



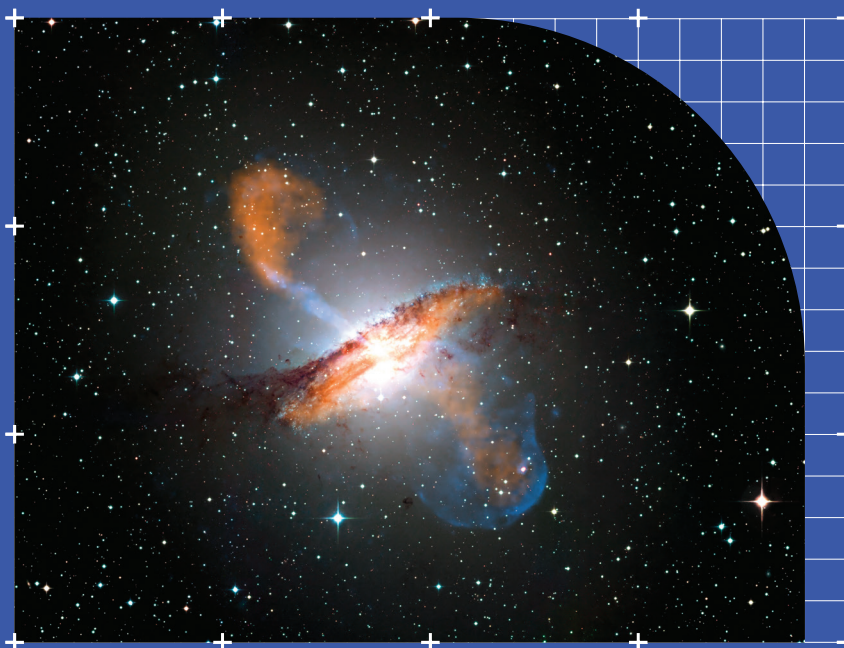
## ORP MISSION



The Opticon RadioNet Pilot (ORP) brings together 37 institutions from the ground-based astronomy community to deliver and to support seamless access to telescopes and archives. ORP provides no-cost access to an unrivalled set of major observatories and archives across the world covering the optical infrared and sub-mm to metre radio wavebands.

The ORP facilitates astrophysical research access to a comprehensive set of Research Infrastructures by supporting harmonised and updated proposal systems, simplified access to multiple facilities, developing unified data interfaces, and implementing dedicated user support services for complex and specialised facilities.




Composite multi-wavelength image from Centaurus A's lobes and jets emanating from the active galaxy's central black hole. Radio from APEX in orange, X-ray from the Chandra X-ray Observatory in blue and optical from the MPG/ESO 2.2m telescope. Credit: ESO/WFI (Optical), MPIfR/ESO/APEX/A.Weiss et al (Radio), NASA/CXC/CfA/R.Kraft et al (X-ray).



## ORP PARTNERS



## CONTACT INFORMATION

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-  [@ORP\\_Astro](https://twitter.com/ORP_Astro)



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# BRINGING THE ASTRONOMICAL COMMUNITY TOGETHER







**01**  
EVN-EFFELSBERG  
Germany



**02**  
EVN-IRBENE  
Latvia



**03**  
EVN-JIVE  
Netherlands



**04**  
EVN-JODRELL BANK  
United Kingdom



**05**  
EVN-MEDICINA  
Italy



**06**  
EVN-METSÄHOVI  
Finland



**07**  
EVN-NOTO  
Italy



**08**  
EVN-ONSALA  
Sweden



**09**  
EVN-SARDINIA  
Italy



**10**  
EVN-TORUN  
Poland



**03**  
EVN-WESTERBORK  
Netherlands



**11**  
EVN-YEBES  
Spain



**04**  
e-MERLIN  
United Kingdom



**12**  
LCO-ALI OBSERVATORY  
1M TELESCOPES  
Tibet, China



**13**  
LCO-CERRO TOLLO  
OBSERVATORY 1M  
& 0.4M TELESCOPES  
Chile



**14**  
LCO-HALEAKALA  
OBSERVATORY  
0.4M TELESCOPES  
Hawaii, USA



**15**  
LCO-MCDONALD  
OBSERVATORY 1M  
& 0.4M TELESCOPES  
USA



**16**  
LCO-SIDING SPRING  
OBSERVATORY 1M  
& 0.4M TELESCOPES  
Australia



**17**  
LCO-SOUTH AFRICAN  
ASTRONOMICAL OBSERVATORY  
1M & 0.4M TELESCOPES  
South Africa

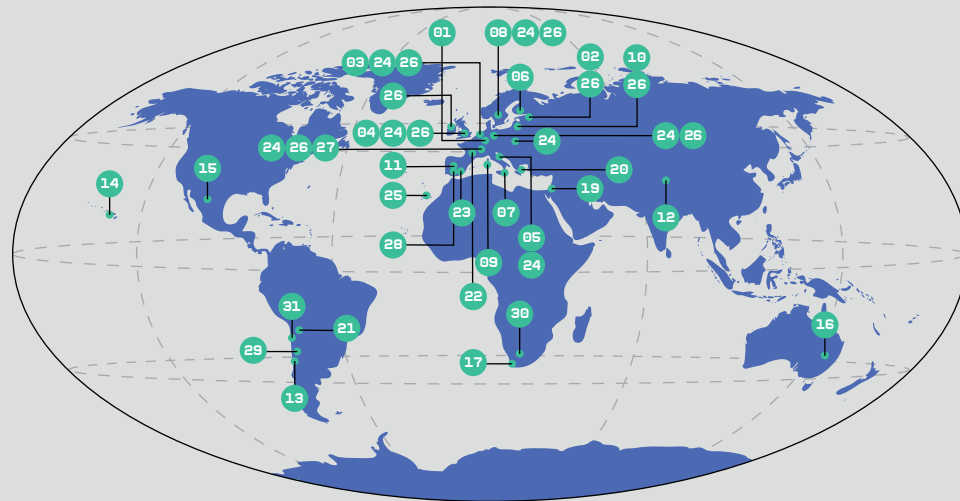


**18**  
LCO-TEIDE  
OBSERVATORY 1M  
& 0.4M TELESCOPES  
Canary Islands, Spain



**19**  
LCO-WISE  
OBSERVATORY  
1M TELESCOPES  
Israel

● Infrastructure location



**20**  
ARISTARCHOS  
TELESCOPE  
Greece



**16**  
ANGLO-AUSTRALIAN  
TELESCOPE (AAT)  
Australia



**21**  
ATACAMA  
PATHFINDER  
EXPERIMENT (APEX)  
Chile



**22**  
BERNARD LYOT  
TELESCOPE (TBL)  
France



**23**  
CALAR ALTO  
OBSERVATORY  
(CAHA)  
Spain



**14**  
CANADA  
FRANCE HAWAII  
TELESCOPE (CFHT)  
Hawaii, USA



**18**  
CARLOS SÁNCHEZ  
TELESCOPE  
Canary Islands, Spain



**01**  
100-METER  
RADIO TELESCOPE  
EFFELSBERG  
Germany



**24**  
EUROPEAN ALMA  
REGIONAL CENTRE  
NETWORK - ARC  
Czech Republic,  
France,  
Germany,  
Italy,  
Netherlands,  
Sweden,  
United Kingdom



**25**  
LIVERPOOL  
TELESCOPE  
Canary Islands, Spain



**26**  
LOW-FREQUENCY  
ARRAY (LOFAR)  
France,  
Germany,  
Ireland,  
Latvia,  
Netherlands,  
Poland,  
Sweden,  
United Kingdom



**02**  
LOFAR LONG  
TERM ARCHIVE  
- LTA  
Netherlands



**18**  
NORDIC OPTICAL  
TELESCOPE  
Canary Islands, Spain



**27**  
NORTHERN EXTENDED  
MILLIMETER  
ARRAY (NOEMA)  
France



**27**  
OBSERVATOIRE  
DE HAUTE-  
PROVENCE (OHP)  
France



**28**  
30-M  
PICO VELETA  
TELESCOPE  
Spain



**29**  
RAPID  
EYE MOUNT  
TELESCOPE (REM)  
Chile



**09**  
SARDINIA  
RADIO TELESCOPE  
Italy



**30**  
SOUTHERN  
AFRICAN LARGE  
TELESCOPE  
South Africa



**18**  
TELESCOPIO  
NAZIONALE GALILEO  
Canary Islands, Spain



**31**  
VERY LARGE  
TELESCOPE  
INTERFEROMETER (VLT)  
Chile



**03**  
WSRT APERTIF  
LONG TERM  
ARCHIVE - ALTA  
Netherlands



## SUPPORTING THE COMMUNITIES

Bringing together radio and optical astronomers creates a stronger community to better deliver the opportunities of multi-wavelength science, and to benefit from each other's expertise. It also requires what ORP helps deliver: simpler access processes, more specialist user support, dedicated training, and improvements in common software systems.



## HARMONISED SERVICES AND TOOLS

Multi-wavelength astrophysics has huge scientific potential and this requires that the full suite of required facilities can be accessed through a single scientific assessment. Implementing this single-proposal single-review system is a major ambition for ORP, which is developing new proposal software, with underlying technical and validation systems.



## TRANSNATIONAL ACCESS

ORP provides competitive free access to excellent astronomical infrastructures Europe's largest radio telescopes and interferometer networks covering sub-mm to metre wavelengths, optical/IR telescopes from 0.4m to 10m diameter, and a time-domain astronomy network, all supplemented by dedicated user support to ALMA, VLT, and adaptive optics telemetry data.



## VIRTUAL ACCESS

Archive access is a major contributor to new science, and provides critical information for time-domain and transient astrophysics. Through ORP we provide access to several specialist archives among them the world's most advanced open-access radio archives, and work to simplify access to others where beneficial.



## TRAINING FUTURE GENERATIONS OF ASTRONOMERS

ORP is organising dedicated schools and workshops to build capacity, to allow under-represented communities to become competitive and integrated, and to train early-career scientists. An important goal is to ensure the new opportunities provided by ORP's encouragement of multi-wavelength and time domain astronomy is widely understood and implemented.



## POLICY DEVELOPMENT

ORP is mandated by the European Commission to review the sustainability of models of future long-term funding to support transnational access. What will come after ORP? Open-skies transnational access underpins much of the success of modern astrophysics. Ensuring this is sustainable is a key challenge for our communities.