

Processing System

Andreas Wiesmann,

GAMMA Remote Sensing AG



GLOBSNOW
ESRIN Contract 21703/08/I-EC Geneva, Feb. 3./4, 2009

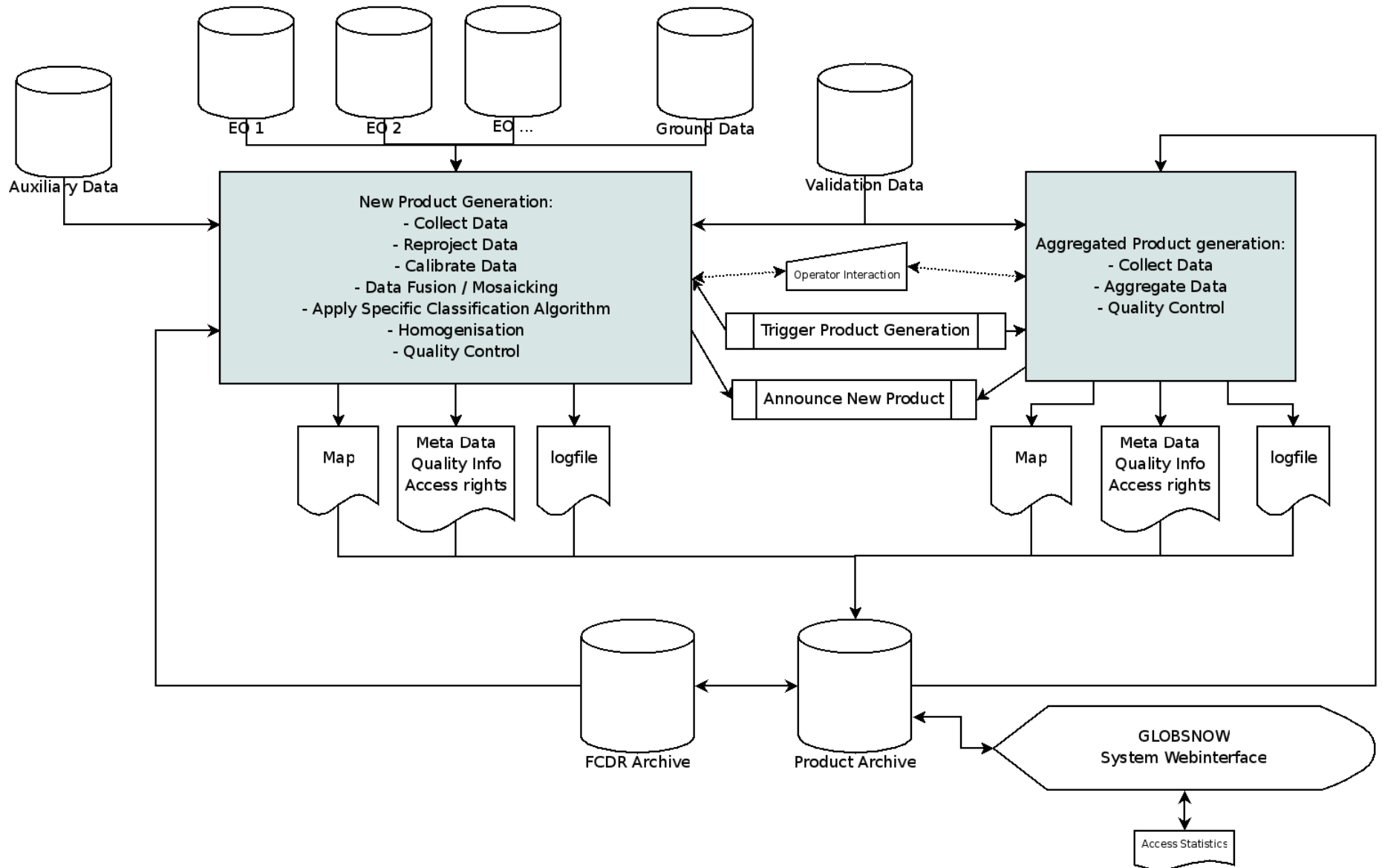


Processing System

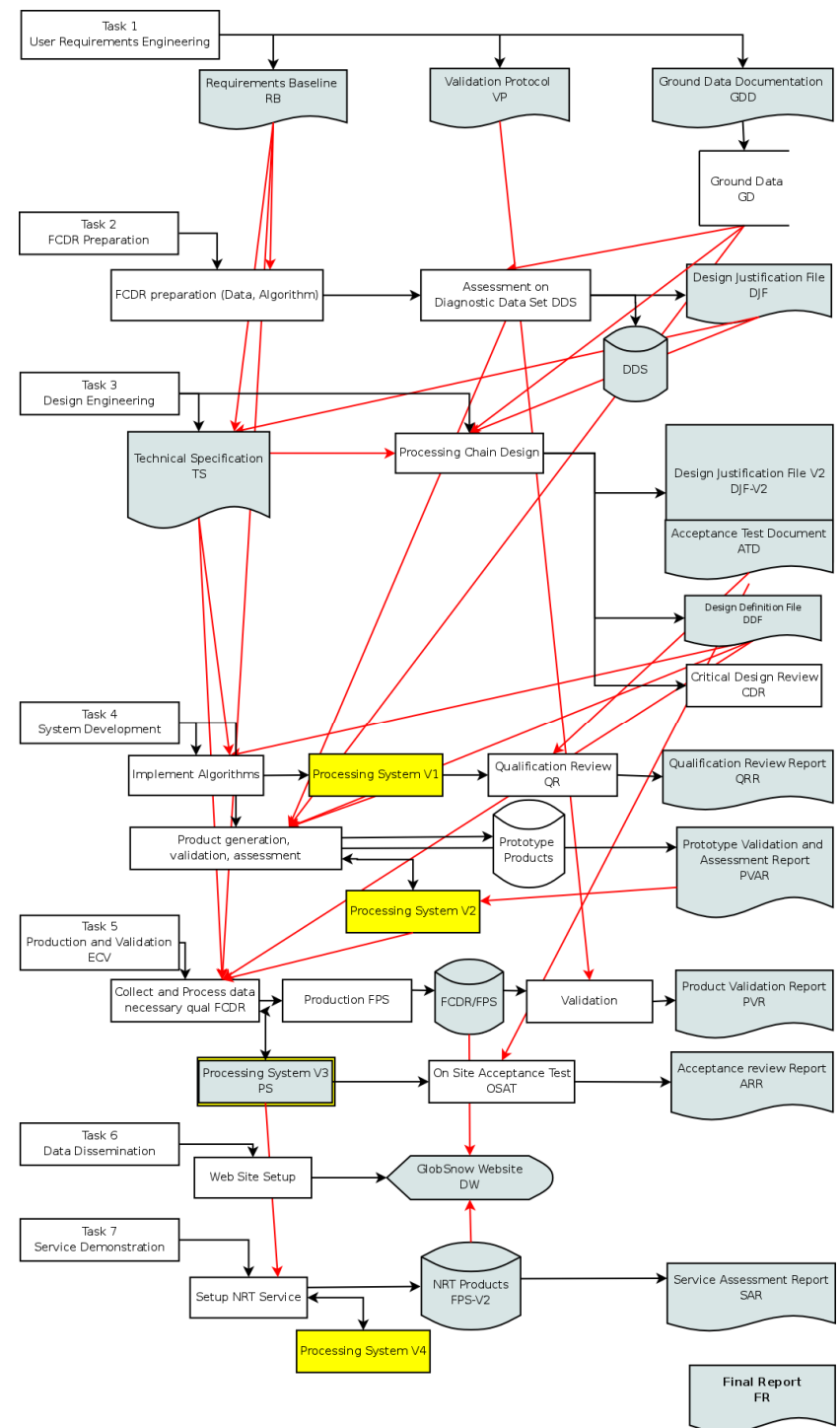
Aim of the GlobSnow Project

- The ultimate aim of the GlobSnow project is the development of the knowledge and technical capacity necessary to implement a sustainable global snow monitoring service fulfilling the GCOS implementation plan requirements.

Processing System Outline



Workflow



Processing System

Requirements

→ SOW

→ UR

Constraints

→ financial

→ technical

Processing System

Requirements

- Standalone, autonomous with minor operator interaction
- Near realtime processing capability
- The architecture and implementation of the processing system should be as simple as possible in order to minimise software development and maintenance costs, but should ensure high performance as well
- Developed and implemented following ECSS standards
- *Indirect requirements* resulting from product definitions (spatial resolution, temporal resolution, covered area)

Processing System

Constraints

- Hardware and labour costs in project budget
- Processing time in reasonable dimensions
- Hardware off the shelf workstation e.g. Quad-core processor, 8 GB RAM, 4 TB disk