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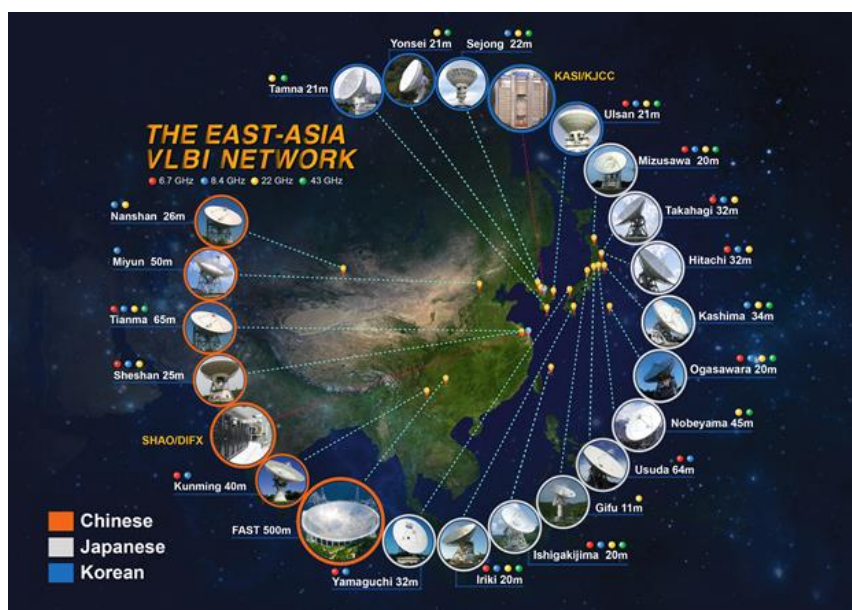
OPR: Department of Geodesy, NGII, MOLIT

Contact Information : PARK Chan Yeol, LEE Sang Oh (044-860-4001, 4010)

#MOU#EAVN#NGII

Observing Space with World-Class Radio Telescope

Paving the way for concrete cooperation with the signing of a cooperation MOU
for East Asia VLBI Network (EAVN)



(Photo : Nature Astronomy)

The National Geographic Information Institute (NGII, Director Sangong Ho-sang) of The Ministry of Land, Infrastructure and Transport (MOLIT) announced the signing of an MOU for joint operation and technical cooperation of East Asia VLBI¹ Network (EAVN) with 7 agencies² from 3 East Asian countries.

EAVN is a network of 22 space radio telescopes in four countries, including Korea (its range is about 10,000 km). It is an observation network comparable to the US Very Long Baseline Array (VLBA), which is the world-best space radio observation network, and Europe EVN (Europe VLBI Network) in performance.

It is expected that this MOU will enable the researchers, both domestic and overseas, to use NGII's

¹ VLBI (very long baseline interferometry): The applied research technique for a geodetic survey, astronomy, and geophysics. It receives, measures, and analyzes the radio waves emitted from the quasars billions of light-years away from the Earth with more than 2 space radio telescopes on the Earth.

² (Korea) the National Geographic Information Institute and the Korea Astronomy and Space Science Institute / (China) Shanghai Astronomical Observatory, Xinjiang Astronomical Observatory, and Yunnan Astronomical Observatory / (Japan) the National Astronomical Observatory / (Thailand) Astronomical Research Institute

space radio telescope free of charge.

In addition, as it has the world-best precision and resolution, the space radio telescope will be used in a wide range of research such as tracking the location of a space probe, geodetic survey, and astronomy.

In particular, for the researchers in East Asia, including Korea, this MOU will increase their accessibility to a space radio observation network, which has so far been limited to the United States and Europe.

Those who wish to use of the space radio telescope can download and fill out the observation proposal form from the EAVN website³. The EAVN Operational Board of Directors will review the application and notify the applicant of the final result.

NGII plans to expand support for private research in an attempt to enhance the usability of the geodetic survey infrastructure (gravity, geomagnetism, etc.) and the data that it retains.

For further information regarding the above article or request for covers,
please contact Chan Yeol PARK (044-860-4001) or (Emily) Seonwoo PARK (044-201-3056)

³ * https://radio.kasi.re.kr/eavn/main_eavn.php