

What can VLBI do for your research?

The EVN and JIVE

The *European VLBI Network (EVN)* is an array of radio telescopes which performs high angular resolution observations (up to microarcseconds) of cosmic radio sources.

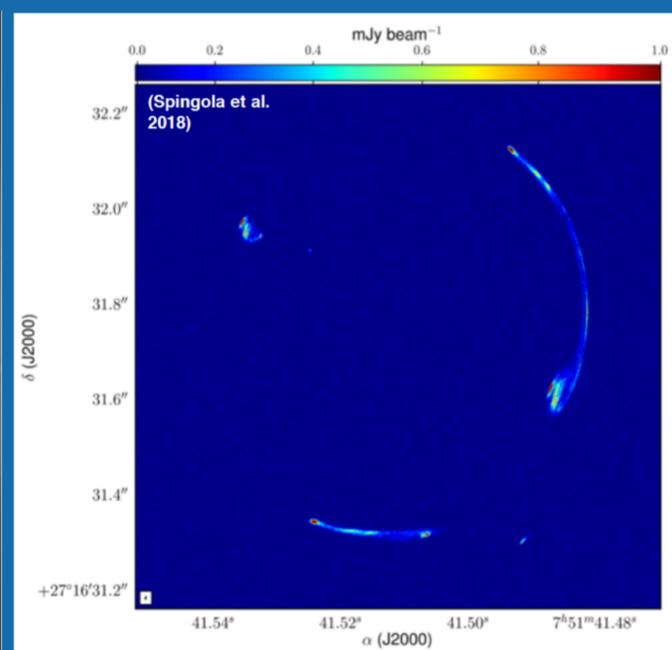
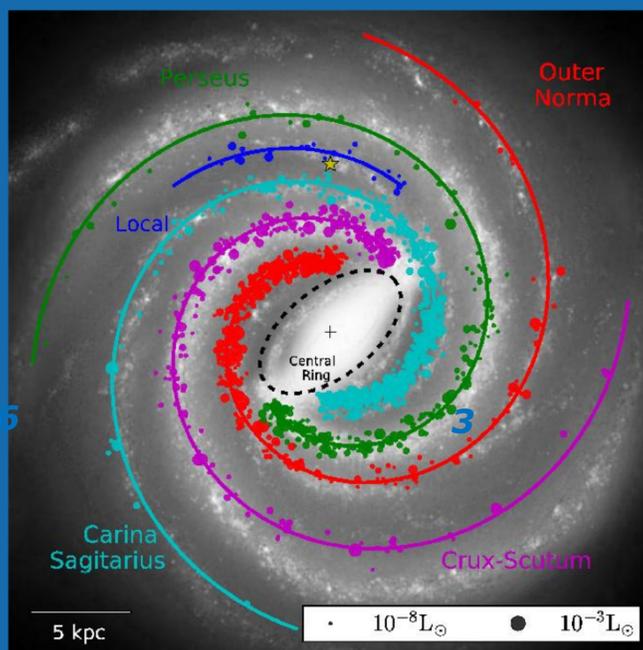
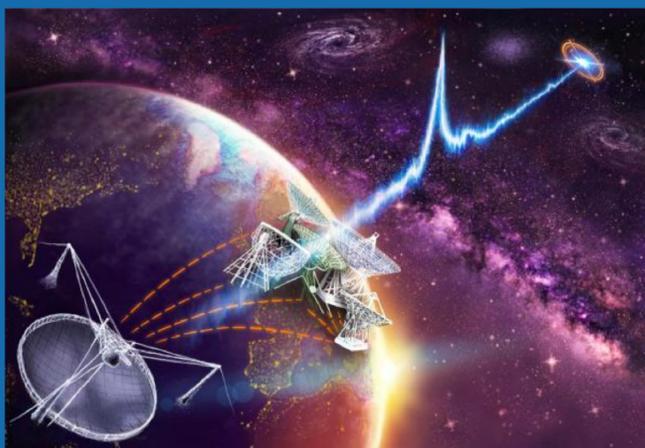
The EVN is the most sensitive VLBI array in the world, thanks to its large telescopes operating from 1.4 GHz to 45 GHz also in real-time.

The *Joint Institute for VLBI ERIC (JIVE)* is the central organisation of the EVN, it correlates the EVN data, and provides expert support to EVN users.



Image by Paul Boven (boven@jive.eu). Satellite image: Blue Marble Next Generation, courtesy of Nasa Visible Earth (visibleearth.nasa.gov).

Some examples of VLBI science

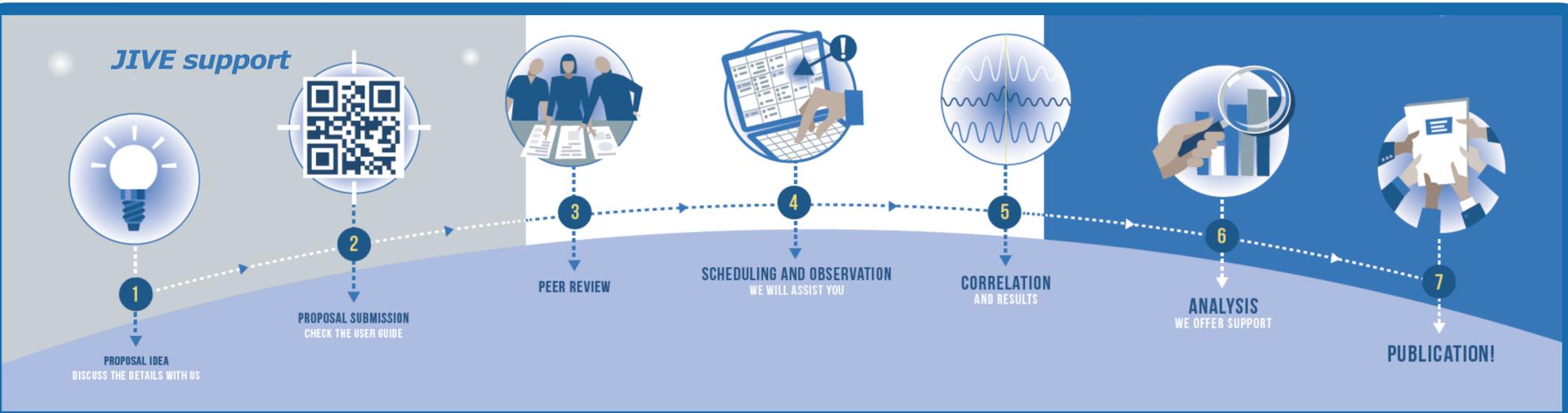


Locating (repeating) Fast Radio Bursts
Marcote et al. (2017)

Astrometry of masers
Quiroga-Núñez et al. (2017)



Dark matter by Gravitational lenses
Spingola, McKean et al. (2018), SHARP collaboration



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