

the IMS in the framework of the International System of Units (SI)

Tuesday, 20 June 2023 16:30 (1 hour)

Any system that intends to provide reliable and trustworthy information demands quality processes that are commensurate with the complexity of the system and criticality of the data. The IMS is highly demanding in both respects. Therefore, the quality system infrastructure being developed and implemented for the IMS seismo-acoustic operations aims at realising these goals through unprejudiced operational procedures and objective data analysis.

This panel will consider the implications for the evolving quality system, building on the latest international developments in low-frequency sound and vibration metrology, such as the European Infra-AUV project.

Potential impacts and benefits include; improvements in the credibility of data through traceability to the International System of Units (SI) and knowledge of the associated uncertainty, and enhanced operational transparency and impartiality enabled by conformity assessment. The panel will consider the practicalities in implementing these innovations into IMS stations operations, alongside evolving best-practices across seismo-acoustic technologies, within the wider quality system developments.

Collectively, the panel members provide leading expertise in metrology and the provision of specialist measurement services, and in the vital operational considerations for the effective adoption of new developments. The panel will also address questions and issues that the broad spectrum of stakeholders may wish to raise.

Oral preference format

Promotional text

E-mail

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Session Classification: Panel discussion on Metrology

Track Classification: Panel discussion