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New Approach to Supportability Analysis for the IMS, based on the Cross-Industry Standard Process for Data Mining (CRISP-DM)

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Sustaining a technically complex and globally distributed network such as the International Monitoring System (IMS) presents multiple challenges, particularly when combined with the high levels of data availability required. To this end, the IMS Analysis Team has already developed several components of an integrated support system, including various data gathering methods, supporting analysis and modelling capability, for decision making. Building on this earlier work and the lessons learned, the need for a standardized data mining approach to supportability analysis was recognized. The poster shows how the Cross-Industry Standard Process for Data Mining (CRISP-DM) framework as a best practice can be applied in IMS.

Primary author: BENICSAK, Peter (CTBTO Preparatory Commission)

Presenter: BENICSAK, Peter (CTBTO Preparatory Commission)

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