

Architectural requirements for forest monitoring data integration in EnviDat



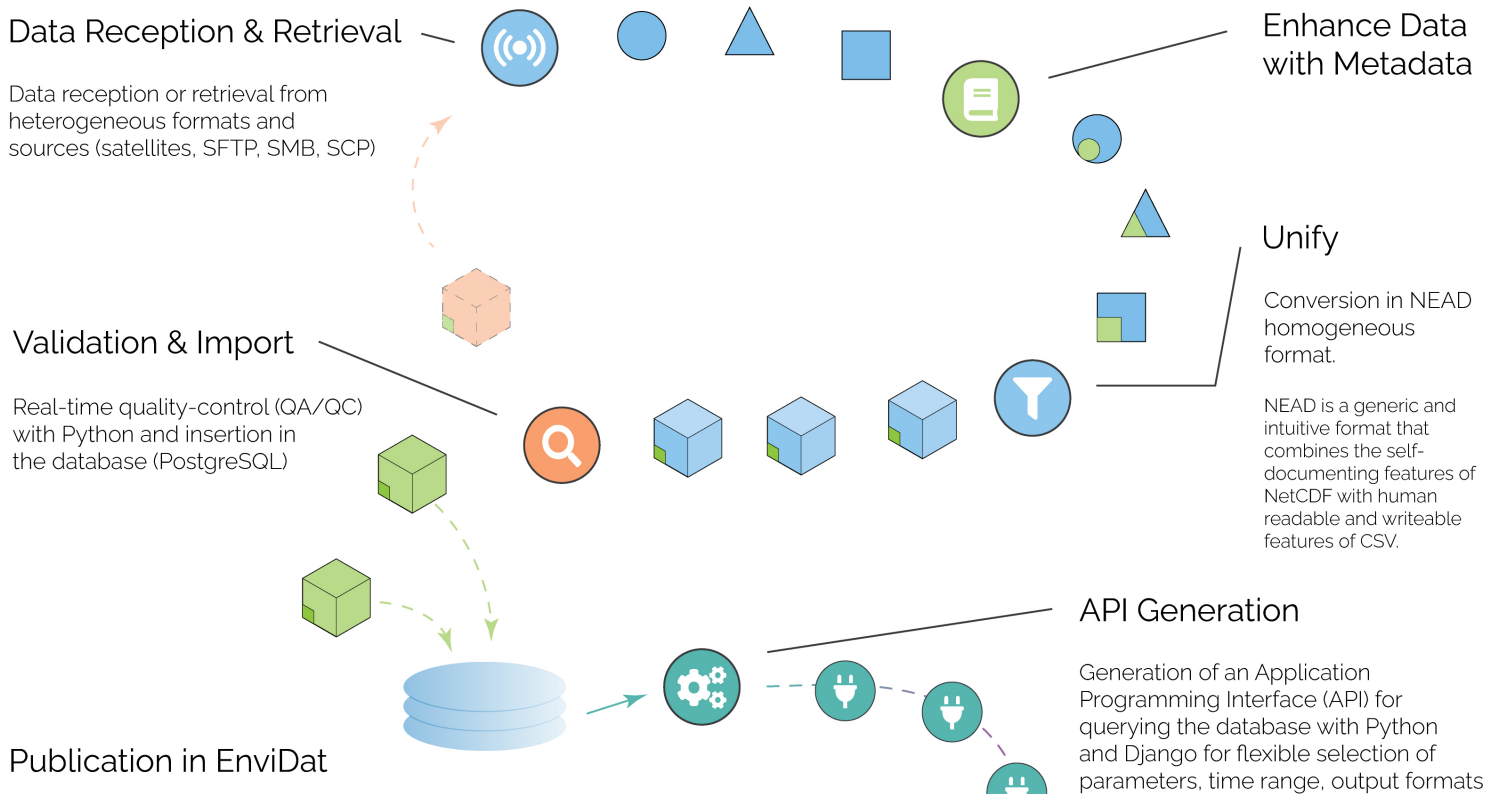
Ionuț Iosifescu Enescu*, Matthias Häni*, Gian-Kasper Plattner*, Dominik Haas-Artho*, Rebecca Buchholz*, Konrad Steffen (†)*, **, ***



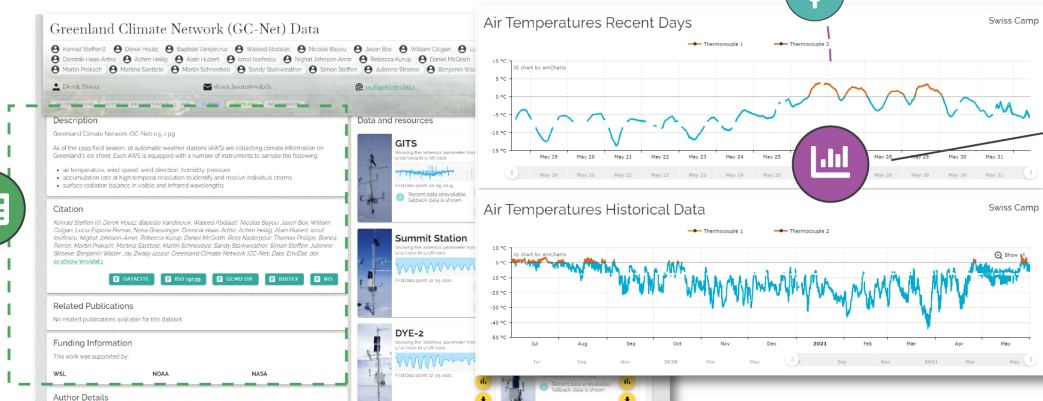
* The Swiss Federal Institute for Forest, Snow and Landscape Research, ** School of Architecture, Civil and Environmental Engineering, EPFL
 *** ETH Zurich, Department of Environmental Systems Science, (†) deceased.

EnviDat is the environmental data portal of the Swiss Federal Research Institute WSL. It focuses on the publication of research data and facilitates the access to WSL's wealth of long-term monitoring data from a wide range of environmental topics, including data from forest research and related fields.

In the process of defining the software needed for the integration of real-time monitoring data in EnviDat, we have identified a number of core architectural requirements. The development of this architecture will substantially benefit and enable the integration of monitoring data from a range of WSL projects and programs, including the Swiss Long-term Forests Ecosystem Research Program (LWF).



Publication with proper metadata description for the data



Visualization in charts

Charts consuming data directly from the generated API

