

JIVE maintains the European VLBI Network data processor and **provides support for users** before, during and after observations of a radio source with the EVN.



In addition, JIVE **develops new tools** for data processing and contributes to leading research in radio astronomy.

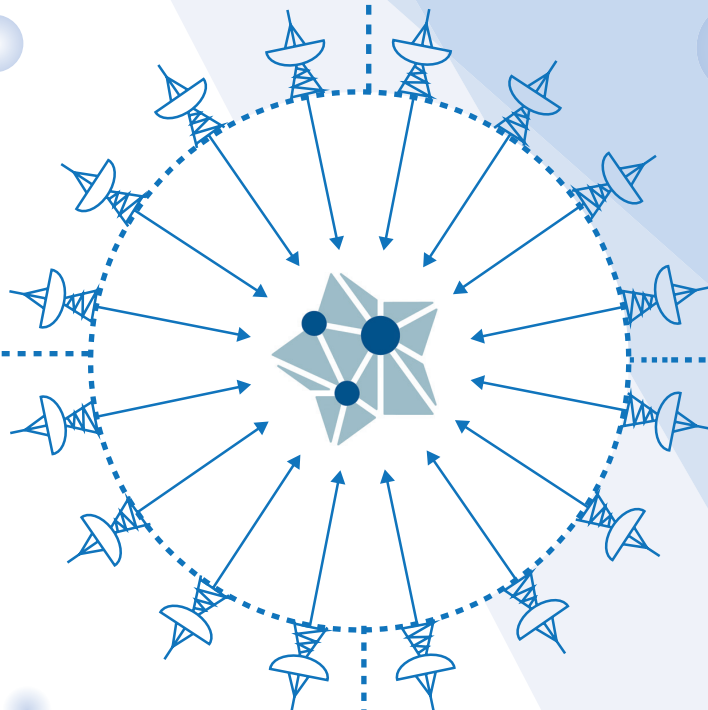


The EVN issues **three calls for proposals every year**, but Target of Opportunity proposals are invited at any time. JIVE maintains an **open and searchable online archive** on EVN observations that have passed their proprietary period.

Proposals are open to all astronomers, and we particularly encourage non-VLBI specialists to apply.



The EVN is a network of radio telescopes located primarily in Europe and Asia, with additional antennas in South Africa and Puerto Rico, which performs **very high angular resolution observations** of cosmic radio sources.



Collectively the EVN forms the **most sensitive radio telescope array** at both centimeter wavelengths and milliarcsecond resolution. The data collected at each of the individual stations is collated centrally at the correlator - a data processor housed at the Joint Institute for VLBI ERIC (JIVE) in Dwingeloo, the Netherlands.

HOW TO CONTACT US

www.evlbi.org

www.jive.eu



This brochure was created as part of the JUMPING JIVE project under grant agreement No 730884 from the European Union's Horizon 2020 research and innovation programme.

JIVE AND THE EVN PROVIDING THE SHARPEST VIEW ON THE UNIVERSE

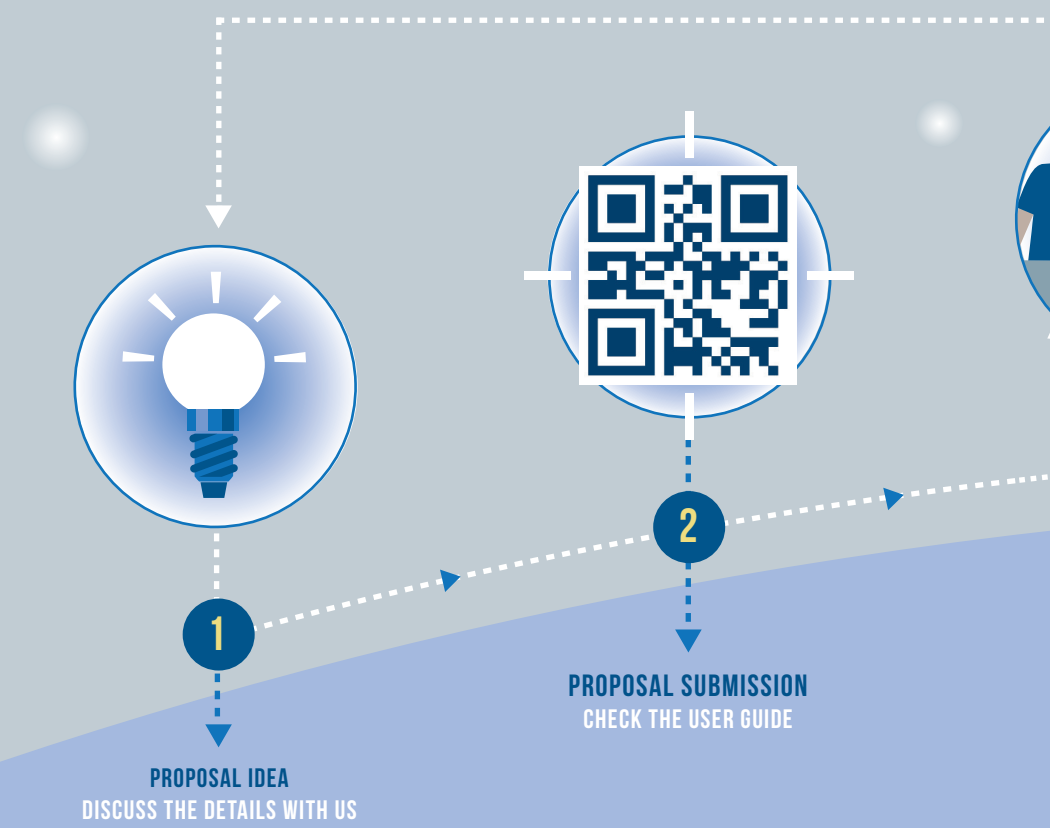


WHAT CAN VLBI DO FOR YOUR RESEARCH ?

What do you do when a telescope is not big enough to enable a high resolution study of an astronomical radio source?

YOU USE A BIGGER ONE!

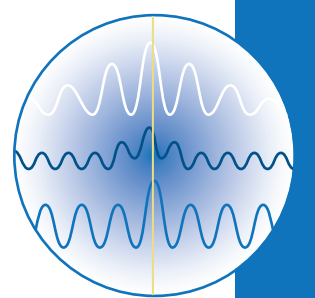
Very Long Baseline Interferometry (VLBI) works by combining signals from multiple telescopes. This greatly increases the resolving potential by effectively turning the telescopes into one giant instrument.



3
PEER REVIEW



4
SCHEDULING AND OBSERVATION
WE WILL ASSIST YOU



5
CORRELATION
AND RESULTS



6
ANALYSIS
WE OFFER SUPPORT



7
PUBLICATION!

All manner of celestial objects and events can be observed using **VLBI**, and the European VLBI Network (EVN) offers the **most sensitive and versatile array** in the world to do so.



DO YOU HAVE AN IDEA FOR A RESEARCH PROJECT WITH THE EVN



RESEARCH CONDUCTED USING THE EVN

Life cycles of stars and planets

The dynamic universe

Supermassive black holes

JIVE SUPPORT

To make the EVN accessible for all astronomers, **JIVE provides support** during each step of the research process, from the first idea to a successful observation. Working together, we can optimise the technical and scientific feasibility of the proposal. Every accepted proposal is assigned a **dedicated and experienced scientist**, who will help you to conduct excellent research with the EVN.