



LOFAR



# LOFAR Internationalisation

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# Boundary Conditions

- Cost of station 500 k€ (without HBA)
  - Cost including HBA in June 2007 (after evaluation)
- VAT
- Does not include land & installation
  - flattening site
  - placement antennas and cabinet
  - digging cables & fibre connection
- Power consumption: 15 kW
- Data connection: 3 Gbit/s
- Contribution to central operating costs



# Return for Contribution

- Starting Point:
  - Percentage share based on expected contribution (number of stations and annual share of central operating costs)
  - You propose: Key Researchers in existing KSPs and/or Allocation of guaranteed resources to own/new KSP
    - Seat on Board of the KSP
- Joining KSPs at lower (associate level) based on specific activities
- Exchanges of data/access to other telescopes outside scope of initial agreement - will be possible @ KSP level.



# Participation

- ARC Membership - meets every other month
  - ARC = Astronomy Research Committee
- Involved in regular technical meeting
  - requirements, synchronize developments



# KSP Organization

- Now: core members + associate members
- Propose: board + members



# Organization

- Press Release out today
- E-LOFAR.org
- International Consortium

Press Release



**Dwingeloo, The Netherlands, 25 April 2007**

**First high quality wide field LOFAR image**

**Astronomers and engineers have together produced the first high quality image with a LOFAR station. The data were collected with 96 low band antennas located in four fields at the heart of the array in the province of Drenthe in the North-East of the Netherlands, and transported over a dedicated glass-fibre link to a central processing facility at the University of Groningen, some 60 km away. The quality of the results confirm LOFAR's undoubted scientific potential and were an important demonstration of the design that was presented at the Critical Design Review held in Assen on 17 & 18 April. A panel of experts reviewed the status of the project and gave the green light for the construction phase, which will start in the second half of this year. Large, international participation in a LOFAR scientific workshop in Emmen (Drenthe) this week, shows that there is an active and growing community of users eager to make use of a telescope that will open up a new window on the Universe.**