

A vertical strip on the left side of the slide contains five microscopic images of sedimentary organic matter. From top to bottom: 1. Brown, fibrous, and granular structures. 2. Dark, irregular, and clumpy structures. 3. Yellowish, granular structures. 4. A large, yellowish, circular structure with a purple outline. 5. Dark, irregular, and clumpy structures.

International Course on Organofacies Analysis

Sedimentary Organic Matter Principles & Applications

September 24-28, 2018
University of Erlangen
Geozentrum Nordbayern

5 days of lectures and practical microscope exercises.
Participants can bring their own slides to discuss in the last day

Course language is English

General principles of palynology in its widest sense and its applications in facies analysis, sequence stratigraphy and hydrocarbon generation. Basic knowledge in palaeontology, facies analysis or hydrocarbon systems is useful, but not mandatory.

Course outline

- **Principles of sedimentary organic matter**
Production, distribution and preservation of sedimentary organic matter
- **Groups of organic matter** (Palynomorphs and more)
Marine and terrestrial derived sedimentary organic matter
- **Application for facies & sequence stratigraphical analysis**
General introduction to facies development and sequence stratigraphy
Composition & preservation of sedimentary organic matter related to palaeo-environmental analysis (Palynofacies analysis)
Palynofacies analysis applied to sequence stratigraphy
- **Application for basin analysis & hydrocarbon generation**
Thermal alteration of sedimentary organic matter (maturation)
Classification of organic matter in Hydrocarbon systems (kerogen types)
Hydrocarbon potential based on optical kerogen analysis & organic maturation

For more information contact: jaeger@georesources.de

Dr. Hartmut Jäger, GeoResources STC, Leimen, Germany

www.georesources.de