

of the North Stream Underwater Blasts in the Baltic Sea on 26 September 2022

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On 26 September, 2022 the International Monitoring System (IMS) detected two seismic events near the Danish island of Bornholm. The events were seen in both seismic and infrasound data and were located near the positions where large gas leaks from the North Stream were later observed. The events were furthermore recorded by seismographs in the surrounding countries and analysed at the National Data Centres. The waveforms exhibited clear properties of underwater blasts with significant P energy and much smaller S- energy, as well as other characteristics not associated with natural earthquakes. Further analysis revealed that particularly the second event may consist of multiple blasts close in time and space. Analysis of the events included integration between IMS data and regional data from Denmark, Sweden, Germany and Norway, and served as an exercise in collaboration during an international crisis.

Promotional text

The 26 September, 2022 blasts on North Stream in the Baltic Sea were recorded by the IMS as well as by local seismic networks. Analysis of the events included integration between IMS data and local data from Denmark, Sweden, Germany and Norway.

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