



## Mapping groundwater sources

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- Council of Scientific & Industrial Research in collaboration with National Geophysical Research Institute (NGRI) have undertaken **High Resolution Aquifer Mapping and Management in Arid Regions of North Western India to augment the groundwater resources.**
- Heli-borne geophysical mapping technique of CSIR-NGRI provides high resolution 3D image of the sub-surface up to a depth of 500 metres below the ground. This technique is cost-effective, precise and is **useful to map large areas within a short time to map the vast extent of groundwater resources in arid regions of our country.**
- The entire **work will be completed by 2025 with more than 1.5 lakh square kilometers of area** with an estimated cost of 141 crore rupees. The ultimate aim of this project is to map the potential sites for groundwater withdrawal and conservation.
- Mapping groundwater sources will help to utilise groundwater for drinking purposes and supplement Prime Minister Modi's Har Ghar Nal Se Jal Mission.