

# Operational Production with H-TEP

TERRAUE  
Advancing Earth Science

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Abuja, Nigeria  
12 February 2020

*Abuja, Nigeria, ENVISAT, 01 Feb 2008*

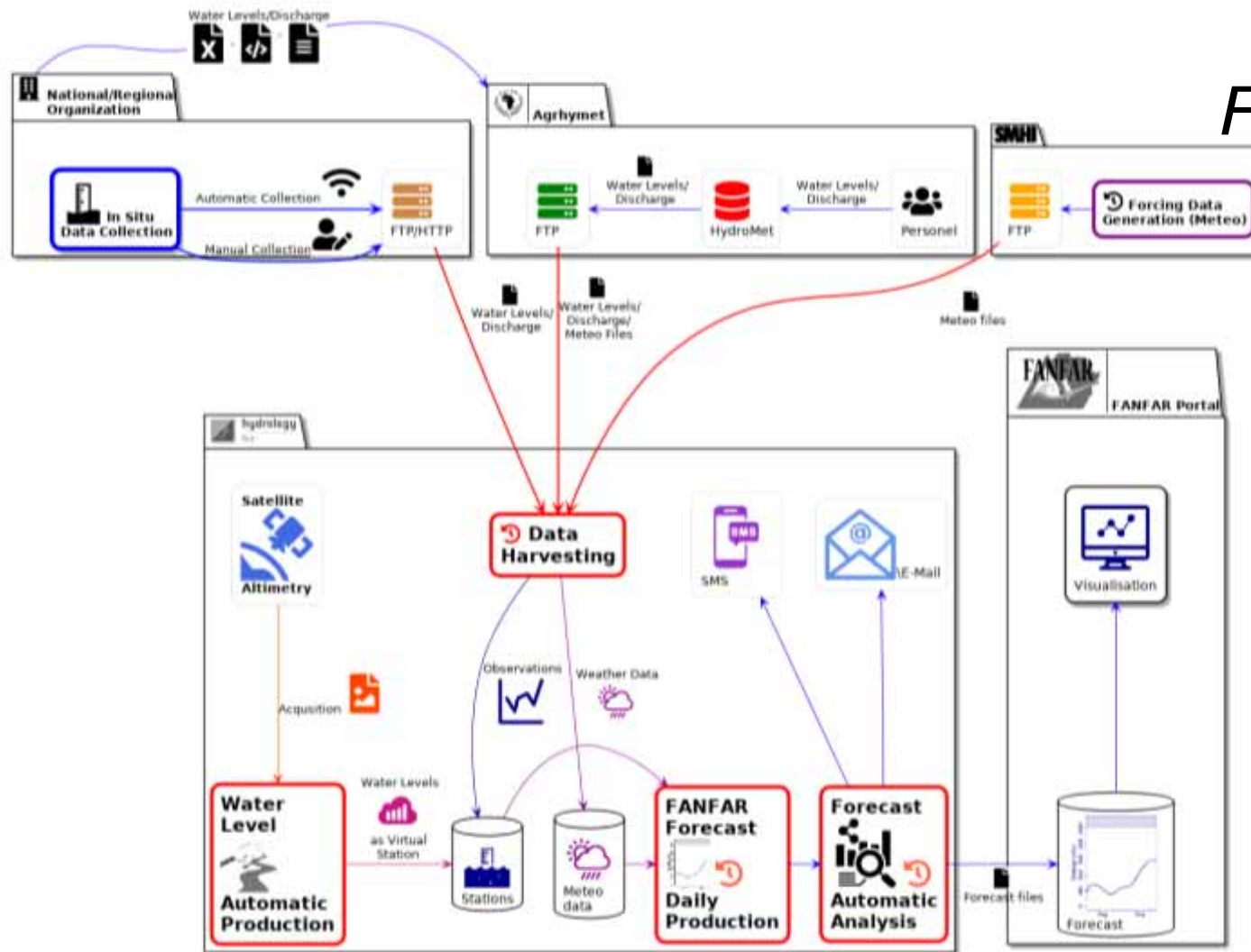


*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780118*



# Data Flow

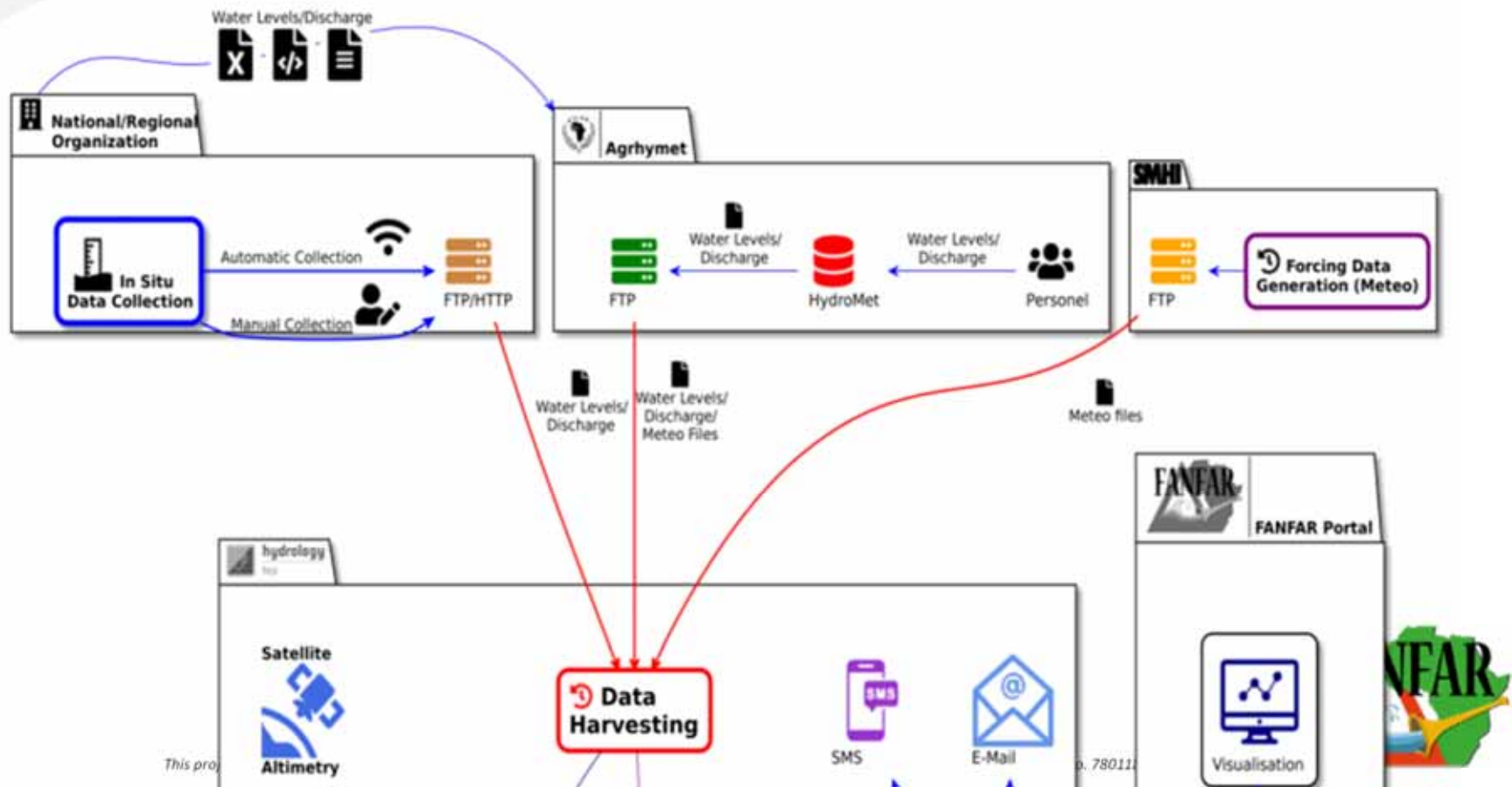
## *Flux de données*



**Operational System**

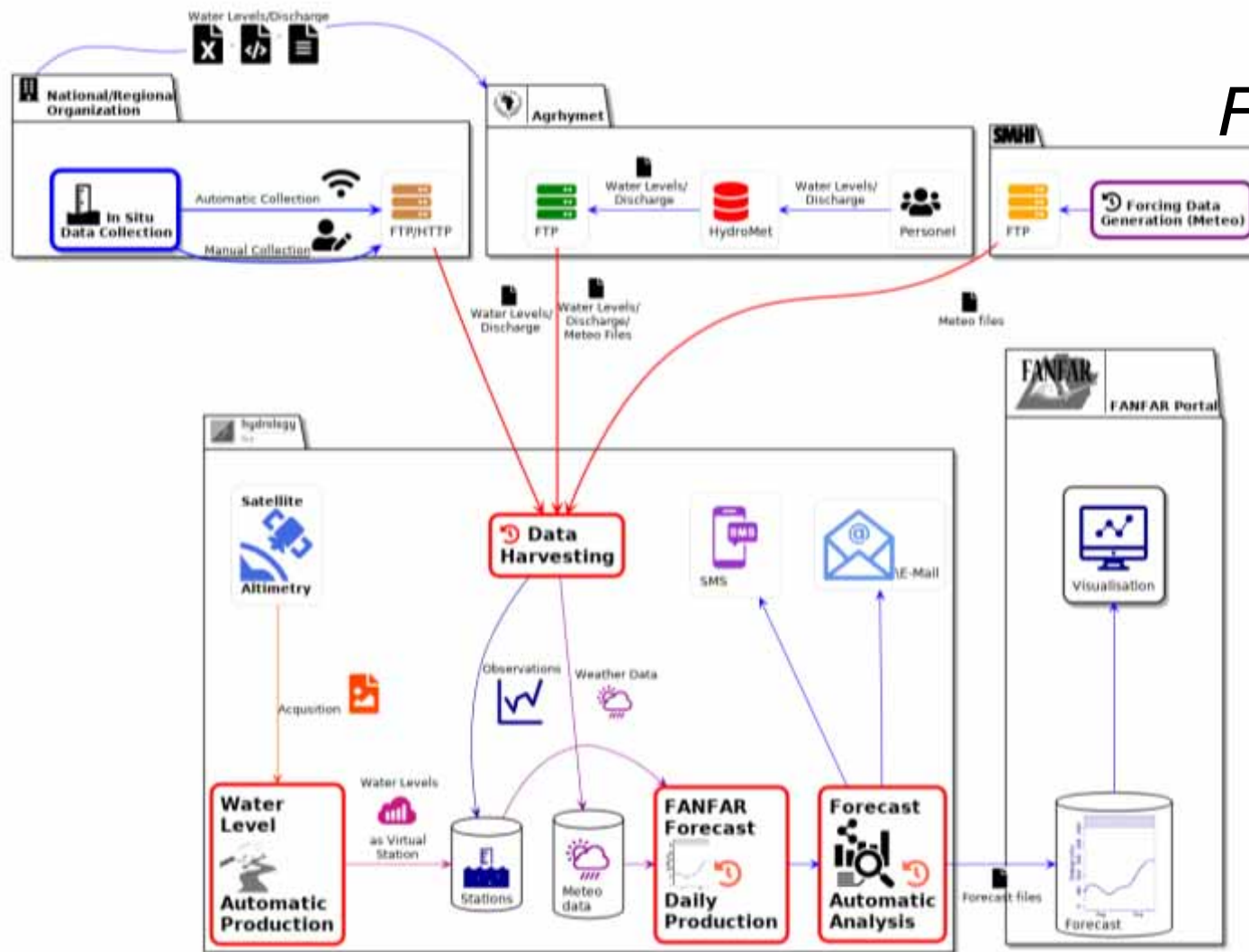
***Systeme Operationnel***





# Data Flow

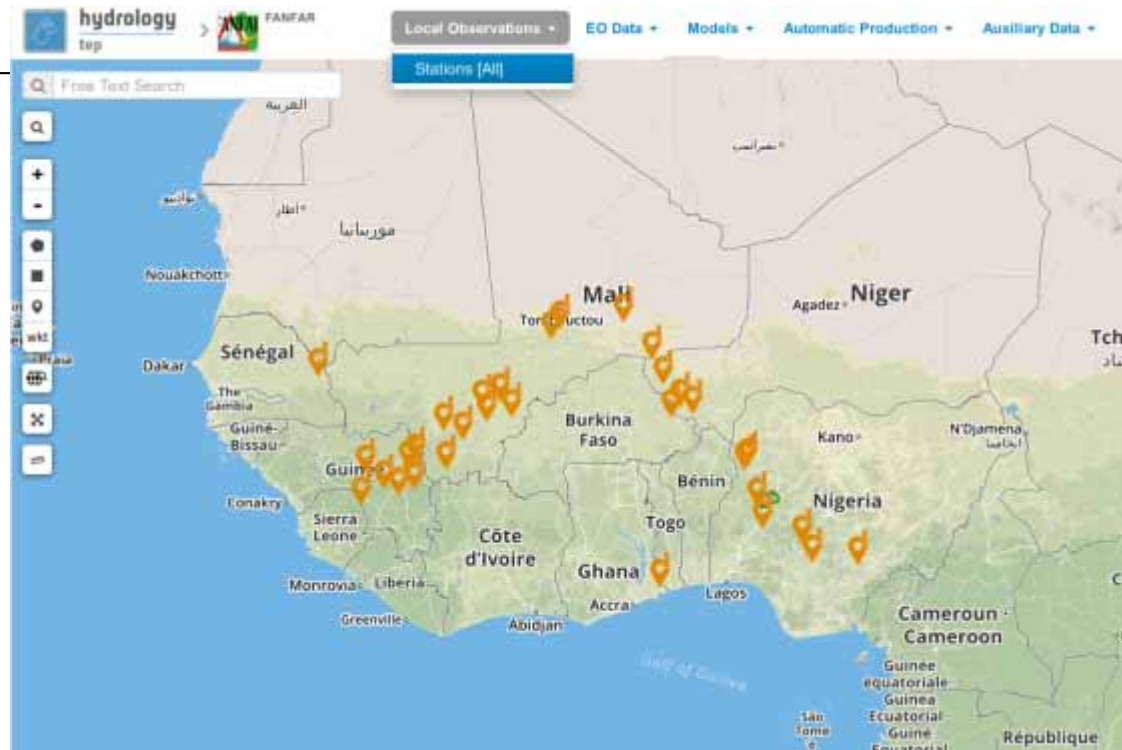
## *Flux de données*



**Operational System**

**Systeme Opérationnel**





This project

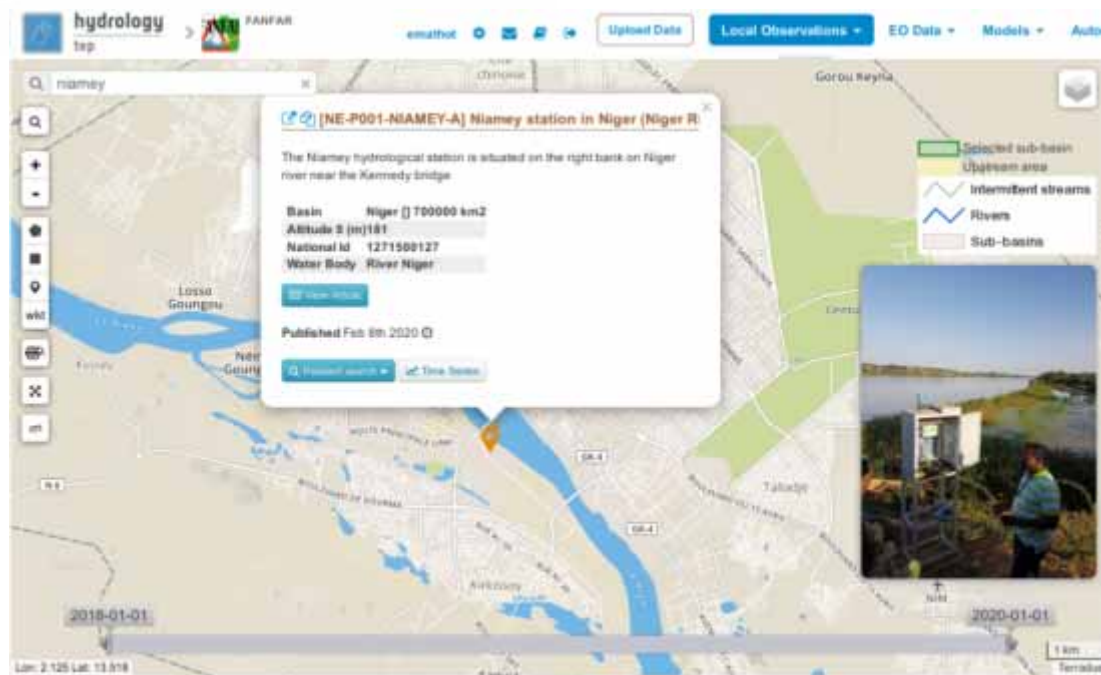
workshop, 10-14 February 2019, Abuja, Nigeria

is supported by the European Union's Horizon 2020 research and innovation programme under grant agreement No. 780118



# Collection des données in situ

## *In situ data Ingestion*



### Station Information :

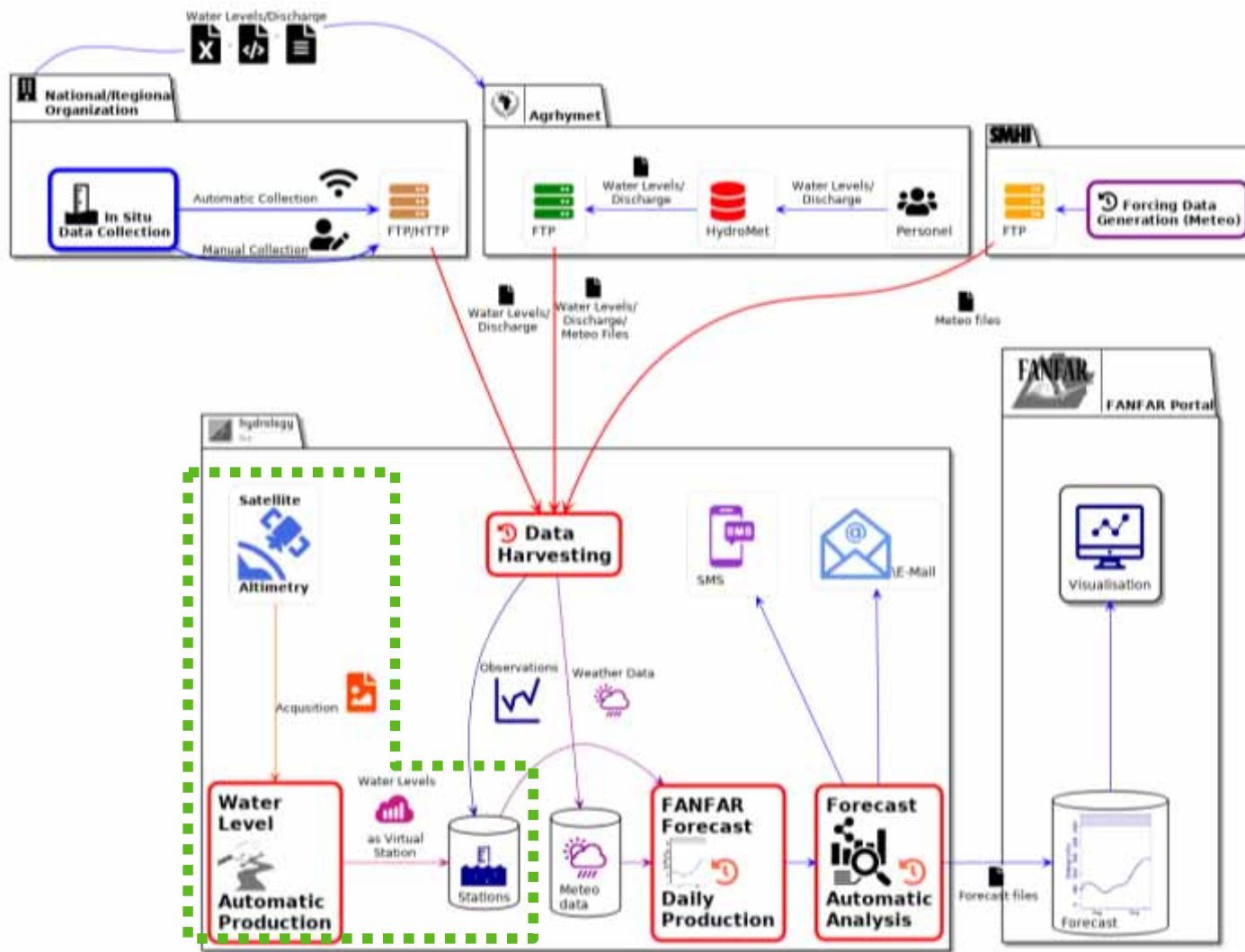
- **FANFAR Code**
- **Geolocation** (lat, lon)
- **Water Body** (river, lake...)
- **Basin** (Area, code)
- **National Code**
- **Altitude 0** (Z, geoid)
- Photo

**DATA**



FANFAR workshop, 10-14 February 2019, Abuja, Nigeria

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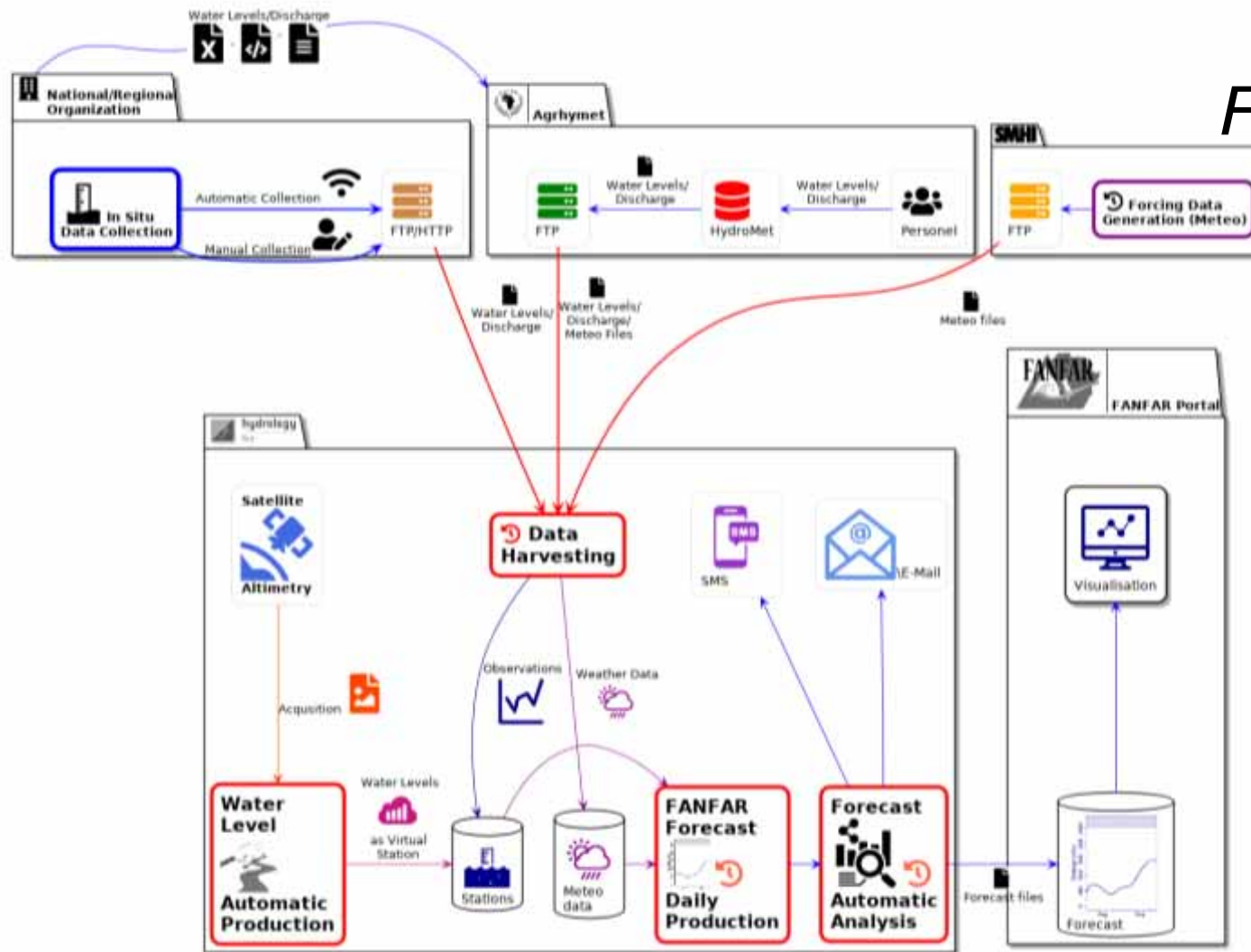


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# Data Flow

## *Flux de données*

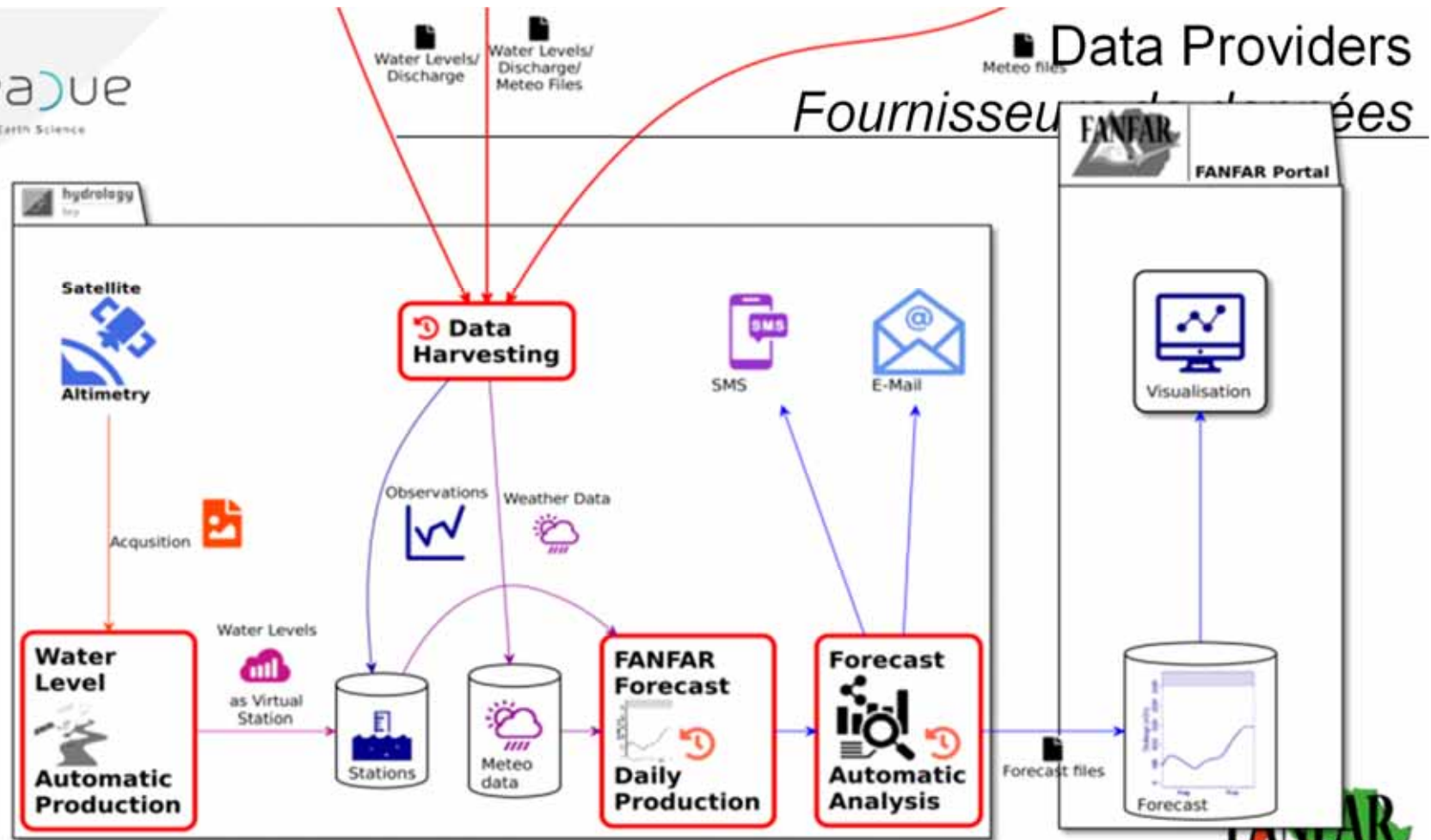


**Operational System**

**Systeme Opérationnel**





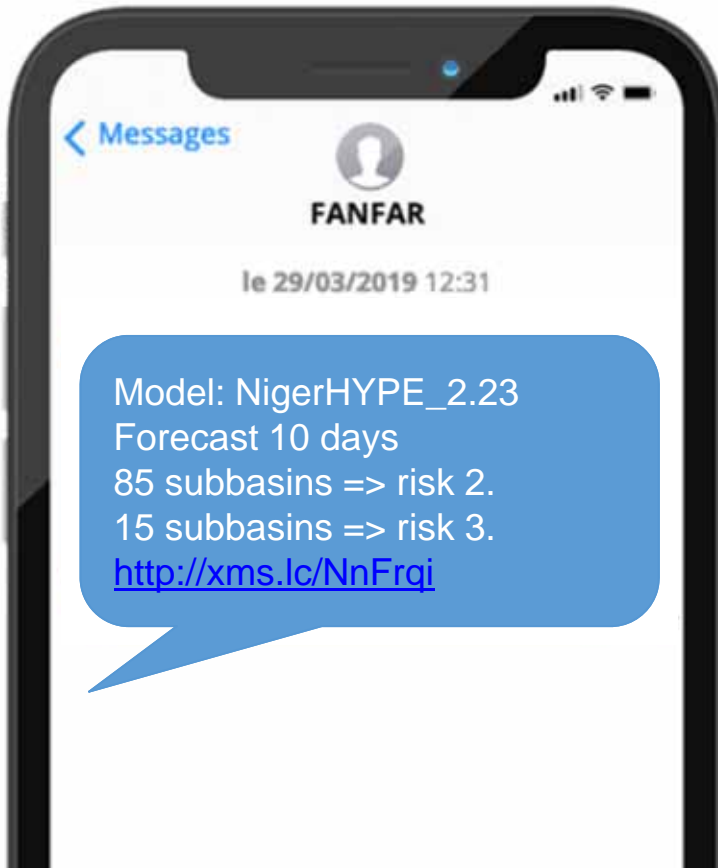


FANFAR workshop, 10-14 February 2019, Abuja, Nigeria

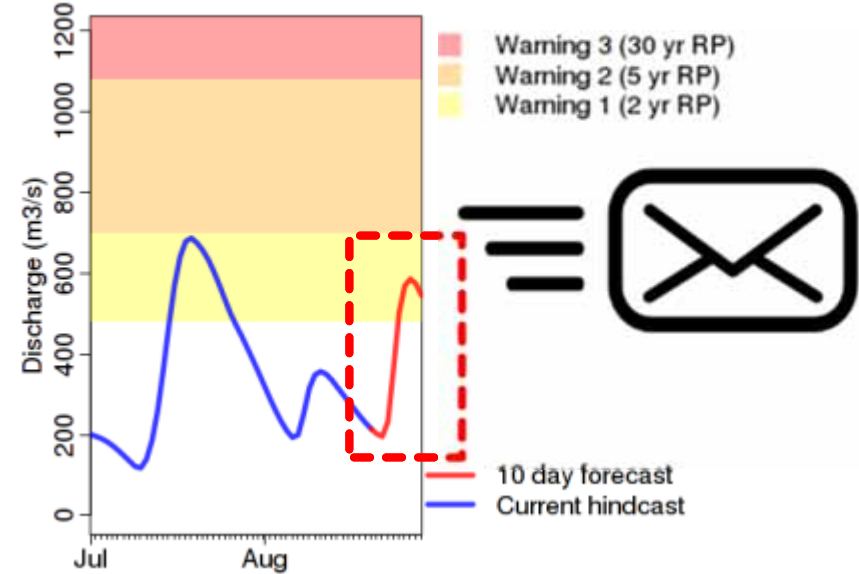
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Niger-HYPE 1  
Issue date 20  
River dischar  
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Warning  
Warning



Sub-basin 5004 - issue date 2017-08-20



February 2019, Abuja, Nigeria

research and innovation programme under grant agreement No. 780118





## Communities

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### Operational Flood Forecasting and Alerts in West Africa

The aim of Operational Flood Forecasting and Alerts in West Africa (FANFAR) is to reinforce the cooperation between West African and European hydrologists, ICT experts, decision and end-user communities to provide a co-designed, co-adapted, integrated, and co-operated streamflow forecasting and alert pilot system for West Africa. End-users will participate regular workshops and virtual meetings aiming to demonstrate the ICT, define user needs, co-design necessary adaptations, and develop capacity. Through this incremental refinement process, our existing ICT will be fully integrated and adapted to West African conditions. The system will be operated, supported and tested in practical flood management by regional national and local institutions.

Overview

Members

Applications

Activities

Wps services

Users Management

Usage

Community Management

#### Community Applications



FANFAR  
by Terradue

Access tools to process data into water-relevant information. such as TERRADUE

#### Members (31)

20 End Users

4 Expert Users

7 Content Authority