

TNRO: current status and its benefits for geophysics

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Since October 2016, NARIT has been preparing for a mega-project: Thailand national radio observatory (TNRO). It is a collaboration with the national geographical institute of Spain (IGN) to construct and operate a 40-metre radio telescope in Chiang Mai, Thailand. This presentation reviews the current status of the project. A plan of the construction is stated as well as expected outputs and academic researches. We would like to point out that the telescope will serve not only for astronomical purposes but also geodetic very-long-baseline interferometry (VLBI). The Geodetic VLBI could provide precise positions up to the level of 1 millimetre. Therefore, there are potential benefits for geophysical studies in an area of Northern Thailand especially about movements of tectonic plates.

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