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- [Sign In](#)
- [Search](#)
- [View Guidelines](#)
- [View Sessions/Submit an Abstract](#)
- [Poster Only Sessions](#)
- [Index Terms](#)
- [Co-Organized Sessions](#)
- [Co-sponsored Sessions](#)
- [Convener Index](#)
- [Need Assistance?](#)
- [About](#)
- [Technical Support](#)

Novel Approaches in the Use of Scientific Ocean Drilling Data

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Scientific ocean drilling data collected over more than five decades have been critical in advancing nearly all areas of the geosciences. Through international collaboration, substantial investments have been made in facilities, repositories, and databases that enhance the accessibility of these data and materials. The International Ocean Discovery Program will end in 2024, but resources in the form of kilometers of core, multitudes of digital data, and physical assets (e.g., observatories) remain available for future discovery. Integrating new and existing datasets across expeditions and employing new technologies and analysis tools to explore them have the potential to generate globally significant insights on emerging scientific questions, stimulate new fields of inquiry, and offer broad-access opportunities for training and development.

We invite abstracts that describe past or potential future studies that involve integrative, multi-expedition and multi-disciplinary approaches to using ocean drilling data to investigate key Earth system questions.

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