

ESTABLISHMENT OF THE CTBT IMS INFRASOUND NETWORK – A STATUS REPORT

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Steady progress has been made in the establishment of the IMS infrasound monitoring network. To date 92% of the site surveys for the 60 infrasound stations in the network have been completed, 60% of the stations are transmitting continuous data to Vienna, and 57% of the stations have been certified. The global distribution pattern of infrasound stations transmitting data to Vienna shows a more and more complete network in the southern hemisphere. Except for two Antarctica stations, the southern network is expected to reach completion at the end of 2007. In the northern hemisphere, only one regional network cluster has formed so far in the North American region. All other northern stations still remain scattered within a large area, with a number of inter-linking stations under construction. Because of political difficulties, the northern network might not reach the completeness of its southern counterpart in the foreseeable future. This presentation will focus on an overview of recent progress made in the establishment of the global infrasound network, and also present some of the challenges and difficulties encountered in this program.