

# Funded developments at the italian radio telescopes

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# Funds for Italian radio astronomy



## PON - Programma Operativo Nazionale

“Improvement of the Sardinia Radio Telescope to the higher frequencies”

Rather extended funding from EU

Only equipment or device purchases.

No personnel hiring allowed.

Only 15% can be spent outside Sardinia

32 months long, included financial reporting.

## MIUR SRT and VLBI

More limited funding from MIUR

No restrictions regarding personnel or how and where money are spent

no time limit for financial reporting

# SRT

## Frontends

Q-band (19 pixels, 33-50GHz, IF 2-18GHz) (PON)

W-band (9 pixels, 75-116GHz, IF 4-12GHz) (PON)

W-band bolometer (300-400 pixels, 80-115 GHz) (PON)

simultaneous 3-band (18-26, 33-50, 80-116 GHz, IF 2-18GHz) (PON)

## Backends

DBBC3 (PON)

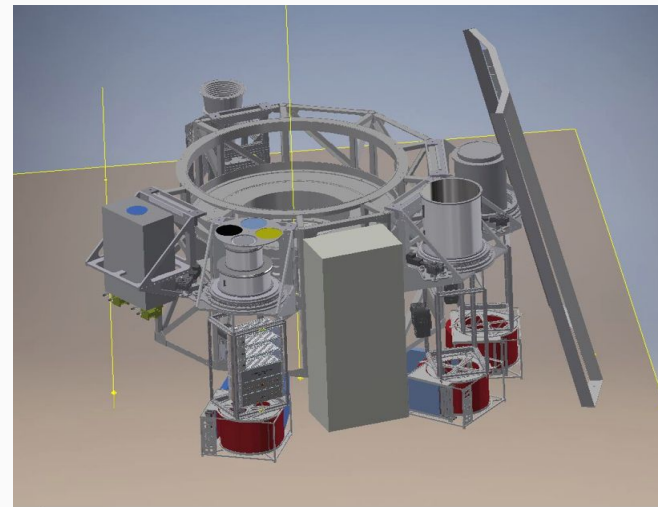
Digital spectropolarimeter (up to 19 dual pol. channels, up to 0.4 KHz per bin, down to 10ms integration) (PON)

## Infrastructure

Metrology system (Holography, temperature sensor network and laser ranger) (PON)

H.P.C. and data storage (PON)

Revamping of Minor Servo Systems (MIUR)



# Medicina & Noto

## Noto

L-S-X band receiver (1.316-1.722GHz, 2.213-2.389 GHz, 8.205-8.938) (INAF)

DBBC3 (PON)

simultaneous 3-band (18-26, 33-50, 80-116 GHz, IF 2-18GHz) (PON)

Revamping minor servo system (subreflector and primary focus) (MIUR)

New cryo pipes and cooling system (MIUR)

Active surface refurbishment and photogrammetry (MIUR)

New secondary mirror (MIUR)

## Medicina

Active Surface System (new aluminium panels and actuators and secondary mirror) (MIUR)

DBBC3 (PON)

simultaneous 3-band (18-26, 33-50, 80-116 GHz, IF 2-18GHz) (PON)



# (very) tentative timeline

