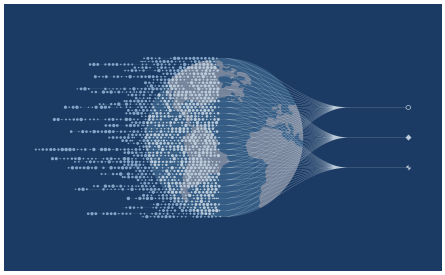

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# Decision Making and Sustainment of Seismic and Infrasound IMS Network: From a Data-Driven Methodology to Network Summary in The Multi-Technology Integration Portal (MuTIP)

The rapid evolution of information technology has revolutionized traditional ways of working and helped to create tools to support the technical divisions of the Commission in their activities. By benefiting from it, a data-driven software tool "Network Summary in The Multi-Technology Integration Portal (MuTIP)", is being developed to streamline International Monitoring System (IMS) sustainment decision making. The tool retrieves data from various sources, transforms it and models it, and then presents it to the end users. The visualization of the data shows a projection of the seismic and infrasound IMS network status for the upcoming 20 years. This data-focused approach and visualization serve to identify pain points and potential issues and help to prioritize the work that needs to be done on the IMS stations, and thus contribute to protecting and sustaining the unique global alarm system that plays a crucial role in global peace and security.

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