

Swiss Data Cube - Earth Observations for monitoring the environment of Switzerland in space and time

Start Date: January 2017

End Date: on-going

Objectives:

The main objectives of the Swiss Data Cube (SDC) is to support the Swiss government for environmental monitoring and reporting and enable Swiss scientific institutions (e.g., Universities) to facilitate new insights and research using the SDC and to improve the knowledge on the Swiss environment using EO data.

Description:

EO Data Cubes (DC) are a new paradigm aiming to realise the full potential of EO data by lowering the barriers caused by these Big data challenges and providing access to large spatio-temporal data in an analysis ready form.

The main objectives of the Swiss Data Cube (SDC) is to support the Swiss government for environmental monitoring and reporting and enable Swiss scientific institutions (e.g., Universities) to facilitate new insights and research using the SDC and to improve the knowledge on the Swiss environment using EO data.

Outputs/Results:

Data Cube with 33 years of measurements (1983-2017); Landat 5,7,8 - Sentinel 2 A/B; 10/30 meters resolution; 6500 images; 4 TB of data; various demo applications & products for environmental monitoring (see: <http://www.swissdatacube.org>)

Link(s):

<http://www.swissdatacube.org>