



RadioNet support for training events

Application form

EVENT INFORMATION	
TITLE	Introducing VLBI tools in CASA
PLACE	JIVE, Dwingeloo
ORGANISER	Ilse van Bommel
DATE	September 2017
NO. OF PARTICIPANTS	10 participants + 3 tutors
TOTAL EVENT COST	3550
OTHER SOURCES OF FUNDING	None
REQUEST <i>(max. 2 pages)</i>	
Requested contribution	€3550
Use of the RadioNet contribution	<p>We would like to offer travel support to eligible participants who have no access to travel funds for this workshop. This is the main part of the requested budget.</p> <p>The money will be used for:</p> <ul style="list-style-type: none">€750: lunch, coffee and tea during the meeting€1700: travel and lodging expenses for 1 non-European participant (flight + local travel €1200; lodging 5 nights €350; subsistence for 6 days €150)€1000 travel and lodging expenses for 1 European participant (travel €500; lodging 5 nights €350; subsistence for 6 days €150)€100: unforeseen local expenses
Impact of training	<p>The workshop will take place at the headquarters of JIVE and ASTRON in Dwingeloo, the Netherlands. The duration will be a full week in late September, early October. No dates have been fixed yet, to avoid a clash with ERIS, which is still under discussion.</p> <p>The goal of the workshop is to train participants in the use of the new CASA tools for VLBI data processing, which have been developed at JIVE. A full week is necessary to get to the level of understanding required to operate the tools smoothly and independently. We expect participants to bring their own laptop with CASA, and a radio interferometry dataset of their choice. A limited number of workstations is available locally for people without hardware resources.</p> <p>The workshop will be highly interactive, with few scheduled talks and focus on hands-on work. There are 3 tutors available. With the one-on-one interaction necessary for this workshop, we can host at most 10 participants.</p> <p>Participants will be asked to spread their new knowledge in their home institutes and countries. This training event will be the first step in setting up a larger scale teaching course for VLBI data-reduction in CASA, which can become part of the regular radio astronomy schools for young scientists.</p>

Accessibility	<p>Registration will be open to all interested radio astronomers. Due to the limited availability of tutors, we can host at most 10 participants. To ensure maximum impact, we require participants to meet the following criteria:</p> <ul style="list-style-type: none"> • Participants <i>must</i> have extensive experience with processing of radio interferometer data, experience with VLBI is preferred • Participants have experience in Python scripting and debugging • As a group, the participants have processed data from a range of different instruments (EVN, LOFAR, e-MERLIN, VLBA, ALMA, etc). • Participants with prior experience of the CASA package are preferred
Ethics	<p>We will take care to target and include participants from underrepresented minorities, and people from developing countries possibly associated with the African VLBI Network.</p>