite sensing



Project Data Flow



MuDak-Client - Dashboard



MuDak-Client - Dashboard

MuDak
PASSAUNA RESERVOIR
DASHBOARD
DATA EXPLORER

+
-

Selected 1/1137

Parameters ▼

- cl-a
- cod saceq
- codeq
- conductivity
- cu
- density
- dissolved oxygen saturation

Producers ◀

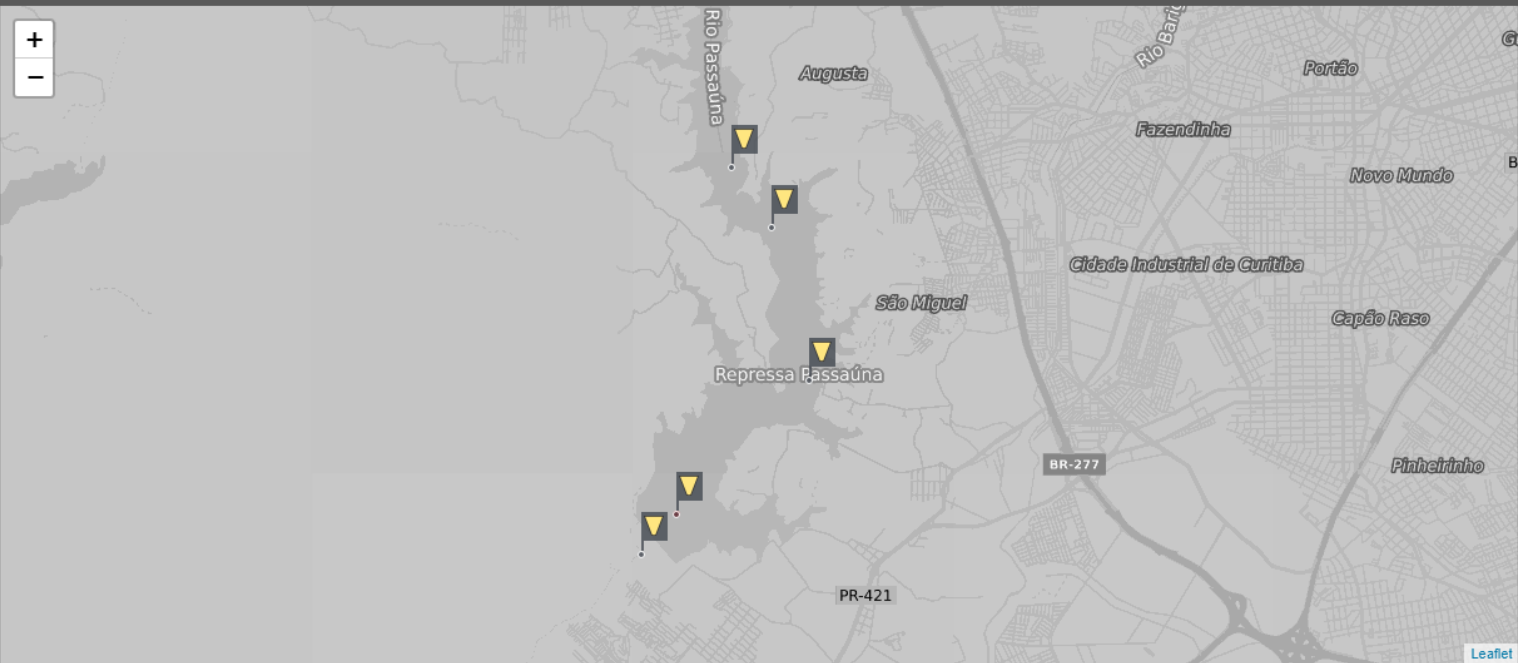
Filter ▼

- AUTO
- SAMPLINGS
- Profiles
- Simple

Remote Sensing ▼

- great-dhuenn--dam rgb eftas no unit
- passauna chlorophyll eftas no unit
- passauna sediment kit-sww no unit
- great-dhuenn--dam albedo eftas no unit
- great-dhuenn--dam chlorophyll eftas no unit

Modells

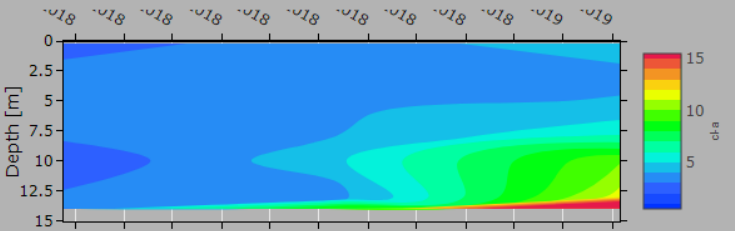


Label
CL-A LAB-RAW, DAM, DEFAULT
Download
Share
Refresh

Parameter	Unit
CL-A	µg/l
station	producer
DAM	UFPR
1st observation	last observation
2018-02-21 03:59	2019-02-05 04:00
1st value	last value
Type	ID
sampling	mudak-sos/_589

Depth [m]

0
2.5
5
7.5
10
12.5
15



15
10
5
0



MuDak-Client - Dashboard

MuDak PASSAUNA RESERVOIR DASHBOARD DATA EXPLORER

Selected 1/1137

Parameters

- cl-a
- cod saceq
- codeq
- conductivity
- cu
- density
- dissolved oxygen saturation

Producers

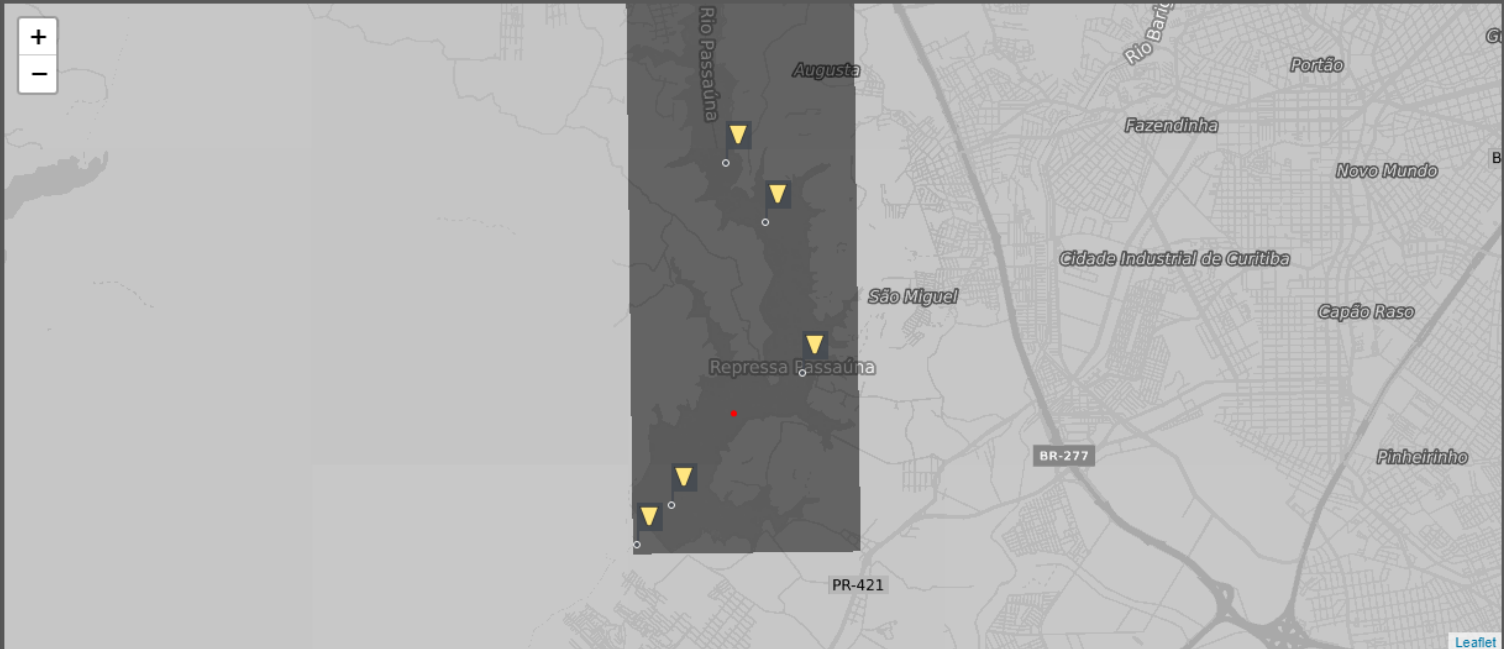
Filter

- AUTO
- SAMPLINGS
- Profiles
- Simple

Remote Sensing

- great-dhuenn--dam rgb eftas no unit
- passauna chlorophyll eftas no unit**
- passauna sediment kit-sww no unit
- great-dhuenn--dam albedo eftas no unit
- great-dhuenn--dam chlorophyll eftas no unit

Modells



PR-421

PR-277

BR-277

Leaflet

Id
MUDAK-WRM:PASSAUNA_EFTAS_CHLOROPHYLL

Parameter
CHLOROPHYLL

Unit
no unit

Producer
EFTAS

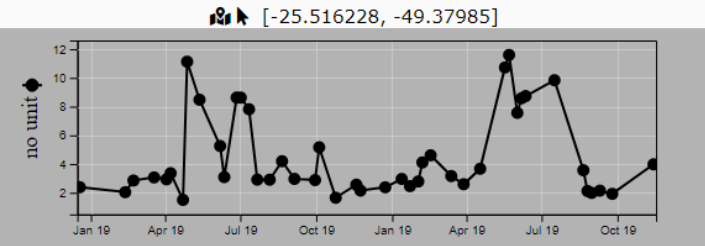
Feature
PASSAUNA

1st observation
2018-01-05

Date
2019-12-01 02:22:31

last observation
2019-12-01

Opacity



[-25.516228, -49.37985]

Month	Chlorophyll Concentration (no unit)
Jan 19	2.5
Feb 19	2.0
Mar 19	3.0
Apr 19	3.5
May 19	10.5
Jun 19	5.0
Jul 19	8.5
Aug 19	3.0
Sep 19	5.0
Oct 19	2.0
Nov 19	2.5
Dec 19	11.0
Jan 20	8.0
Feb 20	3.0
Mar 20	4.5
Apr 20	2.5
May 20	10.0
Jun 20	9.5
Jul 20	2.0
Aug 20	2.5
Sep 20	4.0

