

# Radio astronomy across Europe

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## Abstract

Europe has a long and outstanding history in radio astronomy. It currently hosts numerous of world-class facilities spread around the globe, some of which well-known, others being less familiar. The map below gives an overview of associated radio observatories accessible for the general astronomical community.

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### Capabilities

The receivers available on the various telescopes operate in the radio regime, covering frequencies from ~10 MHz to 1 THz. With dish-sizes ranging from ~10 to 100 meters and baselines up to >1000 kilometers, spatial resolutions can be achieved down to sub-arc-second scales, thus matching those obtained at infrared- and optical wavelengths.

### Trans-national access (TNA)

The objectives of the Transnational Access portion of RadioNet3 are

- to draw together all of the European radio facilities under one umbrella;
- to enable the European user community to have easy and transparent access to the entire range of facilities;
- to offer the European user community an integrated, professional and consistent level of user support.

website: <http://www.radionet-eu.org/transnational-access>

### Open time

Most of the observatories provide telescope time to the general astronomical community through "open access" calls.

### ERATec

The main activity of the RadioNet3 European Radio Astronomy Technical Forum is to organise and support meetings and workshops that help to identify synergies and develop complementary capabilities at the observatories, to determine how the pooling of resources might lead to common solutions for common problems and to share best practice.



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 www.apex-telescope.org  
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