

## **Radionet3-proposal: Selection Committee Meeting JRA/NA, 10/08/2010**

### **Max-Planck-Institut für Radioastronomie, Bonn**

#### **– Evaluation Results of the Joint Research Activities –**

Selection Committee: F. Mantovani (Chair RadioNet2), A. Zensus (Co-ordinator proposal RadioNet3), H. van Langevelde, P. Cox, R. Laing, E. Limiti, S. Rawlings, L. Testi, M. de Vos

#### *JRA AETHER*

The Committee highly rated this JRA because of its challenging technological program that connects well to increasing capabilities of existing and future facilities. Given the budgetary constraints, the EC contribution has to be limited at 1.4 M€. If this means, that the work plan has to be reduced, the Committee recommends strongly keeping Task A at the current scope, concurrently reducing Task C as the weakest Work Package. Task D is been seen as open-ended, as the science case and the technology are at an early stage.

The Committee regards development of MMIC devices for applications at frequencies up to ~100 GHz as a priority and recommends that aspects of this work in the JRAs MADERA, POPS and READINESS should be pursued as part of WP A of the JRA AETHER. Whether there is sufficient scope for the MMIC activity in WP A should be carefully evaluated.

The RadioNet-Board asks the PI to consider including additional partners in this JRA. The Board invites all JRAs to revise a possible merge of overlapping tasks between JRAs to join forces. A list with all submitted JRAs can be found below.

#### **Joint Research Activities – Received Short proposals**

JRA	Submitted by
AETHER: Advanced Terahertz HeterodynE Receivers	M. Guelin, IRAM
Hilado: High Performance processing of extremely Large Astronomical Datasets in an Open-source environment	M. de Vos, ASTRON
UniBoard <sup>2</sup>	A. Szomoru, JIVE
VLBI: VLBI in the ALMA and pre-SKA era	W. Alef, MPIfR
POPS: Phase One Packages towards the SKA	J.G. Bij de Vaate, ASTRON
MADERA: Microwave Active Devices for European Radio Astronomy	M. Schlechtweg, FhG IAF
READINESS: REceiver And DIgital backends in the New Era of SKA/ALMA Science	M. Kramer, MPIfR