



International Committee for Coal and Organic Petrology Commission II

*Application of Coal and Organic Petrology to Geology,
including the Prospecting for Oil and Gas*

CBM_CO₂ Gas Storage Working Group

Dr Lila W. Gurba

Update on activities

71st ICCP Meeting September 2019, The Hague

72nd ICCP Meeting, September 2021, Prague

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Update on activities

1. Background
2. Minutes 71st ICCP Meeting 2019
3. Current status and future activities

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Background

1998

1999

2000

- A proposal was made by **P. Lyons** (US Geological Survey) prior to the meeting in Porto (**1998**) (ICCP News-18).
 - With the aim of identifying possible contributions of organic petrology to coalbed methane studies
- At the meeting in Bucharest (**1999**) P. Crosdale (Chairman) suggested to standardize the gas adsorption isotherm procedures.
 - At the meeting in Rio de Janeiro (**2000**), P. Crosdale presented Initial results on isotherm experimentation by three laboratories using two coals.

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Background

2001

At the meeting in Copenhagen (2001) it was decided that L. Gurba would co-convene the CBM WG to look after:

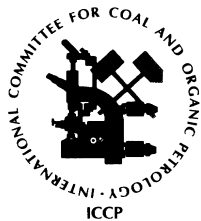
- petrographic aspect (coal properties), and application of coal petrology in CBM.



ICCP News No
25 March 2002

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Background

2003

2010

- In **2003**, the scope initially based on coalbed methane enlarged to include CO₂ geological storage.
- In **2010** Peter reviewed the activities of Coal Seam Gas and CO₂ sequestration WG over 2008 - 2010.
 - The isotherm results from the exercise carried out in 2008 showed some small differences with the Langmuir volumes varying by several cc/g, but all three isotherms were remarkably close for the lack of standardization.

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Background

2011

- In 2011 Peter Crosdale stepped down from his role as co-convenor
 - no further work on isotherm standardisation was conducted



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Background

2011-present



Focus:

Application of Coal and Organic Petrology for Prospecting for Coal Bed Methane, CO₂ Storage & ECBM

1. Updates of worldwide ECBM/CO₂ storage activities
2. Factors controlling adsorption capacities of coal seams – Review & Database

Input required from ICCP members

3. Contribution to SPE Guidelines

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Minutes 71st
ICCP Meeting
The Hague
2019

1. A brief review provided of the activities to identify (priority) issues and problems as related to coal and organic petrology
2. The Convenor announced her intention to step down from this role over the next two years after finalising some deliverables and current tasks
3. Balram Tiwari and Konrad Ziemianin expressed interest in continuing this WG

ICCP News No 75 December 2019, Minutes of Commission II:
<https://www.iccop.org/documents/iccp-news-no-75.pdf/>

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Current Status & Future Activities



Activities largely on hold between 2019 (The Hague) and 2021 (Prague)

Future activities 2021-2022:

1. Update the ICCP website with past activities;
2. Finalise: *Factors controlling adsorption capacities of coal seams – Review & Database –*
3. Review current R&D and identify (priority) issues and problems as related to coal and organic petrology, decide on potential (review) publication(s)..