

Geowissenschaftliches Kolloquium

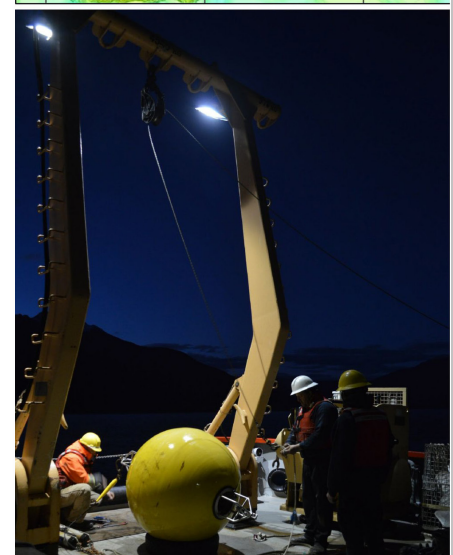
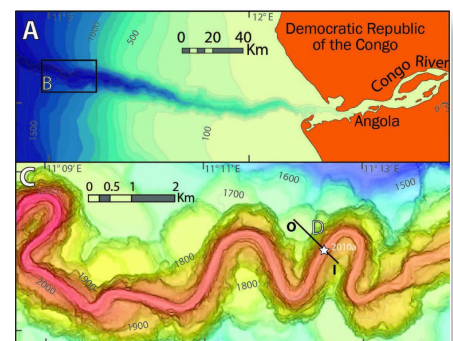
How new deep-sea measurements change turbidity current models

Donnerstag, 24. Oktober 2019 - 16.15 Uhr

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New technological advances allow us to study the processes occurring on the deep sea in unprecedented detail. Over the last five years we have collected some of the first high-resolution measurements of turbidity currents in a series of ocean floor channels and canyons. These measurements are showing that many of our existing models of turbidity currents are incomplete or even incorrect. Here I will provide an overview of our findings and their implications for our understanding of turbidity currents and deposits.

After some years as an officer of the merchant navy, **Matthieu Cartigny** did a Masters in mechanical engineering (Delft) followed by a PhD in geology (Utrecht). He worked several years at the National Oceanography Centre (Southampton), but he now holds a Royal Society research fellowship at Durham University. His research uses the latest technology to study the geomorphology of the ocean floor.



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