GISC node Offenbach

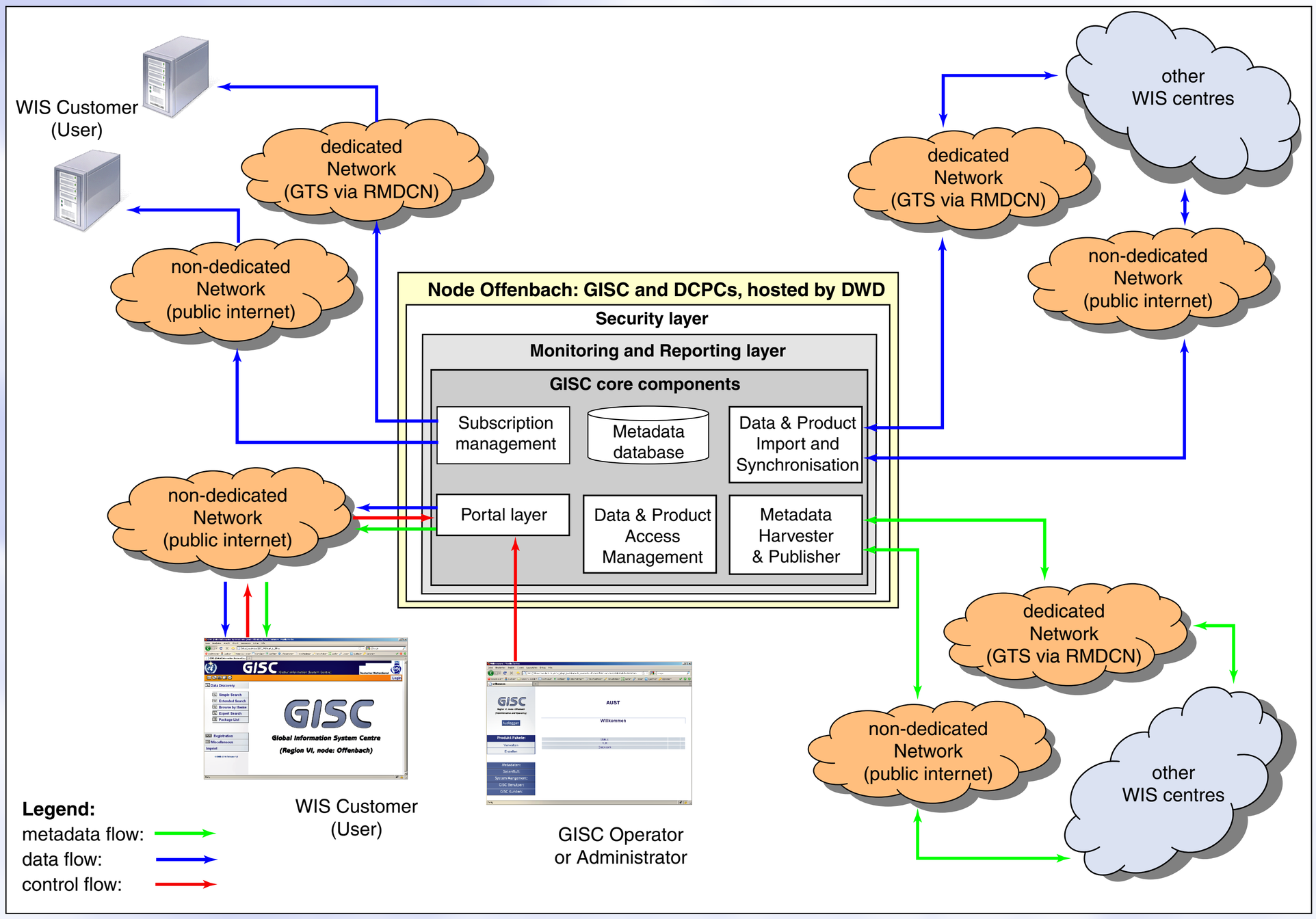
(Overview of the Global Information System Centre)

WMO Information System (WIS) Compliance

- WIS Compliance Specifications GISC, DCPC, NC version 1.2 ✔
- WIS User Requirements, Draft version 0.5 ✔
- In addition INSPIRE (Infrastructure for Spatial Information in the European Community) ready

Software Design Principles

- Best-of-Breed – Choose from best-of-breed offerings across Open Source and Commercial Software (AFD, jOAI, OCLC, SRU2JDBC, …)
- Modular Concept – Address Performance, Scalability and Reliability Requirements
- Standards – Ensure Interoperability with well established Standards (ISO 19115/19139, WMO Core Profile Version 1.1 [endorsed by CBS-XIV], ISO 23950 and INSPIRE)
- Open Architecture – Leverage existing Services and react in time to new Requirements
- Keep things simple



Main Components and Functions

Web Interfaces:

- Different Search Strategies ("Simple Search", "Extended Search", "Browse by Theme", "Expert Search" and "SRU - Search and Retrieval by URL")
- Product context-sensitive Navigation
- User and Subscription Management
- Internationalization (I18N)

DAR (Discovery Access and Retrieval) Metadata Management:

- DAR Metadata Generator (although used by CMA, HKO, INMET, ...)
- DAR Metadata Harvester (flexible open framework to integrate easily other providers)

Delivery Components:

- Subscription Management (time and event triggered), using AFD (Automatic File Distributor, OpenSource DWD) and Message Switching System (IBL Moving Weather)
- Web-Services to connect different data/product sources like (Archives, Databases, File Pools and MSS)

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