

TRANSNATIONAL ACCESS

- **IMPROVES** the access of European astronomers to the major radio astronomical infrastructures that exist in, or are owned and run by, European organisations
- **DRAWS** together all of the European radio facilities under one umbrella and offers astronomers an integrated, professional and consistent level of user support

PROJECT INFORMATION

RadioNet Project Office
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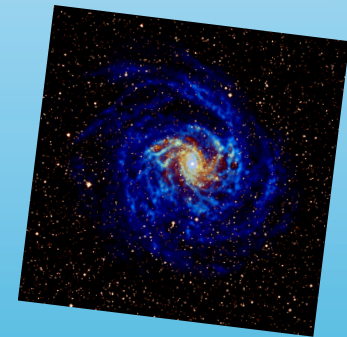
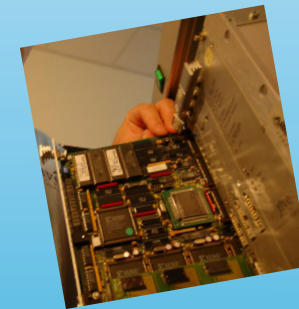
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RadioNet is an EC integrating activity that brings together all the major radio observatories in Europe, covering the frequency range of 10 MHz to 1 THz.

The overall aim is to support the radio astronomy community in general, and to improve the capabilities of, and enhance access to, the major radio astronomy facilities in Europe and beyond.



RadioNet FP7 supports state-of-the-art developments in radio astronomy via a programme of:

- **TRANSNATIONAL ACCESS**
- **JOINT RESEARCH ACTIVITIES**
- **NETWORKING ACTIVITIES**

JOINT RESEARCH ACTIVITIES

COMBINES together Europe's expertise in developing innovative technologies for radio astronomy:

- **ALBiUS** - Advanced Long Baseline interoperable User Software
- **AMSTAR+** - Focal Plane Arrays at Millimeter/Sub-millimetre wavelengths and THz frequencies for Astronomical Research
- **APRICOT** - All Purpose Radio Imaging Cameras on Telescopes
- **UniBoard** - A multi-purpose scalable computing platform for Radio Astronomy

The RadioNet FP7 project consists of a consortium of 26 partners and is made possible by the EC Seventh Framework Programme.



NETWORKING ACTIVITIES



ENSURE knowledge transfer within community between astronomers, engineers and students:

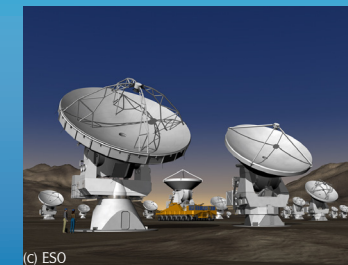
- Science Working Group
- European Radio Astronomy Engineering Forum
- Training for Radio Astronomers

SUPPORT combined European endeavours to protect the radio frequency spectrum for astronomical use via the Committee on Radio Astronomy Frequencies (CRAF)

Project Coordinator: Prof. Dr. M.A. Garrett (ASTRON)
 Project Manager: Ir. A. van Es (ASTRON)
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RADIONET - advanced RADIO ASTRONOMY IN EUROPE

Contract number 227290 within the integrating activity: 'Combination of Collaborative Project and Coordination and Support Action' of the EC Seventh Framework Programme

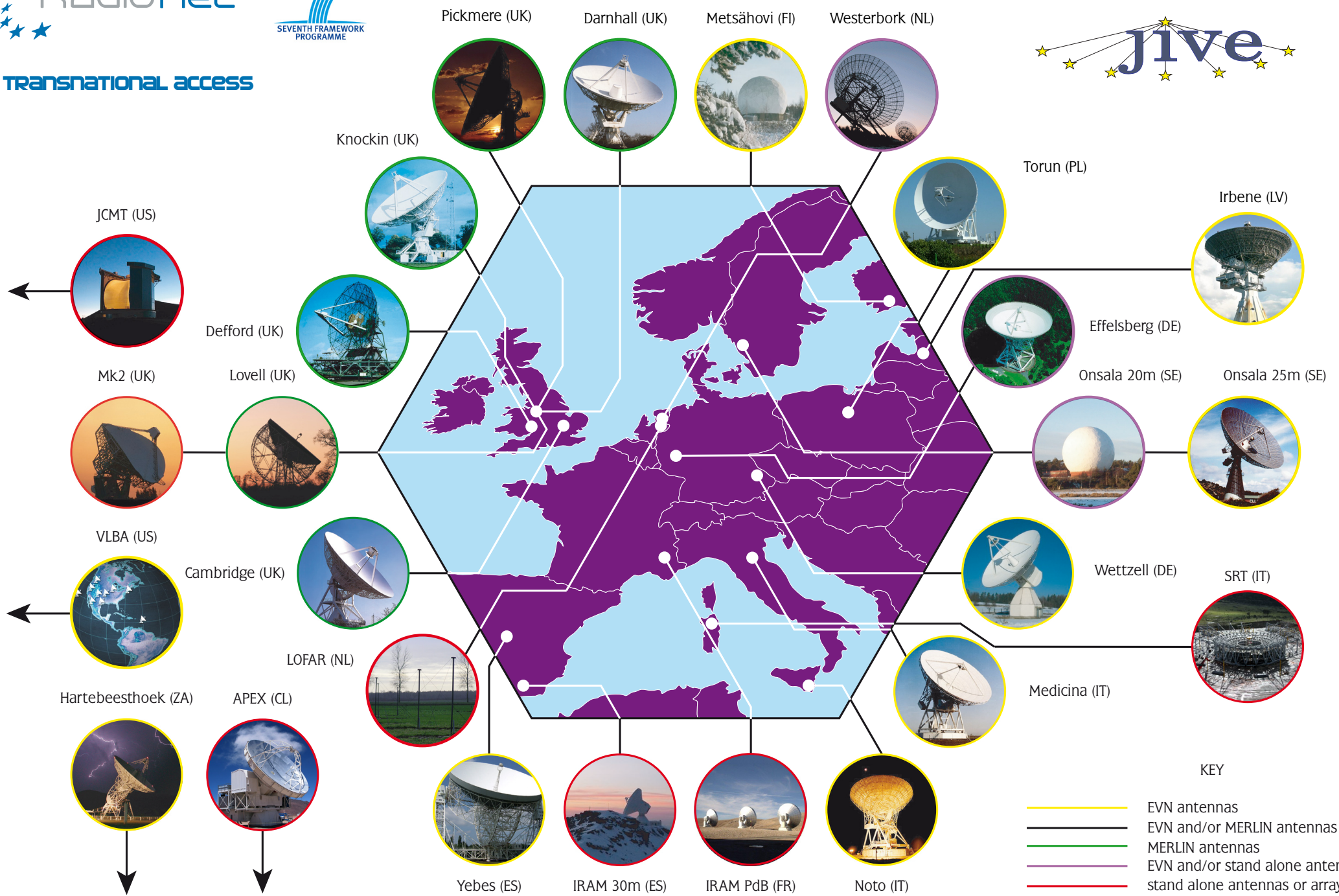


(c) ESO
 Atacama Large Millimetre Array (ALMA)



The Square Kilometer Array (SKA)

Artists Impression of the next generation radio telescopes



KEY

- EVN antennas
- EVN and/or MERLIN antennas
- MERLIN antennas
- EVN and/or stand alone antennas
- stand alone antennas or arrays

Pickmere (UK) Darnhall (UK) Metsähovi (FI) Westerbork (NL)

Knockin (UK)

Torun (PL)

Irbene (LV)

JCMT (US)

Defford (UK)

Effelsberg (DE)

Mk2 (UK)

Lovell (UK)

Onsala 20m (SE)

Onsala 25m (SE)

VLBA (US)

Cambridge (UK)

Wettzell (DE)

SRT (IT)

LOFAR (NL)

Medicina (IT)

Hartebeesthoek (ZA)

APEX (CL)

Yebes (ES)

IRAM 30m (ES)

IRAM PdB (FR)

Noto (IT)