



Webinar conducted by SPG India, Mumbai Chapter on 'Advancement in seismic data acquisition'



SPG Mumbai Chapter organised a webinar on “*Advancement in seismic data acquisition*” on 27th September, 2023. The webinar was delivered by Mr. Edward Hager, Chief Geophysicist (Acquisition), Shearwater GeoServices. The Webinar was attended by more than 50 participants from different work centres in Mumbai.

Mr. B. S. Bora, ED-CGS, President of SPG Mumbai Chapter delivered the welcome speech and introduced the distinguished speaker, Mr. Ed Hager, and the importance of his talk.

Mr. Ed Hager started working with Western Geophysical 1991 as an onboard field QC. Progressing through the geophysical support, data processing and survey design departments for WesternGeco, he became Survey Design Regional Manager MEA for SLB. In 2014 he joined Polarcus as the area geophysicist for the Asia Pacific region based in Singapore. In 2021 Ed was appointed chief geophysicist acquisition for Shearwater.

The talk covered advances in marine seismic acquisition over the last few years. It broadly discussed the advantages and disadvantages of the multi-source acquisition technique and why it gained momentum in the seismic industry in terms of improving the resolution and fold. Along with it, he introduced the Pearl

Ocean Bottom Node, the latest addition in OBN industry by Shearwater. The use of MEMS (Micro Electro-Mechanical System) sensor in Pearl Node, which was previously used in Isomerix was also elaborated extensively by the speaker. The advances in source types, R&D effort on the marine vibrator, the commercialisation of the low-frequency source, and finally, the e-source that has been established for many years but is now being considered more often because of environmental concerns in some areas were discussed by the speaker. At the end, the speaker summarized with compressive sensing, a way of acquiring land or OBN data that allows for more efficient designs whilst maintaining the data quality. The talk was highly informative and succeeded in generating curiosity among the audience. Mr. S. Basu, GGM-HGS Mumbai, Vice-President SPG Mumbai Chapter exchanged valuable interaction with the speaker during the talk. Finally, Mr Vikas Mohan, CGM, Secretary SPG Mumbai Chapter delivered the vote of thanks. [G](#)



*Angular unconformity, cutting across sediments in Leh, Ladakh, India.
(Photo courtesy: Ritesh M. Joshi)*