RadioNet support for training events
Application form

EVENT INFORMATION	
TITLE	CESRA 2018 Summer School (CESRA stands for Community of European Solar Radio Astronomers; http://cesra.net)
PLACE	Royal Observatory of Belgium, in Brussels
ORGANISER'S INSTITUTE NAME	*Please insert the name of the organisation and the details on the contact person* Royal Observatory of Belgium, Avenue Circulaire 3, B-1180 Brussels, Belgium Organiser/contact person: Christophe Marqué, scientist from the Operational Directorate (department) « Solar Physics and Space Weather ». In charge of the solar radio astronomy observations of the Observatory
DATE	10 – 14 September 2018, alternative dates: 17 – 21 September 2018
NO. OF PARTICIPANTS	25 students + max. 10 teachers
TOTAL EVENT COST	8900 EUR + 5250 EUR requested = 14150 EUR
OTHER SOURCES OF FUNDING	*Please specify the other sources of funding and their level* Conference room of Observatory (Meridian Room) will be provided for free (funding Royal Observatory for 5000 EUR) Lunches and coffee breaks will be provided by the Solar Terrestrial Center of Excellence (http://www.stce.be), for up to ~3500 EUR 3 to 4 students may be lodged at no cost in guest rooms at Observatory (funding Royal Observatory) (400 EUR)
REQUEST *(max. 2 pages)*	
Requested contribution	*Please specify the level of the requested RadioNet support [EURO]* 5250 EUR (30EUR x 5 x 35)
Use of the RadioNet contribution	*Please specify the use of the RadioNet contribution, e.g. approximately how many people will be supported, is this students, tutors, etc.? Which other costs exist? What is the overall budget for the event? How will this event contribute to RadioNet goals?*[1] The requested amount will help funding participants to attend the meeting and cover the cost of their stay in Brussels. We aim at an individual support equivalent to 30 EUR per day, to cover cost for dinner and help cover the cost of lodging. 3 to 4 rooms will be made available to students who would not be able to attend otherwise. Participants will have to find a dedicated budget for travelling to Brussels and fund most of their lodging cost. This allowance will be provided to all students and teachers who might need support. The overall budget amounts to 14150 EUR: 8900 EUR for the local organization of the event, that will be fully based on internal funding (ROB and STCE). We request

[1] *For more information about the RadioNet training programme please contact Dr. Anita Richards (a.m.s.richards@manchester.ac.uk).*

RadioNet has received funding from the EU's Horizon 2020 research and innovation programme under grant agreement No 730562

	financial support (5250 EUR) for helping students and lecturers to attend. This summer schools aims at training students in solar physics for the use of radio diagnostics in the study of solar eruptive events and of the quiescent solar atmosphere. It will provide basic knowledge in solar radio astronomy: physics, instrumentation and techniques, and will make students familiar with tools and software used by the community (Solarsoft, Python, CASA…). Emphasis will be put on new or recently renovated facilities used in solar physics (LOFAR, ALMA, NRH), some of which being supported by RadioNet.
Impact of training	*Please outline the anticipated impact of the event e.g. on knowledge transfer to the next generation of scientists and engineers.* The solar radio astronomy community is at a turning point: on one hand, research groups purely devoted to solar radio physics are either shrinking or being merged in broader scope solar physics or astrophysics research teams. This is true in domains related to theory, observation and instrumentation. On the other hand, new instruments have come on-line in the past years (LOFAR, ALMA, EVLA), have been renovated (NRH) and new small facilities have emerged (Callisto network, Humain Observatory in Belgium). For many young researchers and students, remote sensing investigation of the solar corona consists essentially on EUV, Soft-Xrays or white light observations coming from successful space missions. With the imminent launch of cornerstone heliophysic missions (Solar Orbiter and the Parker Solar Probe), radio diagnostics might look even less obvious as innovative and valuable means of investigating the physics of the solar corona. We aim, with this summer school, to make students aware of the existence and value of solar radio astronomy as a unique or complementary tool for the study of the Sun's activity. New radio facilities provide large amount of data that require new ways of processing or modelling and for which the community is just starting to evaluate the richness and complexity. During exercise sessions, students will get accustomed to data sets coming from these facilities and to the associated software, and will put them in context of contemporary solar physics issues.
Accessibility	*Please specify the selection criteria for attendees* The facility at the Royal Observatory of Belgium can host up to 25 students. The school will be open preferentially to students holding a Master degree in physics or astrophysics, or students in technical domains connected to solar radio astronomy. The organisers will ask any potential student to write a short motivation letter (about half a page) briefly mentioning their scientific background and reasons for attending this school. In particular, we will encourage students not necessarily familiar with radio astronomy to apply. Motivations letter will be reviewed by the scientific committee (made of board members of CESRA) together with the head of the LOC (C. Marqué). We aim at a deadline towards the mid – or end of April to let students find affordable accommodation and transportation to Brussels.
Ethics	*Please explain how you will encourage ethical issues such as gender, ethnic diversity, reaching new communities, as relevant.* Scientific institutes depending from the Belgian government follow a strict policy banning any discrimination based on gender or ethnicity. Organisers of this event will make sure that this policy is enforced during the selection process of the students and will contact teachers according to the same principles.

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