

MINUTES OF COMMISSION I

60th ICCP Meeting, Oviedo, 23 and 24/09/2008

Chair: Walter Pickel, Secretary: Deolinda Flores

Opening remarks

The commission I meeting was held on Tuesday and Wednesday morning and attended by 46 and 40 members and 8 and 6 guests respectively. The Chairman outlined the programme for the sessions and presented the opening remarks.

Activities at the 2008 Meeting

The working groups and items presented and discussed in the meeting were:

- SCAP - Single Coal Accreditation Program
- Standardization Working Group
- Temporal variations of coals
- Degradinite Working Group
- New Handbook Editorial Group
- Liptinite Editorial Group
- Peat Petrography Working Group
- Proposal of new Working Groups
- Microscope session

SCAP - Single Coal Accreditation Program - Kimon Christanis

The Convenor informed on the going of the 2008 Exercise. Participants were asked to perform vitrinite random reflectance (VR) and vitrinite content (VC) which are the SCAP parameters. Differences from 2006 SCAP exercise are as follow: (i) no automated systems are participating in this exercise; and, (ii) 6 samples were sent to the beginners of the programme and 2 bulk coal samples (approximately 20g of each) for those who were in continuation.

In the 2008 exercise about 87 participants (82 in 2006 exercise) which include 20 new entries and 67 continuations (29 and 53 on the previous exercise, respectively) are registered. 45 are ICCP members and 42 non-members (in 2006 exercise the numbers are 29 and 53, respectively). Participants come from 42 laboratories from 17 countries.

Schedule for the 2008 exercise is as follow: exercise announced in February 2008; invoices were sent during March; fee payment, samples and instructions mailed out in April; and, deadline for results submission was in September. It is expected that at the end of this meeting the Convenor will have all data to be statistically treated and assesment will be ready by October. At the end of November 2008 participants will be informed and appeals could be expected. By the end of December 2008 certificates will be printed and mailed out. Uploading of the list of the accredited petrographers on ICCP's webpage will be made by January 2009.

During this year seven bulk samples were received from Gisela and Gerd Bieg, Heike Eickhoff and Paul Hackley. The Convenor expressed the gratitude of commission 1 and himself to the donors.

The Convenor would also like to thank the members of the Accreditation Subcommittee Ángeles Gómez Borrego, Walter Pickel, Georgeta Predeanu and Kees Kommeren; and, the Treasurer Jen Pearson for all support received during the preparation of this exercise.

A special thanks was addressed to the previous Convenor Aivars Depers who attended this meeting.

Standardization WG – Walter Pickel, Ivana Sykorova

Concerning the Standardization WG, Walter pointed out the WG purpose that are: (i) provide round robins for actual ‘problems’ to check on ICCP definitions; and, accordingly the results revise and/or modify the definitions.

As announced at the ICCP Meeting in Victoria (see Newsletter No. 42, Minutes of Com. 1) a round robin on a Permian bituminous coal from Queensland (Australia) of medium rank b-c (according to ISO 11760, formerly also known as high volatile bituminous coal) will be circulated. Sample is from Gregory, Bowen Basin, German Creek Formation of late Permian (German Creek Seam).

As previous round robins have shown, a satisfactory level of agreement between analysts and laboratories is normally only achieved on a maceral group level. It is hoped that this round robin will provide information/data which might help to decide, if progress could be achieved by re-defining the macerals/maceral-subgroups in question or by other means or if we have to live with the fact that maceral groups are our limit (as far as reproducibility goes).

The aim of this round robin is to check on variability of maceral sub-group analysis results, esp. the distinction between Telo- and Detrovitrinite and possibly Fusinite and Semi-Fusinite.

Participants on Round Robin Exercise Gregory were asked to perform vitrinite random reflectance (n=100) and Maceral (sub-group) analysis (n=500) both according to ISO 7404 Standard.

Some photomicrographs from this sample were presented and discussed as well as the definitions of the Telo- and Detrovitrinite maceral subgroups. ICCP members, who in addition to those who have signed up already, and want to participate, please contact Walter Pickel (walter.pickel@organicpetrology.com). The samples will be sent out soon with detailed instructions.

Temporal variations of coals – Lopo Vasconcelos

Walter summarized what was done for the last few years within this WG. Up to now the WG managed to produce a data base with 8447 data of world coals (33% Gondwana coals and 67% North Atlantic coals). A final revision of the data base to detect possible errors/mistakes were made during 2007/2008. About 90% of the collected data are controlled. The audience was asked to send a copy of the papers not available to the Convenor in order to check the uncontrolled data. A list of the missing publications will be available on the website and this contribution is welcome. Database (‘controlled data’) is made available on the ICCP website for ICCP Members immediately. Data ‘out of control’ will be checked and verified by the working group. The database will continue to grow and the working group will welcome any contributions.

The working group will start to draw conclusions from the database for presentation to Commission 1 and publication.

C. Diessel congratulated the Convenor for the work done as this kind of information is not available. He was impressed with the quantity of information collected and congratulated Lopo for the work done. Com I follows C. Diessel and thanked the Convenor.

Degradinite Working Group – Peter Crosdale

On behalf of the Convenor Walter reported on Degradinite WG. Background information about Degradinite and its microlithotype Hydrite was presented. A summary of the 2006 – 2007 exercise was shown. Two polished thin sections of coal samples from the Miocene North Wanganui Basin of New Zealand were prepared by a commercial laboratory. A series of photographs of the same field were made in transmitted, reflected and fluorescence modes and distributed to participants. A selection of 20 points was made on the photomicrographs and participants were asked to identify all macerals – giving as much information as they thought useful. 3 members performed the exercise and results are as follow: (i) there are macerals that are undoubtedly identified (8 points) by all participants; (ii) some agreements were reached on 5 points; and, (iii) 7 points with no agreement. The status of ‘degradinite’ still remains uncertain. Many would agree that it is synonymous to bituminite, in which case one of the terms is redundant. It was proposed to do more polished – thin sections as they proved to be extremely useful but need a good lab to prepare suitable samples.

A comment was made that it would worthwhile to have more chemical information about the material. Jin Kuili suggested to perform analyses on the chemical composition of the maceral using microprobe analysis.

New Handbook Editorial Group – Petra David

Petra reported on the development of the work done on the New Handbook Editorial Group. Following the recommendation drawn at Bandung the Editorial group was extended and volunteers were found to coordinate different activities and/or review and revise existing texts and draft new ones. During 2007/2008 text files were upload in a secure area of the ICCP webpage, username and password were provided to the members that answered positively to an email sent last year to all ICCP members asking for assistance. Planning and instructions were sent to these members and assignment of responsibilities. A number of sheets were reviewed by volunteers.

The Structure of New Handbook Edition has been already defined as follow:

- 1 Introduction
- 2 Definitions
- 3 Lithotypes
- 4 Microlithotypes
- 5 Maceral groups
- 6 Classification of dispersed organic matter
- 7 Methods
- 8 Coal Utilization
- 9 Other terms
- 10 ICCP services

- 11 Glossary of terms
- 12 References

A first version of the new Handbook Edition will be prepared as a CD ROM or DVD with a minimum of information to be noticed.

Isabel, very active during this year, pointed out the work done within the 'Methods' chapter which includes the following items: Sample preparation/polished blocks, Thin section analysis, Maceral analysis, Microlithotype analysis, Combination Analysis, Coal Blend Analysis, Mineral Distribution Analysis, Reflectance analysis, Fluorescence analysis, Fluorescence Microscopy and Fluorescence Photometry (Lignite/Bituminous Coal), Fluorescence Microscope Photometry, Automation, Colour image analysis, Transmission Electron Microscopy, and Scanning electron microscopy.

Sample preparation/polished blocks texts will be sent by email to Walter in order to be revised. A previous text about thin sections (Handbook 1963) exists and Ivana will do the necessary revisions. Maceral analysis, Combination Analysis, Coal Blend Analysis, Reflectance analysis will be done by Isabel and Alan Davis. On the other hand Microlithotype analysis will be prepared by Isabel as Alan did not accept to do it. However Isabel asked Walter for his support. A. Cook will be reminded for the revision of the Mineral Distribution Analysis. Combination Analysis will be done by Walter and Isabel. Walter also to contact Jeff Quick about the 'fluorescence microscopy photometry' about which Jeff has written a very good summary previously. Dave resigned from the Automation WG as well as coordinator of this item. Isabel asked the necessity to prepare not more than 3 pages. Ed Lester also does not contribute on the preparation of the Colour image analysis item. It is necessary to find somebody that is working on it and is available to write some words about it.

Kimon made some edit matters and revised the Introduction chapter. He suggested to put the text on the website and comments were needed.

Wolfgang suggested including hydrogenation not in Coal Utilization and considered the creation of a chapter named Coal Conversion or Coal Utilization and Conversion. It will be decided later.

Finally Petra informed that Ivana Sykorova accepted to be the new coordinator of this Editorial Group.

Com I would like to thank Petra for the enormous amount of work done within the New Handbook Editorial Group during the past.

Liptinite Editorial Group – Walter Pickel

The Convenor reported the state of art of this Editorial Group presenting the classification accepted by the ICCP. It was referred that Alginite was done within Com II activities by Alan Cook. Some comments were raised by members concerning the fact that classification does not include Fluorinite. Walter cleared up that this maceral is a variety of resinite. It was also asked what about coloesinite.

Walter also informed the audience that sheets were reviewed in 2008 by Peter Crosdale that pointed out that it is required to update the literature and suggested to revise the structure of the sheets.

However Petra and Walter noted that it is not the time to make changes as the inertinite and vitrinite sheets were published with the previous arrangement.

The Convenor pointed out that photomicrographs of bituminite is still needed as well as finalize the updating of the literature. It was suggested to find the editorial group that by 2009 suggests a structure for the new ICCP Maceral System and start review and revision of all maceral groups by 2009.

Walter proposed to put all the sheets on the website by the end of the year for comments for everybody and present the sheets next year for re-acceptance. Petra asked C. Diessel to revise the text who accepted to perform this task.

After all comments received and incorporated in all sheets, they have to be approved by the General Assembly.

Peat Petrography Working Group - Kimon Christanis and Stavros Kalaitzidis

A report in the 2008 round robin exercise was presented by Stavros. Based on 2006/2007 exercise where 2 polished blocks were distributed to perform qualitative assessment, description of macerals, to take images and to define possible problems, a collection of photomicrographs were prepared in a photo-gallery file with a total of 179 macerals in 140 photomicrographs. All the photographic material provided by the 2006/2007 exercise participants has been grouped mostly at maceral level. The file with images from the identified macerals was distributed and the participants had to comment on the images and have to decide if they Agree or Disagree.

The exercise was sent to 14 members and 10 of them replied. The statistic of the 2008 exercise is as follow: average agreement is about 86.1% (ranging between 90.5% to 82.1%) and 13.9% of disagreement (ranging between 9.5% to 17.9%).

Examples of the distributed images were presented and discussed. A discussion arose about the necessity of having specific designations as Epiderminite and Pre-textinite shown in selected pictures. Some members reported that Epiderminite could be a variety of textinite however others supported that it is a different botanical part and must be considered separately.

Next year, it will be discussed the whole range of data and the convenors will submit a written proposal.

Proposal of new Working Groups

Lignite Microlithotype - Prakash K Singh & M.P. Singh

Com I Chair read a document sent by Prakash K Singh & M.P. Singh and published in the ICCPNews n°44 with a proposed classification. He also presented the previous classifications (ICCP 1994 and W. Schneider classifications). Considering that the terms of the new classification are very close to the microlithotype hard coal classification C. Diessel proposed to consider only one classification replacing on the vitrinite/huminite microlithotype the prefix "ite" by "humite". Maria pointed out that she prefers maceral analysis than microlithotype. C. Diessel proposal was accepted by all Com I members present.

ICCP Training Program - Angeles G. Borrego, Peter Crosdale, Petra David

Petra made a presentation concerning the establishment of a New WG in order to develop the organization of ICCP training courses. It was proposed that this Program will be co-ordinated under the auspices of the ICCP Vice President and the time frame for developing the first course would be about 1 year and will be supported by the German Geological Society through the Teichmüller Foundation and GFZ, Potsdam. Rules have to be established to ensure that training courses represent the view of ICCP and to avoid contradictory messages. Practical issues have to be considered and studied as: duration of courses (1 day, 2 days, 1 week...); range of topics to be considered (Coal Petrology, Dispersed Organic Matter, Coal blends,...); audience (graduate students, people from oil industry, people from coal industry, people from power stations, people from steel works); money involved for teacher (€200, €500, €1000, €2000 per day,... including/excluding expenses); costs for potential participants (free for students, €100, €200, €500); maximum number of people (5, 10, 20, limit of microscopes or other facilities). Other aspects have to be taken in consideration such as: the material for teaching will be prepared within the WG; contributions to the preparation of the training material of the ICCP will be acknowledged in a place of the presentation; proper statements of what has been contributed (e.g. content or micrographs); submission of final version if extra training material has been added by the presenter (to Vice-president and/or the WG) to have record of any teaching material used in the ICCP training presentations. Versions in any other language can be prepared (and people doing the translation should be knowledgeable in this area). The request for teaching via the vice-president who will be in charge of suggesting to Council people to do each teaching.

Use of website has to be ruled, for example the availability of presentations in the web as well as in which form (presentations, annotated presentations, training kits).

Another important item to be decided is the fees of the course if they should be free or not. In the last case it is important to define the payment procedures.

Some of the raised problems were discussed specially the ones concerning the organization of the material for the courses. Angeles said that she has a lot of material but they have to be organized and put in a course presentation format. It was also suggested that the courses could be conducted within the annual meetings or in request (individual persons, organizations, scientific organizations,...). An announcement will be put in the webpage for divulgation. Petra suggested that Wolfgang could organize a course during the next meeting. He informed that it is already planned to have a day course dealing with palinofacies to be held before the beginning of the meeting.

Petra asked the floor for a Convenor for this Program. Nikki will be the first convenor of it. The Program as well as the Convenor were approved by Com I members present at this meeting.

White Light Illumination Working Group – Dave Pearson

The objective of this WG is to investigate the differences for analyses of different light sources, esp. LED versus halogene. Participants are Gisela Bieg, Deolinda Flores, Walter Pickel, Jen Pearson and Carl Hilgers. Dave Pearson offered to be the Convenor of the WG.

Dave commented the use and training of different illuminations in the identification of macerals. The creation of this WG and the Convenor were approved by Com I members present in the room.

Correlation Between R_r and R_{max} – Walter Pickel

Walter presented data with correlations between R_r and R_{max} readings of some 200 coals correlate R_r and R_{max} for coals ranging between 0.5% and 2%. After a discussion it was decided not to set up a new working group as the data shows a very good correlation ($R^2=0.9914$) as do several previous publications.

Microscope Session

The microscope session took place on Tuesday afternoon using Carl Hilgers system and was attended by a large number of members.

A sample from the next exercise of the Standardization WG (RIC 2008) was looked at and discussed at the Microscope Session. Aspects from Telo- and Detrovitrinite were extensively discussed concerning the distinguishing aspects as well as the size and shape of vitrinite grains that constitute vitrinitic groundmass material.

The problem of the inclusion or not of the pre-textinite and epiderminite in the classification of Peat Petrography constituents was discussed looking at a sample from a Sphagnum peat brought by Stavros.

Finally, a sample provided by Stavros from a concentrate of organic matter (which occurs with a 3-4% in the sediment) from a harbour, used for environmental studies, was looked at to show and discuss the identification of the founded particles which included char particles with different features as well as some coal particles.

Com I would like to thank Carl Hilgers for this opportunity and for all technical assistance during this microscope session.

Commission I Activities Report – Review 2000/2008

A summary of the Commission I activities from 2000-2003 were already published in the ICCPNews n° 30. This report includes all the information published as well as activities until 2008 when both Chair and Secretary end their position as officers of this Commission.

The activities of the Commission were presented in the following order:

Working Groups activities

Editorial Groups – New Handbook Editorial Group activities

ICCP services

Presentations within the Com I activities

Microscope sessions

Working Groups

Standardization Working Group – W.P./H. Read/W.P. & Ivana Sykorova

The working group was first convened by W.P., then by Harold read and now by W.P. and Ivana Sykorova.

The objectives of this WG are: i) verification of new ICCP classifications like vitrinite, inertinite and liptinite (reproducibility); ii) assist ISO in the revision of the ISO standard methods (ISO 7404, parts 1,2,3,4). The first exercise RIC 2000 round robin highlighted the problem of the distinction between fusinite and semifusinite.

A report on the 2002 round robin was presented in Maputo. Maceral groups and vitrinite reflectance were considered satisfactory, with generally fair to good reproducibility. However there was very poor agreement regarding what is fusinite and semifusinite, as well as telo- detrovitrinite and macrinite & inertodetrinite.

During 2005 two polished grainmounts of Greek lignites were sent to interested analysts. Results of maceral group analysis from sample 1 are reasonable but maceral subgroups results are quite variable. Results of sample 2 show larger variations for both maceral groups and subgroups. Results of reflectance measurements show good agreement.

Microlithotypes Round Robin – Ed Lester

In 2003 a microlithotype round robin had been organized with images of various microlithotype compiled on a CD which also ran a little programme that measured the time it took the analyst to make a decision about the microlithotype he/she was looking at. Results were good and the chances to identify a microlithotype wrongly were greater the longer it took the analyst to make a decision.

Review of New Methodologies and Techniques in Organic Petrology – Lila Gurba

This WG was established in the Rio meeting according to a request by Alan Cook. Within this WG a white paper was prepared and presented in the Copenhagen meeting by Lila Gurba. The white paper dedicated to the memory of Marlies Teichmüller and Alex Cameron, included 7 extended abstracts of the presentations given by invited speakers in the Rio and Copenhagen meetings. The white paper was published in a CD and is available in the ICCP web site.

In 2005 the Convener made a presentation about a new technique for Coal and Mineral Matter Characterisation - QEMSCANTM, developed by CSIRO and Intellection, in collaboration with the CRC (Cooperative Research Centre) for Coal in Sustainable Development.

In Victoria on behalf of the Convenor Zhongsheng Li presented a talk on the new advances on Electron Microprobe Analysis and Micro-FTIR of macerals and their applications in coal utilization.

Peat Petrography – Kimon Christanis and Stavros Kalaitzidis

Proposed in the Utrecht Meeting, the aims of this WG are: (i) to bring together petrographers, who deal with the petrographical and petrological features of peat, but also scientists from other disciplines that have an interest in “peat science”; (ii) to examine the applicability of the existent maceral terminology; (iii) to assess/evaluate the necessity of a nomenclature scheme for the micropetrographic constituent of peat, and,

(iv) to propose a terminology that will accomplish the specifications for a comprehensive description of peat microscopic constituents.

The report of the first round-robin exercise was presented in Budapest. Based on a collection of 49 photomicrographs including 85 points, the main results are: i) the average agreement in the predominant maceral is about 60%, ranging between 24-100%; ii) the agreement increases, if replies are grouped under maceral subgroups. These preliminary results indicate that the huminite classification is applicable to Peat Petrography.

In 2005 round robin exercise a photo-gallery file containing photomicrographs from Nisi (NW Greece) topogenous peat and from an ombrogenous peat (Canada) was distributed among the participants. They were asked to use their own-understanding of “terms” and add terms from outside the classification where that seemed necessary. As in 2004, in 2005 exercise results show that the Huminite classification is applicable in Peat Petrography even if a variety of terms have been used. The discrimination between Textou-lminite and Eu-ulminite (not included in the actual classification) might be useful for peat petrography. Difficulties to distinguish Corpohuminite from Gelinite were frequent.

In 2006 exercise 2 polished blocks were distributed to the interested analysts. They were asked to perform qualitative assessment, description of macerals and to define possible problems. They were also invited to take photos from usual and specially unusual aspects. Only some analysts replied sending images, images and qualitative description, maceral analyses and reflectance data.

Temporal Variation of Coal – Lopo Vasconcelos

This WG was proposed by Lopo Vasconcelos, based on a published paper on Palaeozoic Coals, in which temporal variations were studied by statistical means. The objective of this WG is to study the petrographic variations of coals world-wide with regard to age and environment.

Despite all difficulties on getting data, up to now the WG produced a data base with more than 8000 data of world coals, which includes information on the following parameters: Sample identification (Continent, Country/Territory, Coal Basin, Coal Field, Sample Reference, Coal Seam, Type of Sample), Age (Era, Period, Stage), Type of Basin, Petrography (mmf, H,V,L,I, V%R), Maceral Groups (old and new classifications), Minerals, Microlithotypes, Carbominerites, Minerite, Literature.

Sample Preparation Techniques – Dave Pearson

Proposed in the Rio meeting, this WG started its activities in Copenhagen when Dave gave a presentation describing the procedures on sample preparation techniques using Lucite, which permit to prepare pellets in 20 minutes. The activities proposed for this WG is a comparison with the current sample preparation techniques and determine if significant differences in reflectance and maceral composition could be achieved.

Degradinite Working Group – Peter Crosdale

This WG was founded in the Maputo meeting to assess and possibly redefine the term degradinite. During 2004/2005 coal samples from the Jurassic Surat Basin of SE

Queensland, and the Miocene North Wanganui Basin of New Zealand were sent to participants that were asked to examine the specimens and then answer a questionnaire and provide photomicrographs of what they saw. Members involved in the WG answered the questionnaire and provided photomicrographs showing characteristic aspects.

During 2007 2 polished thin sections of coal samples from the Miocene North Wanganui Basin of New Zealand were prepared by a commercial laboratory. A series of photographs of the same field were made in transmitted, reflected and fluorescence modes from 4 different areas and distributed to participants. A selection of 20 points was made on one of the photomicrographs and participants asked to identify all macerals – giving as much information as they thought useful.

Results showed that there are macerals that are undoubtedly identified by all participants, others some agreements were reached and others with no agreement.

The status of ‘degradinite’ still remains uncertain. Many would agree that it is synonymous to bituminite, in which case one of the terms is redundant.

Revision of ISO 7404 Standards – Harold Read, Dave Pearson, Walter Pickel

During Patras meetings Harold Read, Dave Pearson and Walter Pickel informed the ICCP on the status of the ISO 7404 revision. In contrast to previous versions these will revised standards will cover coals of all rank. Dave was responsible for the revision of part 2: Methods for the petrographic analysis of coal - Methods of preparing coal samples; Harold part 3: Methods for the petrographic analysis of coal - Method to determining maceral group composition; and, Walter part 5: Methods for the petrographic analysis of coal-Methods for determining microscopically the reflectance of vitrinite.

Dave informed that standards were accepted in November and will be published at the middle of next year.

Editorial Groups – New Handbook Editorial Group

Editorial Groups – Walter Pickel, Petra David and Angeles Borrego

The present situation of the editorial groups is as follows:

Vitrinite	published in Fuel (1998)	
Inertinite	published in Fuel (2000)	
Graphite, semi-graphite, natural coke, and, natural char		published in IJCG (2004)
Huminites	published in IJCG (2005)	
Liptinite	prepared for publication	
Microlithotypes	ready and approved by ICCP – small editorial changes	
Carboniferites	ready and approved by ICCP– small editorial changes	
Hard Coal Lithotypes	in progress	
Pyrolytic carbon	in progress	

Bitumens	in progress
Oxidation	in progress
Sample preparation	in progress
New methodologies	in progress

New Handbook Editorial Group – Petra David

Concerning the preparation of the New Handbook Edition the text from previous Handbook versions and publications are scanned and available in editable text format. They were formatted for a common layout and pre-checked for consistency and corrected for spelling and language mistakes.

Draft Structure of New Handbook Edition is as follows:

- 1 Introduction
- 2 Definitions
- 3 Lithotypes
- 4 Microlithotypes
- 5 Maceral groups
- 6 Classification of dispersed organic matter
- 7 Methods
- 8 Coal Utilization
- 9 Other terms
- 10 ICCP services
- 11 Glossary of terms
- 12 References

For major parts, the text for the new Handbook Edition is available and the first version of it will be published as a CD ROM or DVD.

ICCP Services

ICCP Reflectance Standard – Dave Pearson, W. Pickel

In 2000, two reflectance standards were purchased (Klein & Becker, YAG, R=0.90%) and calibrated against the results of the 3 glass standards obtained by the Reflectance Standard WG round robin. The service to calibrate standards against the *ICCP Reflectance Standard* continues available from Dave Pearson and Walter Pickel (USD 50 and free for ICCP members).

SCAP - Single Coal Accreditation Program – Kimon Christanis

2000 to 2004 Exercises were organized by A. Depers.

In 2005 Kimon Christanis accepted to take over the position of Convener of SCAP.

A summary of the activities within SCAP is as follows:

2000 Exercise	50 petrographers (2 automated or image analysis systems)	19 Re-accreditation 17 Full accreditation 14 Provisional accreditation
2002 Exercise	55 petrographers (35 labs, 15	33 Re-accreditation

	countries)	12 Full accreditation 10 Provisional accreditation
2003 Exercise	13 petrographers (8 labs, 5 countries)	
2004 Exercise	73 petrographers (38 labs, 14 countries)	
2006 Exercise	84 participants (2 automated image analysis system, 38 labs, 17 countries)	

2008 Exercise is in progress.

Presentations within the Com I activities

Copenhagen Meeting 2001

- Ferenc Fendor – “Statistical analysis of collotelinite reflectance data – a new approach”
- Alan Cook and M.J. Lemos de Sousa – “Coal Classification and related matters”

Utrecht Meeting 2003

- Adam Kotas – “Key Problems of Interpretation of Thermal Maturity Data in the Upper Silesian Coal Basin (Poland)”
- Duncan Murchison – “The history of the ICCP”
- M.J. Lemos de Sousa – “ISO Coal Classification”

Budapest Meeting 2004

- Carl Hilgers – “Presentation of the new “Hilgers” instrument to measure reflectance with a monochrome digital camera”

Patras Meeting 2005

- Carl Hilgers – “New development of the “Hilgers” instrument for reflectance and maceral analysis”

Victoria Meeting 2007

- Carl Hilgers – “New Organic Petrology Microscope”

Microscope Sessions

In all meetings microscope sessions were organized using facilities of the organizers and/or using Carl Hilgers equipment. Samples were provided by the WG Conveners and/or by the Chair of Com I.

The chairman thanked all members of commission 1 and its working group conveners for their support over the last 15 years in which he had been honoured to serve as secretary and chair in this commission, Alan Cook, who had been the chairman of this commission in his time as secretary and especially Deolinda Flores for here enormous support as secretary in his time as chair. He wished Deolinda Flores, the new chair of the commission, and Stavros Kalaitzidis, the new secretary, all the best for the following years.