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CTBTO Roadmap for Infrasound Technology Evolution

The Infrasound Technology Roadmap (ITR) projects existing technological accomplishments into near-future technical targets that can sustain the CTBTO's effectiveness and relevance to the verification regime. The ITR has a time horizon of seven years, and its activities are closely aligned to the Provisional Technical Secretariat's Technology Foresight Program, which extends its perspective to 20+ years. Phase I of the Roadmap effort requested input from the international infrasound community through a Request for Contributions. This was an inclusive, participatory effort where individual or coordinated groups of scientists identified and assessed technological advances that would yield a more reliable, sustainable and trustworthy monitoring system. Phase II refined the technical target definitions and developed a draft ITR document that provided a summary of selected, prioritized focus areas and a draft timeline for technology evolution within the Roadmap's horizon. Phase III was concerned with assessing and incorporating recommendations from the review of the ITR document by contributing partners. Here we summarize the Infrasound Technology Roadmap and present a proposed, prioritized timeline for infrasound technology evolution to stimulate discussions and feedback in a multi-disciplinary science forum.

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