

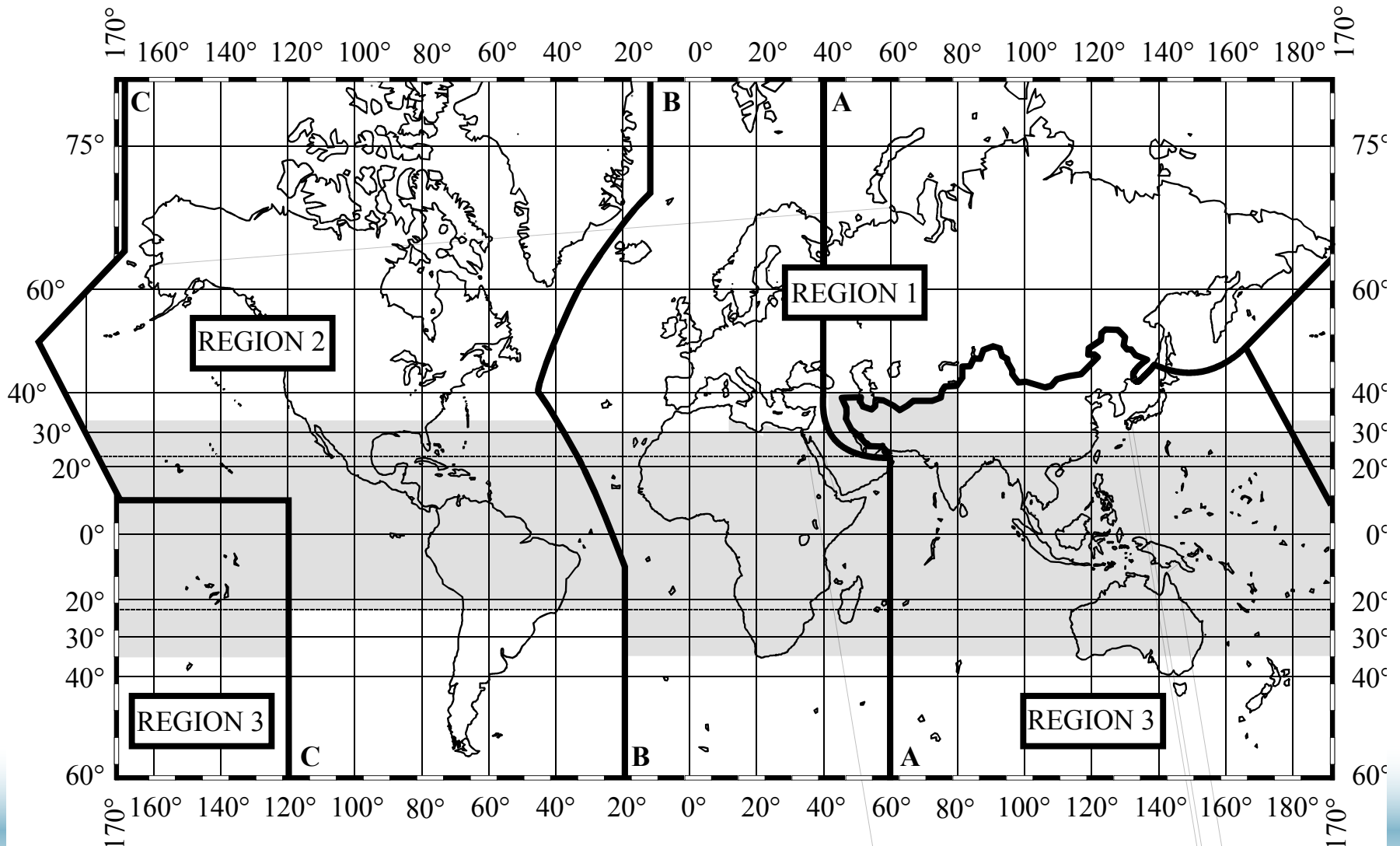
Asia Pacific Telecommunity and RAFCAP

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Regions 1, 2 & 3 (RR 5.2)



The shaded part represents the Tropical Zones as defined in Nos. 5.16 to 5.20 and 5.21.

Regional Groups

- ▲ CEPT – Europe
- ▲ CITEEL – North and South America
- ▲ APT – Asia-Pacific region
- ▲ ASMG – Arab group
- ▲ RCC – former Soviet union countries
- ▲ ATU – African group

→ They prepare common proposals for
WRC agenda items.

Regional Groups

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APT

<https://www.apr.int>



ASIA-PACIFIC TELECOMMUNITY

Advance Search

Search

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Bangkok, Thailand

Navigation

- Home
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- APT Membership
- APT Work Programme Areas
- APT Meetings
- APT Publications
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APT Preparatory Activities

APT Preparatory Activities for PPs.
APT Preparatory Activities for WRCs
APT Preparatory Activities for WTDCs
APT Preparatory Activities for WTSAs
APT Preparatory Activities for WCIT

Interview



Asia-Pacific Telecommunity

APT is one of the key organizations of governments, spearheading development and innovation programs in cooperation with telecom service providers, manufacturers of communication equipment and research and development organizations in the field of Communications and Information Technology. APT serves member countries on ICT in the Asia Pacific Region.



Meetings

The 1st Meeting of the Correspondence Group for the Strategic Plan of the APT for 2021-2023 (CGSP-1)
2 - 3 April 2020
Bangkok, Thailand

The 26th Meeting of APT Wireless Group (AWG-26)
20 - 24 April 2020
Bangkok, Thailand

The 2nd Meeting of the APT Preparatory Group for WTSAs (APT WTSAs-2)
13 - 15 May 2020
Bangkok, Thailand

The 32nd APT Standardization Program Forum (ASTAP-32)
18 - 21 May 2020
Bangkok, Thailand

The South Asian Telecommunication Regulators' Council (SATRC) Workshop on Recent Trends and Technologies

News/ Announcements/ Photos

Attention for delegates attending meetings in Thailand

SATRC Workshop on Recent Trends and Technologies has been postponed to 24-26 June 2020

AWG-26 has been postponed to 20-24 April 2020

APT WTSAs-2 has been postponed to 13-15 May 2020

Calendar of APT Events in 2020
(updated on 2 March 2020)

APT Official Holidays in 2020

List of APT Training Courses in 2019
List of APT Training Courses (under EBC-J) in 2019
(updated on 21 February 2020)

Quick links

- » APG
- » ASTAP
- » AWG
- » GA
- » MC
- » CGMM
- » HRD
- » ICT
- » PRF
- » PRFP
- » SATRC
- » APT Ministerial Meetings
- » AFIS

Publication

APT's publications are aimed at promoting better understanding among the Telecommunity and increasing awareness and understanding of APT's activities, strategies, and objectives among the public. Through its publications, APT has contributed to the sharing of information for telecom and ICT development in the region.

» APT Yearbook
» Newsletter

APT

- ▲ 38 member countries – states
- ▲ 4 associated members (Cook Islands, Hong Kong, Macao, Niue) – territories
- ▲ Affiliate members – enterprise, agency, institute, organization, association

(as of March, 2020)

APG

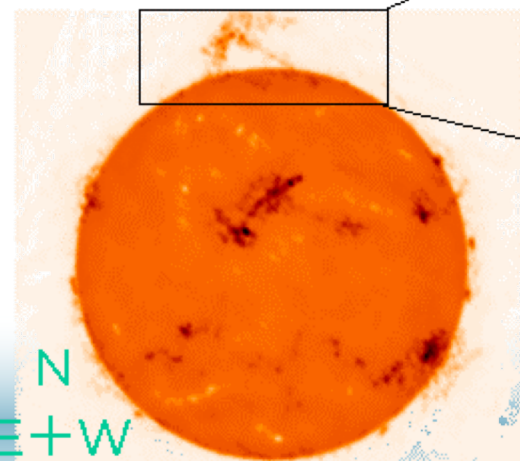
- ▲ APT Conference Preparatory Group
- ▲ 5 meetings in a single study cycle
 - APG23-x (x=1-5)
 - APG23-5 will finalize APT Common Proposals → WRC-23
 - APT members are bound to these APT common proposals once they join them (each member may have different positions from the APT common proposals)

Radio Telescopes in Japan/South Korea



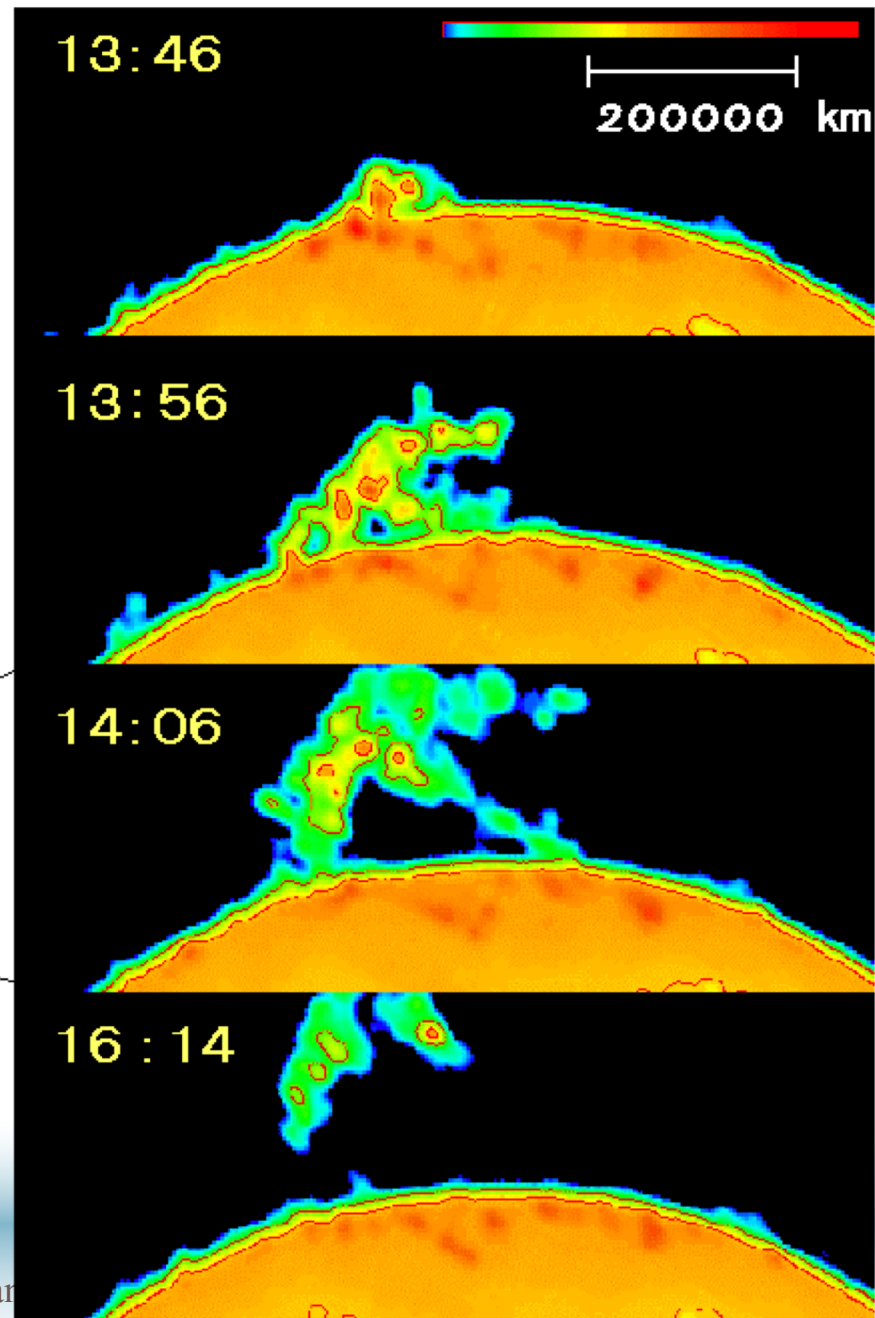
March 3, 2020

Nobeyama radio interferometer



N
E+W
S

August 13 1998



Radio Telescopes in Australia

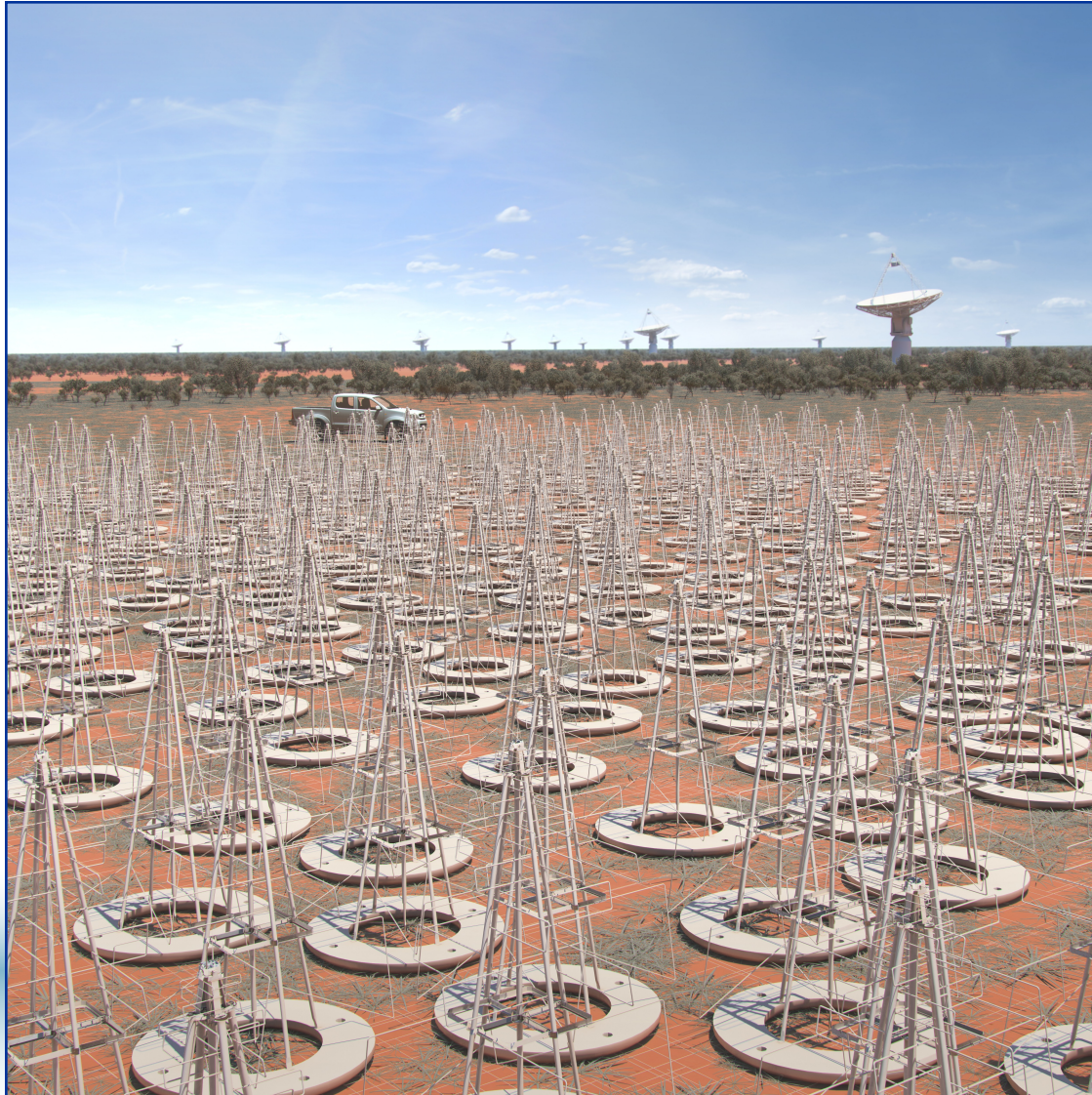


March 3, 2020

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<https://spaceexplorationjl.weebly.com/locations-of-australian-parkes-radio-telescope.html>

Square-Kilometre Array Australia

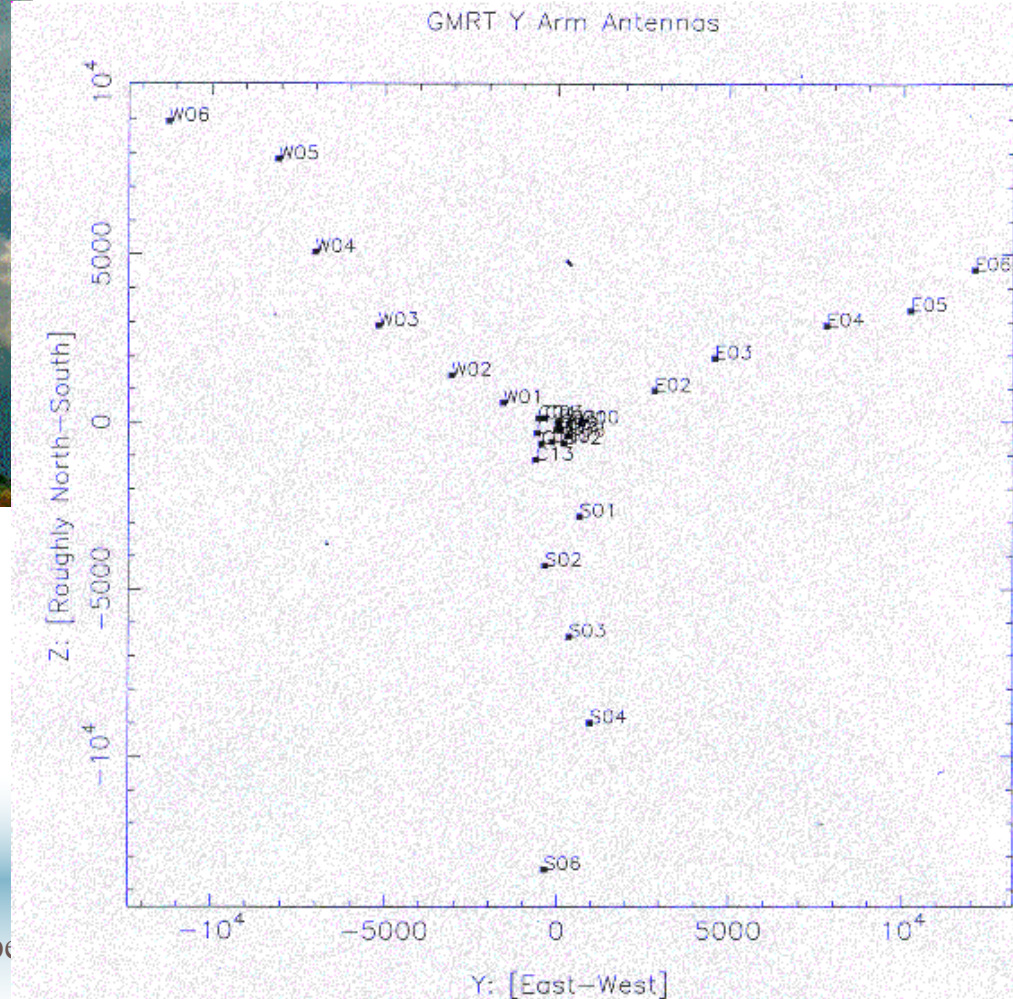


March 3, 2020

GMRT (Giant Meterwave Radio Telescope) in India



30 x 45m telescope
50 – 1500 MHz



(old) Chinese Radio Telescopes



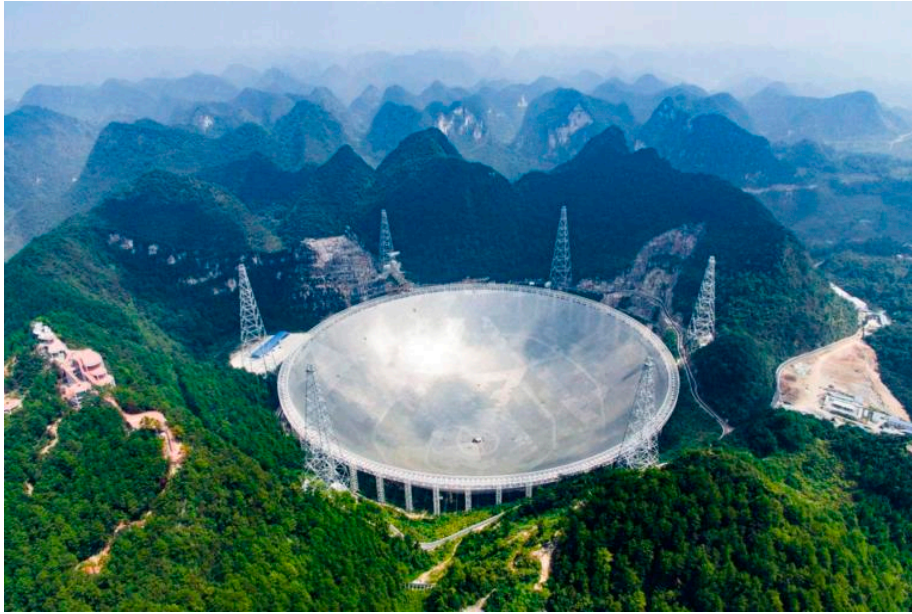
Nanshan 25m



Sheshan 25m

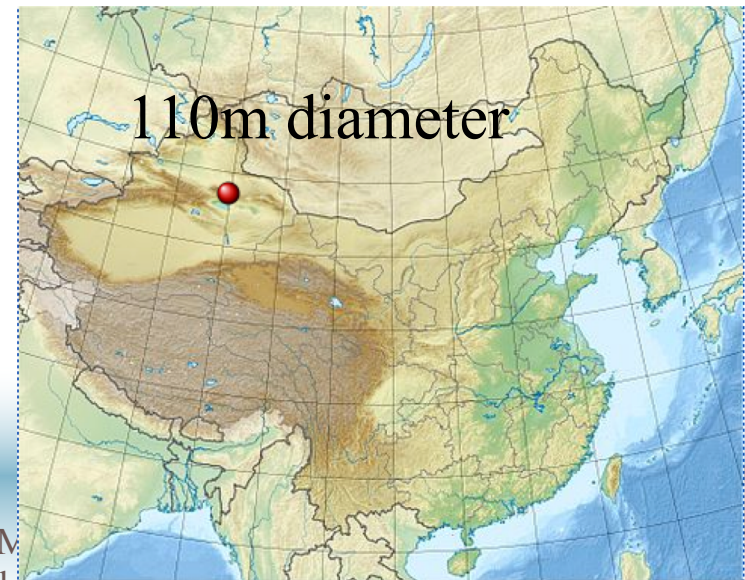
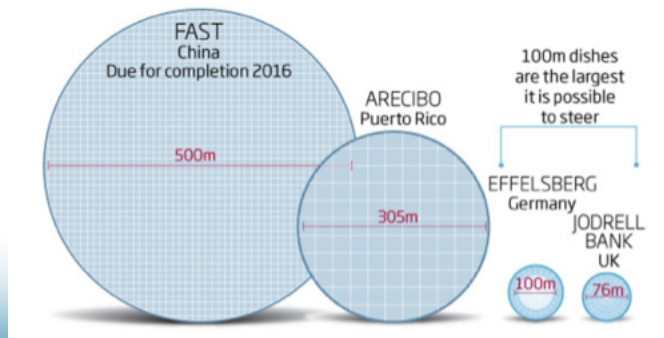


(new) Chinese Radio Telescopes



Tianma: 65m diameter

Radio astronomy will get a big boost with FAST, the world's most sensitive radio telescope



Location of Qitai Radio Telescope

March 3, 2020

IUCAF Spectrum M
School

Radio Astronomy Network and Geodesy for Development (RANGD) (2017-2021)

National Astronomical Research Institute of Thailand (NARIT)

- Thai National Radioastronomy Observatory (**TNRO**)
 - 40m Thai Radio Telescope (**TNRT**)
 - 13m VGOS Telescope
- Receiver and Electronics Laboratories

TNRT's specifications

- ▲ 'Updated' version of IGN's 40m Yebes Radio Telescope
- ▲ 40m Paraboloid Antenna, Cassegrain-Nasmyth optics
- ▲ 150 μm (rms) total surface accuracy (@52EL)
- ▲ 300 MHz - 115 GHz
- ▲ Slew: Az 3 deg/s, EL 1 deg/s
- ▲ Pointing: 2" (no wind),
6" (5 m/s wind)
- ▲ Prime-Focus Tetrapod Head Unit (THU)



RA frequency groups

- ▲ **IUCAF** : IAU + URSI + COSPAR

- ▲ Europe -- **CRAF**

Committee for Radio Astronomy Frequencies

- ▲ US -- **CORF**

Committee on Radio Frequencies

- ▲ AP region -- **RAFCAP**

During AP-RASC'01

Radio Astronomy Frequency Committee
in the Asia-Pacific region

RAFCAP
was established

<https://www.atnf.csiro.au/rafcap/>

Current Members

Chairperson -- Haiyan Zhang (NAO, China)

Secretary -- Tasso Tzioumis (ATNF, Australia)

S. Ananthakrishnan (GMRT, TIFR, India)

Masatoshi Ohishi (NAO, Japan)

Osamu Kameya (NAO, Japan)

Bong-won Sohn (KASI, South Korea)

Sang-sung Lee (KASI, South Korea)

Chen Ming-Tang (ASIAA, Chinese Taipei)

Nafizah G Khan (Astronautic Technology,
Malaysia)

Zamri Zainal Abidin (U. of Malaya, Malaysia)

Sergei Gulyaev (Auckland University, NZ)

Roll of RAFCAP

- ▲ Unify Voice (common strategy) for WRC/APGs
- ▲ Talk to each administration
- ▲ Attend WP7D and other meetings of ITU
- ▲ Coordinate with other services in each country
- ▲ Educate Radio Astronomers (^_^!