RadioNet support for scientific events
Application form for organisers

EVENT INFORMATION	
TITLE	A centenary of astrophysical jet studies: A review of the progress made over the past century – from theory to observations
PLACE	SKAO, Jodrell Bank Observatory, Manchester, United Kingdom [To be confirmed]
ORGANISER'S INSTITUTE NAME	University of Bristol Emmanuel Bempong-Manful (e.bempong-manful@bristol.ac.uk)
DATE	April, 2019 [To be confirmed]
NO. OF PARTICIPANTS	~ 200
TOTAL EVENT COST	~ 45,000 Euros
RADIONET SUPPORT	15,000 Euros
OTHER SOURCES OF FUNDING	Registration fees, STFC

REQUEST

(max. 2 pages)

Short abstract of the event	Since the first direct observation of astrophysical jets by Heber D. Curtis in 1918, countless jets of high-energy particles have been observed and studied across a wide range of physical systems and scales with radio synthesis maps of hundreds of AGNs in the last few decades for example revealing jets, in the ranges of sub-parsec to mega-parsec scales. Jets are among the largest coherent flow structures in the Universe, and among the most studied entities of the cosmos to date. In addition to energy, momentum and mass transport from the host compact source to their environs, these cosmic outflows serve as diagnostic parameters for probing the role of highly energetic processes in the formation and evolution of large scale structure in the Universe, and are among the key drivers of current and future astronomical surveys. However, in spite of the great deal of progress made from theory, through simulations to observations in the recent past to elucidate our understanding of these cosmic objects; their formation, collimation and acceleration, among other questions, remain very much a work in progress in the field of astrophysical research. This conference will therefore bring together multiwavelength observers and theorists to commemorate the centenary of astrophysical jets discovery by Curtis (1918) and consequently review the progress made over the past century in our attempts to understand these cosmic outflows on all scales, and as well discuss prospects for future studies with new cutting edge astronomical instruments such as the SKA, on the horizon.
Relevance for RadioNet	Major radio astronomy facilities such as e-MERLIN, EVN, LOFAR, etc. and institutes including Max Planck Institute for Radio Astronomy (Bonn, Germany), Jodrell Bank Centre for Astrophysics (Manchester, UK) all of which are part of the RadioNet consortium have contributed immensely towards the scientific inquiry into astrophysical jets over the past decades. A conference of this nature and magnitude would therefore provide an ideal platform for which experts who are from these institutes and/or whose works have made use of such RadioNet facilities to be able to highlight these contributions. Additionally, with the conference set to bring together multiwavelength observers and theorists from around the globe, it would

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

<table>
<tr><td></td><td>provide possible avenues for collaborations between theorists and observers – including radio astronomers and scientists working in other bands of the electromagnetic spectrum.</td></tr>
<tr><td>Impact on RadioNet</td><td>As a European entity representing radio astronomy, this conference (which would draw participants from around the globe) would provide RadioNet a unique opportunity to be associated with not only the review of scientific progress made in the field of astrophysical jet studies, but also the centenary celebration of the discovery of a remarkable cosmic phenomenon which to date remains at the forefront of astrophysical research. Additionally, acknowledgements of RadioNet on conference website, materials, proceedings and related publications would directly impact the marketing value of RadioNet within the scientific community.

We are currently forming the Scientific Committee (SOC) for this meeting, which is already confirmed to include; Mark Birkinshaw (Bristol), Martin Hardcastle (Hertfordshire), Emmanuel Bempong-Manful (Bristol), etc.</td></tr>
<tr><td>Use of the RadioNet contribution</td><td>2/3 of the RadioNet contribution would be allocated to the support of travel, lodging and meals expenses of exceptional experts (invited talks), and outstanding postgraduate students and early career researchers, especially from traditionally underrepresented groups, who would also be expected to give contributed talks at the conference.

1/3 of the RadioNet contribution would also be used to support organisational expenses including travel, room rent, coffee, lunch, etc.

<table>
<tr><th colspan="3">Conference Budget Estimates (Abridged version)</th></tr>
<tr><td colspan="3">This budget is based on an expected attendance of 200</td></tr>
<tr><th>Item</th><th>Cost (GBP)</th><th>Remarks</th></tr>
<tr><td>Venue - SKAO, JBO, UK [TBC]</td><td>4,500.00</td><td>Conference + dinner venue</td></tr>
<tr><td>Food and Beverage</td><td>25,000.00</td><td>Conference dinner + lunch + tea/coffee breaks</td></tr>
<tr><td>Publication charges</td><td>6000.00</td><td>Conference proceedings</td></tr>
<tr><td>Miscellaneous</td><td>5,000.00</td><td>Office supplies, promotional materials, signage, conference program and other organisational expenses</td></tr>
<tr><td>Event Total</td><td>40,500.00</td><td></td></tr>
</table></td></tr>
<tr><td>Ethics</td><td>Our proposed venue (SKAO) for this event have specific Code of Ethics and Code of Conduct which provide guidelines for participants at conferences. These include;

1. Behave professionally. Harassment and sexist, racist or exclusionary comments or jokes are not appropriate. Harassment includes sustained disruption of talks or other events, inappropriate physical contact, sexual attention or innuendo, deliberate intimidation, stalking, and photography or recording of an individual without consent. It also includes offensive comments related to gender, sexual orientation, disability, physical appearance, body size, race or religion.
2. All communication should be appropriate for a professional audience including people of many different backgrounds. Sexual or sexist language and imagery is not appropriate.
3. Be kind to others. Do not insult or put down other attendees.

All conference attendees would be required to abide by these specific Code of Conduct during the conference in order to provide a harassment-free environment for all participants.

Also, during the allocation of financial support for postgraduate students and early career researchers, priority would be given to females, and participants from traditionally underrepresented groups who are actively involved in astronomy and related fields.</td></tr>
<tr><td colspan="2">Privacy Policy: With signing this template and applying for RadioNet funding, I accept the Privacy Policy of RadioNet, which is based on the EU General Data Protection Regulation (GDPR).

Place & Date:
ASTRON, NL / 29th June, 2018

Signature of the applicant:</td></tr>
</table>

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