

Seismic Events Discrimination at Kenya National Data Centre

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The International Data Centre routinely applies event screening or discrimination in order to characterize events as either natural or anthropogenic. A number event discriminants are presented in literature. At the Kenya National Data Centre (KE-NDC), a systematic and step by step procedure of events discrimination are applied to seismic events. Results from the discriminants adopted are obtained within a short time and the discriminants are easy and fast to use. The discriminants used at KE-NDC are ranked in an hierarchy based on complexity and ease of returning results within the shortest time possible to allow events discrimination and dissemination of results. Some of the discriminants used include (i) hypocenter parameters based on events relocation, (ii) magnitude determination, (iii) mb:Ms criteria and (iv) focal mechanism determination. These discriminants and examples of events characterization will be presented during the SnT2022.

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Promotional text

The results from the works described in this abstract complement the CTBTO's efforts in verifying compliance with the Treaty by States Signatories.

Oral preference format

in-person

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