

Underwater Mining Conference 2015

November 1-6, 2015
Hilton St. Petersburg Bayfront
Florida USA

SPECIAL SESSION

Sunday, Nov 1

9:00 am – 4:00 pm, Training Center

Seabed Mineral Resource Estimation & Sampling Course

By

Rene Sterk

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Registration Deadline: August 31, 2015

Seabed Mineral Resource Estimation & Sampling Course

Sunday, 1 Nov 2015

9 am to 4 pm

Training Center

This course is available to registered participants of the Underwater Mining Conference 2015.

This course will provide attendees an insight into the process of mineral resource estimation, with a specific focus on code-compliant reporting of the results. The course consists of the following components:

Ingredients for the resource: The importance of sampling and QA/QC

- Methods, tools, quality control and quality assurance.
- Importance of getting it right with case examples.
- Specifically pointed towards seabed sampling tools and options.
- Some tools to assess data, such as accuracy, precision and bias.
- Sample representivity, sample size, sample splitting/sub-sampling, + (if time allows) the laboratory.
- Code-compliance of sampling: the dos and don'ts.

Estimating the resource

- The process, how it works.
- Data
- Wireframing
- Geo-statistics (basics)
- Variography
- Estimation methods
- Validation
- Specific emphasis on nodules and SMS, focusing on code-compliance

Reporting of Mineral resources

- Overview of code-compliance at the moment
- Various codes and shortcomings
- Important aspects of compliance

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The course presenter is Rene Sterk. Rene is principal Consultant with RSC Global Pty Ltd and is the competent/qualified person and principal author on several NI43-101 and JORC reports. He has published papers on seabed mineral resources and sampling and has specific background and experience with seabed nodule mineralization.

