# Development of a global Wheat Information System
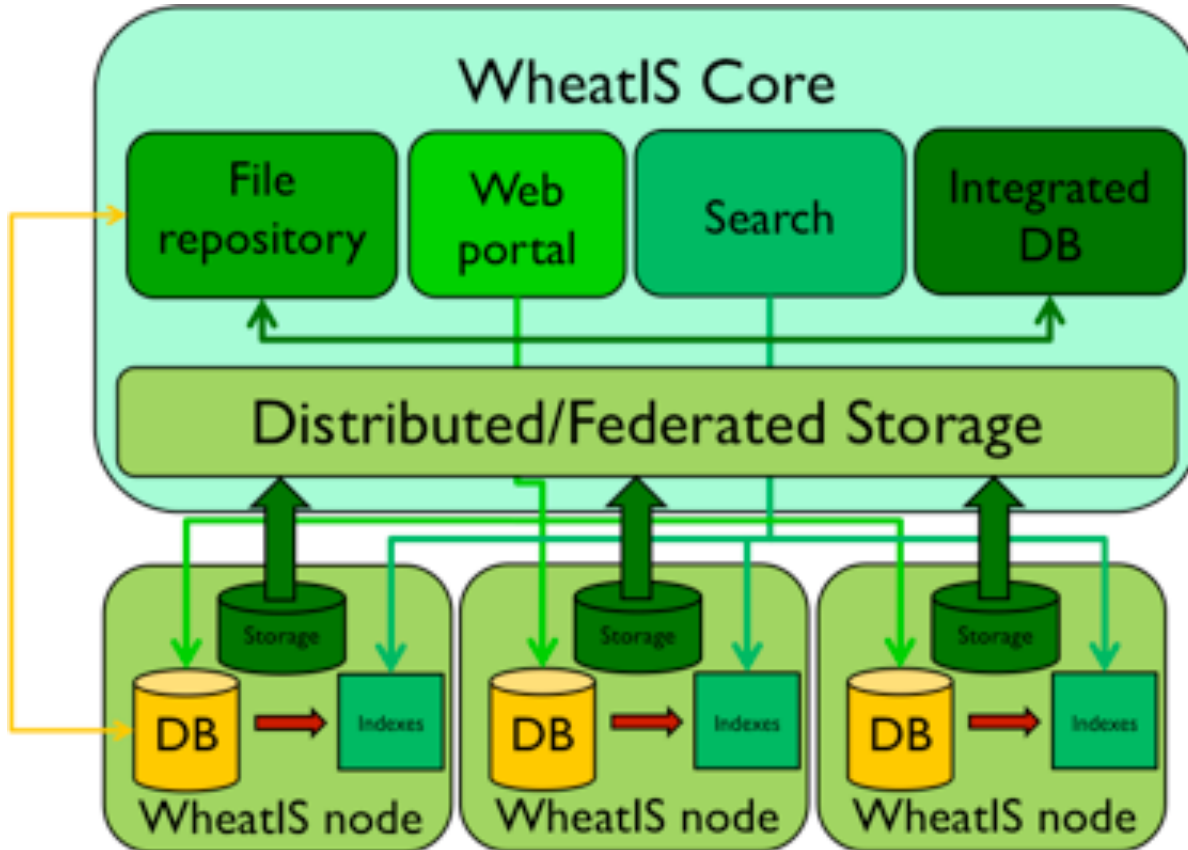


**WP1:** Data submission process

**WP2:** Distributed search engine

**WP3:** Data standards, management and integration (RDA working group)

**WP4:** Data and information infrastructure

**WP5:** Users' interfaces, outreach, training and dissemination

# Challenges

- **Data**
  - Existing data:
    - Curation and annotation
    - Capture and integration from different sources (interoperability)
  - New data
    - Establishment and adoption of standards by users' community
    - Easy submission processes
    - Integration of different types of data from different sources
- **Computation & modelling**
- **Support/trust from the research community**
  - Added value (accessibility of data, integrated data sets, easy exploitation, etc.)
  - Ethics (credit for data producers)
  - Trust (institutional support)
- **Training**
  - Bioinformaticians
  - Researchers

Wheat Initiative