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## Interactive event detection assessment of the International Monitoring System

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Hourly maps with the average and worst-case event detection capability of the seismic component of the CTBTO's International Monitoring System have, for many years, been accessible via CTBTO's secure web portal. The basis for these maps is estimates calculated by the Threshold Monitoring method, which has been part of CTBTO's processing pipeline since the establishment of the International Data Centre. To utilize the full potential of the Threshold Monitoring data accumulated in the processing pipeline, NORSAR has developed software to interactively explore the data in a flexible manner. With support from the International Data Centre staff, a new web interface is made available to CTBT States Signatories where the event detection capability can be displayed and analysed for any user-selected time interval and geographical region. This is particularly useful as the event detection capability can vary significantly with time during situations such as high station noise levels, large earthquakes, or outages of key stations. In this e-poster we illustrate the functionality of the new tool and show results for different real scenarios.

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