



RadioNet support for training events Application form

EVENT INFORMATION	
TITLE	Summer School on Spectrum Management for Radio Astronomy
PLACE	STIAS, Stellenbosch, South Africa
ORGANISER'S INSTITUTE NAME	OBSPARIS; Wim van Driel
DATE	2-6 November 2018
NO. OF PARTICIPANTS	30-40
TOTAL EVENT COST	30 000 EUR
OTHER SOURCES OF FUNDING	IUCAF 10 000 EUR ; SKA South Africa 7 500 EUR
REQUEST	
Requested contribution	A budget of 12 000 EUR for this training event is included in WP3.1. It is intended to support the travel of about 12 participants.
Use of the RadioNet contribution	<p>The Summer School on Spectrum Management for Radio Astronomy is included as a teaching event under WP 3.1 of the RadioNet work programme; it is closely linked to the activities under WP 4.2 (Spectrum Management). It will teach a new generation of radio astronomers, engineers and professionals from spectrum management agencies about why and how to protect radio astronomy observations from unwanted interference using regulatory means. This is essential for the future of the Radio Astronomy Service.</p> <p>Based on experience with previous similar Summer Schools, we expect 30-40 participants; about 10 tutors and 20-30 students. The 7 500 EUR from SKA South Africa will cover the costs of organizing the five-day meeting at the STIAS venue in Stellenbosch, South Africa. The 12 000 EUR from RadioNet and the 10 000 EUR from IUCAF (the Scientific Committee on Frequency Allocations for Radio Astronomy and Space Science of ICSU) will be used to (partially) support the travel of attendees; preference will be given to financing students.</p>
Impact of training	<p>The radio spectrum is a limited resource, under ever increasing pressure for frequency allocations by active (= emitting) users. Users need to share the radio spectrum, while providing sufficient protection of the passive (= receive only) Radio Astronomy Service (RAS). Spectrum management is the use of regulatory means to achieve this goal.</p> <p>There are no formal, regular courses for our intended participants to learn about spectrum management specifically for radio astronomy, it is mainly on-the-job training, with a long learning curve. This Summer School will provide a thorough introduction to the many aspects involved.</p>
Accessibility	Attendees are sought from a number of different backgrounds: young researchers and engineers involved in radio astronomy, and professionals already involved in spectrum management (e.g., from national or international spectrum agencies) who have to deal with the protection of radio astronomy observations in practice.

Ethics	We are looking for participants from communities that are new to the subject of the summer school - young astronomers, engineer and spectrum administrators. We will pay due attention to ensure a maximum in diversion in gender and ethnic diversity among the participants. For guidance on ethical issues we will use the Code of Conduct as defined recently by the IAU for its meetings.
