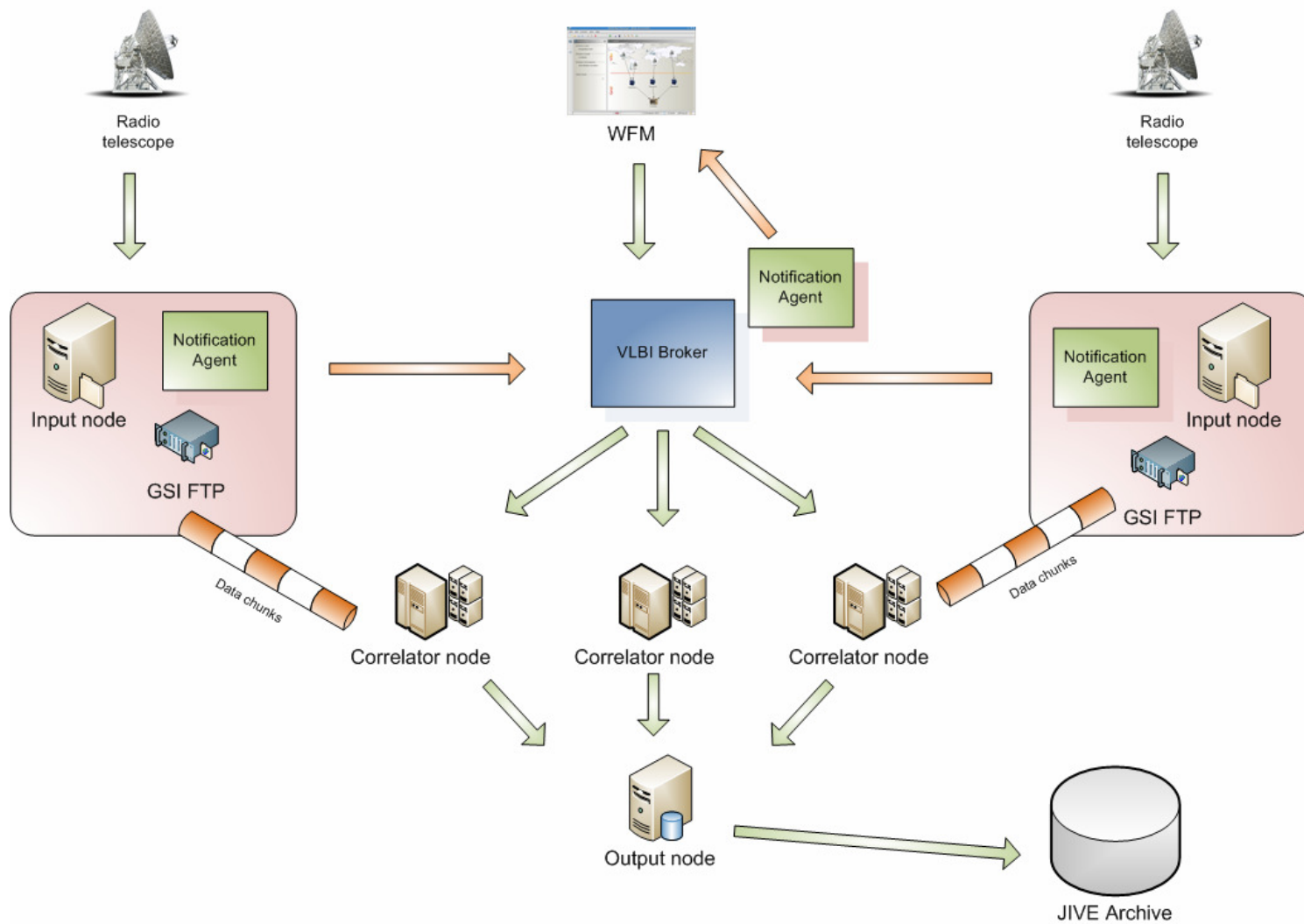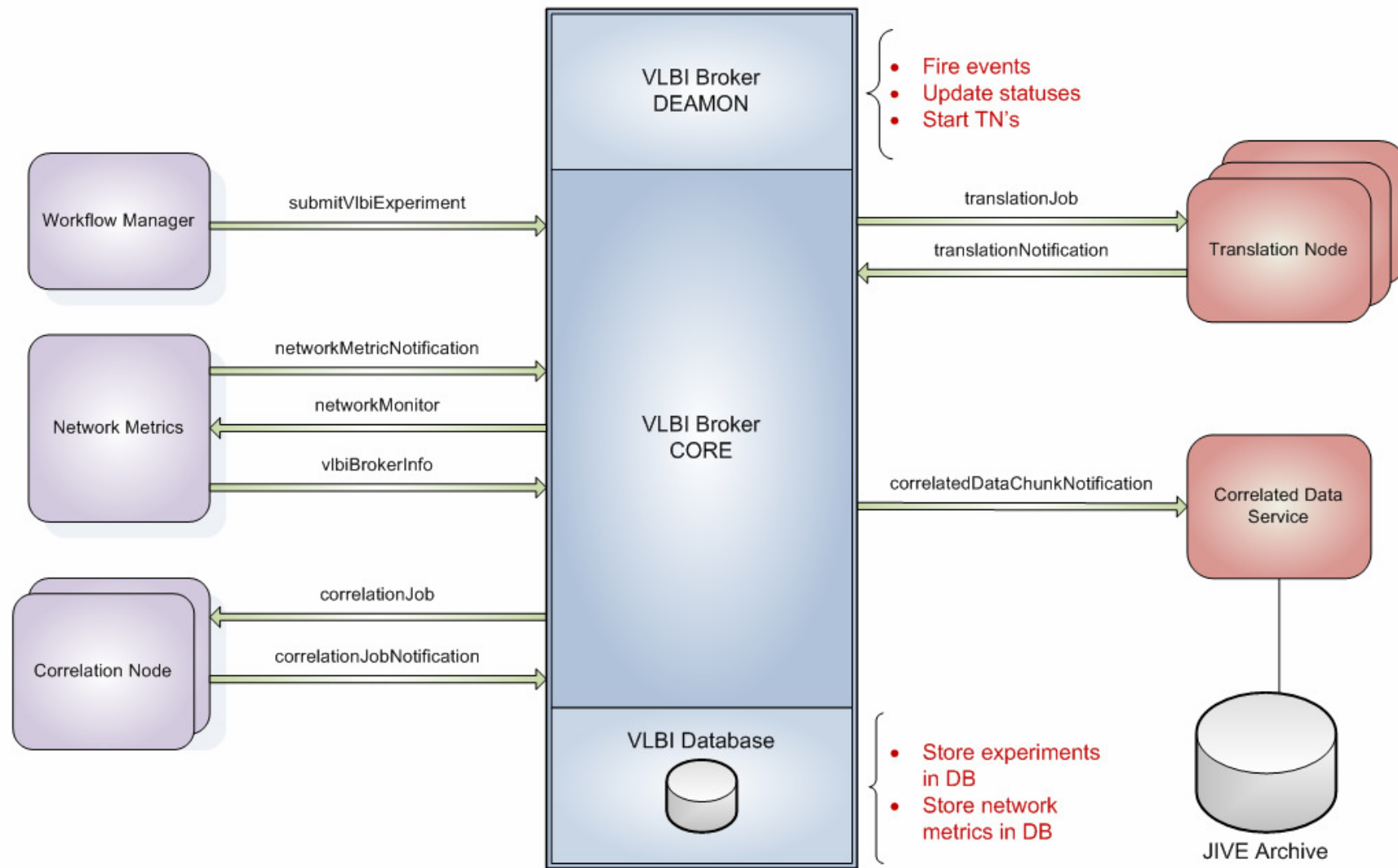# JRA1 - Distributed correlation
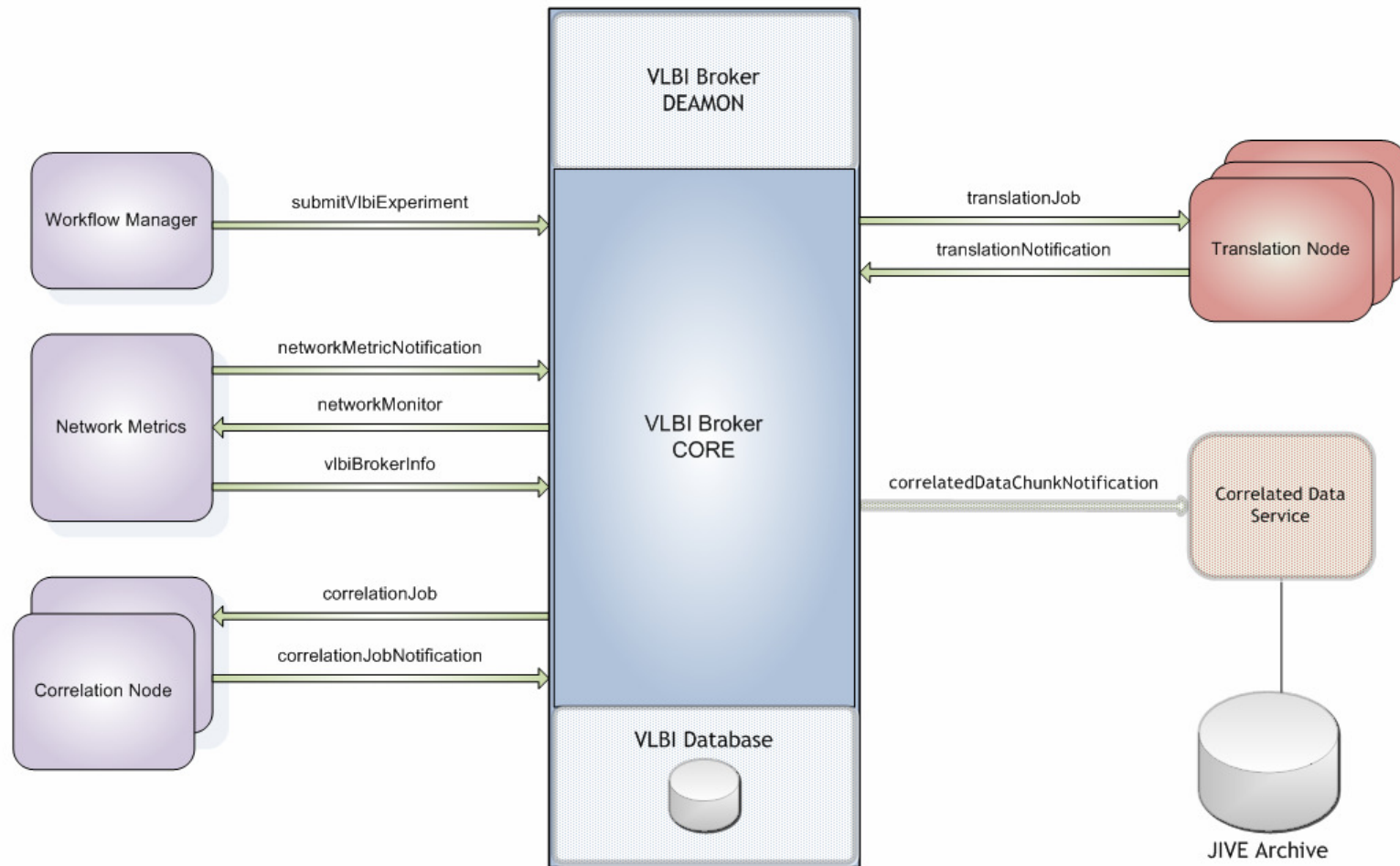
E-VLBI System
Communication Interfaces

Current status

E-VLBI System
Communication Interfaces

WP 2.1.1 Grid – VLBI collaboration (PSNC)

VLBI Broker:

- Implementation and deployment of the first version of VLBI Broker:
    - Communication with Workflow Management Module
    - Communication with Translation Node
    - Communication with Correlation Node

- Missing:
    - Feedback from Translation Node
        - (acknowledgment, errors, etc.)
        - Confirmation from TN after call to startTranslationJob
    - Integration with data base (experiments stored in memory)
    - Full integration with Network Module

WP 2.1.2 Grid Workflow Management (PSNC)

Workflow management:
- Workflow Management Module deployed:
  - Possibility to load a vex file
  - Possibility to convert a vex file to CCF file
  - CCF editor
  - Possibility to create an observation workflow
  - Possibility to submit a workflow for execution

Correlator Job Submission Module:
- First version of the module deployed
  - Talks to VLBI Broker,

EXPR**e**S

WP 2.1.3 Grid routing (PSNC)

Network module:

- Design of a module core
- Design and implementation of a communication interface with VLBI Broker

Action items (1)

1. **System testbed**
   - How it should be arranged
   - Where it should be deployed
   - Now we have:
     - Correlation Node:
       - reef.man.poznan.pl
       - ….
     - Translation Node:
       - jive huygens
       - Torun (in progress)
       - ….
2. **Preparation for the system demo**
   - How many radio telescopes involved
   - Preparation of vex file
   - Deployment of missing modules

Action items (2)

3. **Implementation / changes**
    - **missing modules / functionality**
        - Final version of Vlbi Broker
        - Correlated Data Service
    - Monitoring
        - Based on information gathered by Correlation Nodes from software correlator
        - Think of adding some status information to software correlator
4. Other issues
    - ..
    - ..