



Geological Application of Graptolite Reflectance

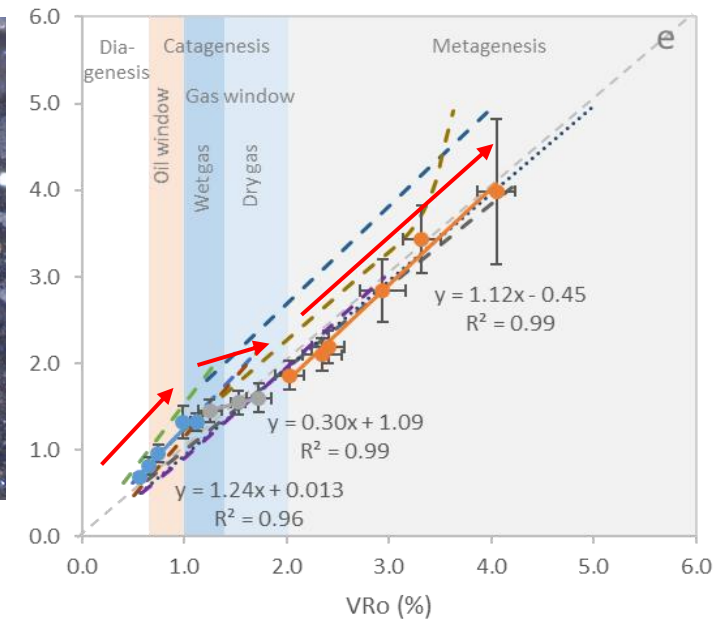
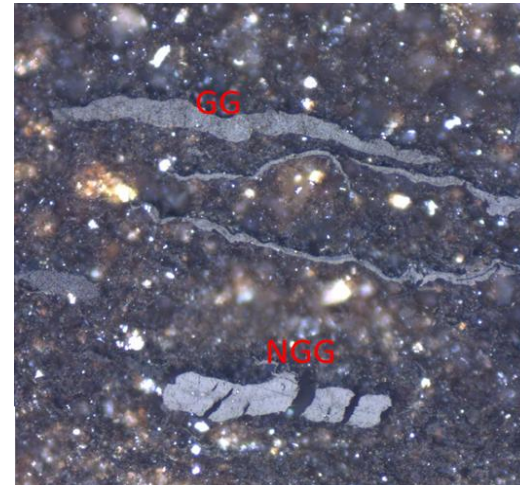
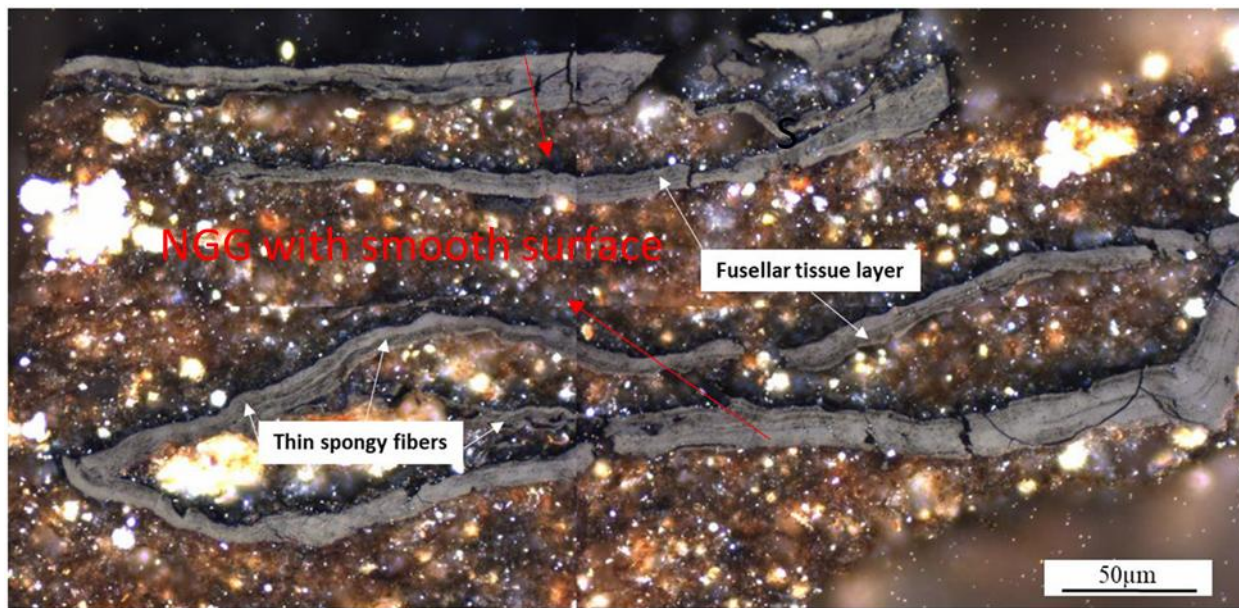
Conveners:

Sherry (Xiaowei) Zheng^{1*}, Thomas Gentzis²

- 1. Lithospheric Organic Carbon (LOC) Group, Department of Geoscience, Aarhus University, 8000 Aarhus C, Denmark**
- 2. Core Laboratories, 6316 Windfern Rd., Houston, TX, USA 77040**

BACKGROUND

Graptolite reflectance (GR) is the most significant thermal index for establishing thermal maturation in pre-Devonian rocks, and is needed to integrate this work into the efforts of the ICCP.



TIMEFLOW



- The new WG will be cooperating with the **Classification and Terminology of Zooclasts in old sediments WG** of Commission I to enable successful activities within both WGs.
- With the work from all the participants and results comparison, we aim to standardize the geological application of graptolite reflectance.

Proposed inter-laboratory studies

Pool for potential
inter-lab studies

- ☐ General round robin exercises on samples with well-identifiable graptolite to measure reflectance values.
- ☐ Testing the graptolite reflectance anomaly from one sedimentary basin.
- ☐ Investigate the relationship between graptolite reflectance and other geochemical maturity indicators.

1st Round Exercise

- ☐ Work group establishment
- ☐ Sample set preparation
- ☐ Robin Round in turn
- ☐ Data analysis

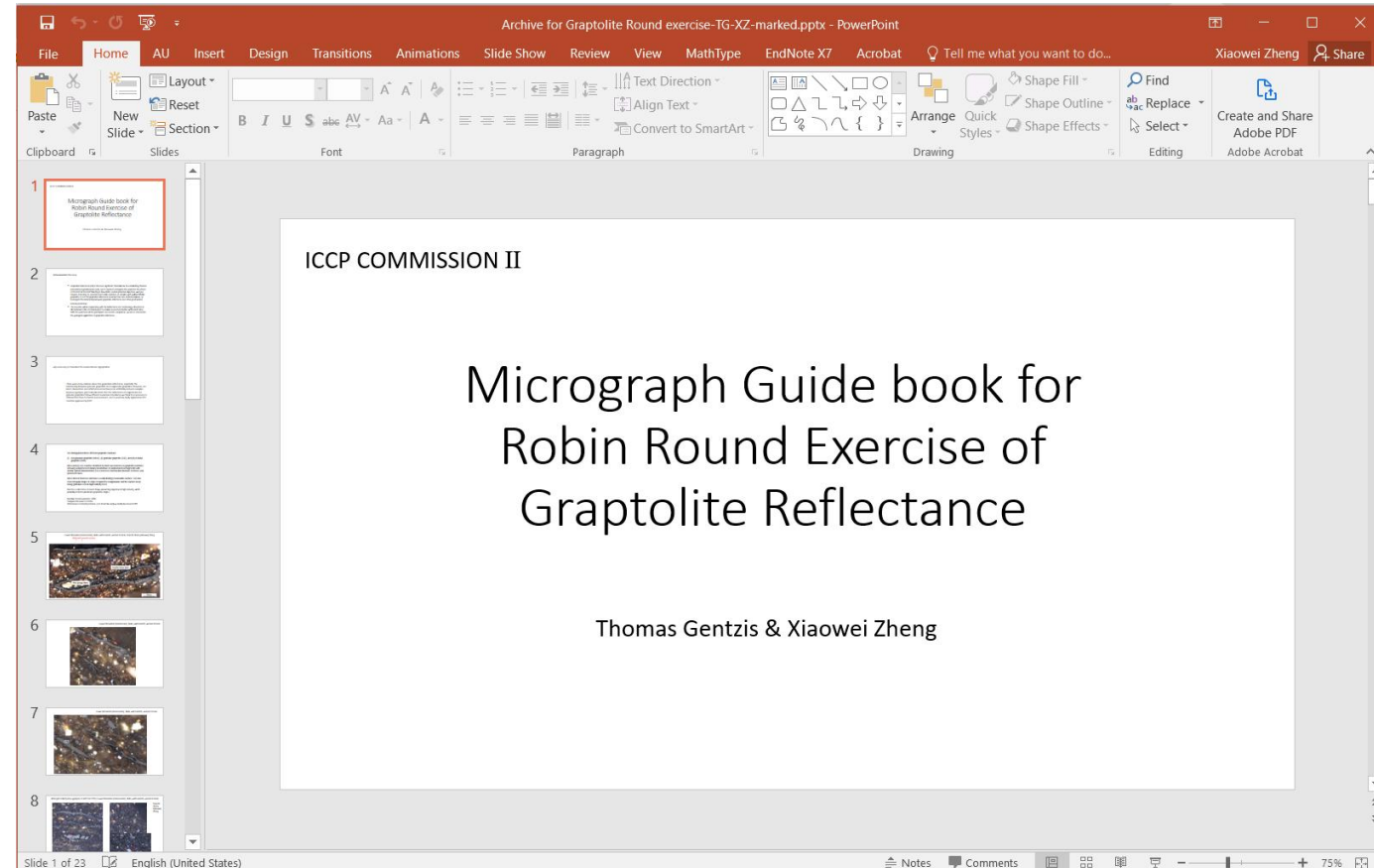
EXERCISES



Com I—ppt based exercise for classification&terminology

Com II—Graptolite-rich sample Round Robin Exercise

- Archive for Graptolite Round exercise-TG-XZ-marked
- Archive for Graptolite Round exercise-TG-XZ-nonmark
- Graptolite Round exercise_SZ



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July 29, 2023 Filled under Com II

Conveners

Dr. Xiaowei Zheng

Dr. Thomas Gentzis

Status active

established in 2023 New Delhi, India

Members

Names

Dr. Paul C. Hackley
Dr. Stavros Kalaitzidis
Dr. Jolanta Kus
Mr. Qingyong Luo
Dr Sandra Rodrigues
Dr. George Siavalas
Professor Atul Varma
Prof. Dr. Dragana Životić

Priyanthi Chopra
Dr. Ye Wang

Currently

2 Conveners

10 Participants



THANKS FOR YOUR TIME!



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