

European Crystallographic Association



Minutes of the Council Meetings

Oviedo 23, 25 August 2018

European Crystallographic Association

Agenda of the Council Meeting in Oviedo, Spain

Day 1 12:00-14:00 Thursday 23 August 2018

Day 2 12:00-14:00 Saturday 25 August 2018

The annual SIG and GIG reports can be downloaded from the [ECA website](#).

1. Opening

- 1.1. Welcome to Council members and guests
- 1.2. Any applications for ECA membership? Preliminary contact with Malta (CHG)
- 1.3. Review of former e-mail decisions (GR)

2. Annual Reports by the President and the Treasurer

- 2.1. Report by the President Alessia Bacchi
- 2.2. Report by the Treasurer Christian Lehmann

3. Approval by the Council of the submitted accounts

- 3.1. Report of the auditors for the financial year of 2017
- 3.2. Approval of new auditors Petra Bombicz and Kari Rissanen

4. Annual Reports by the Executive Committee and preliminary progress reports

- 4.1. Report by the Vice-President Udo Heinemann, also on the Perutz, Bertaut and poster prizes
- 4.2. Report by the Past-President Andreas Roodt
- 4.3. Report by the Secretary Georgina Rosair on summary of the work of the Executive Committee
- 4.4. Report by Carl Henrik Görbitz on ECA links and National Councils
- 4.5. Report by Marijana Đaković on SIG/GIG organisation
- 4.6. Report by Joke Hadermann on sponsorship of meetings and schools and CAM liaison
- 4.7. Report by Fermin Otalora on education and the website related activities

5. Elections

- 5.1. Elections to the Executive Committee: President, Vice President, Treasurer, Secretary, 3 Officers, Education Coordinator
The Executive Committee proposed the following members:
President – Udo Heinemann (Max Delbrück Center Berlin - Germany)
Vice-President - Marijana Djakovic (University of Zagreb - Croatia)
Treasurer - Jacob Overgaard (Aarhus University – Denmark)
Secretary – Arie van der Lee (University of Montpellier - France)
Education Coordinator - Consiglia Tedesco (University of Salerno – Italy)
Officer - Carl-Henrik Görbitz (University of Oslo – Norway)
Officer - Delia Haynes (University of Stellenbosch – South Africa)
Officer - Jan Dohnálek (Academy of Sciences of the Czech Republic, Vestec – Czech Republic)

6. Reports regarding ECMs

- 6.1. Changes to ECM Guidelines (MD, GR)
- 6.2. ECM31(2018) Oviedo progress in organisation (Laura Rocés, Santiago Granda Garcia)
- 6.3. ECM32 (2019 Vienna progress in organisation (Klaudia Hradil)
- 6.4. ECM33 (2021) Versailles progress in organisation (Sylvain Ravy)
- 6.5. Bid for ECM34 (2022) by Padua, Italy (Giuseppe Zanotti and Gilberto Artioli)

7. European Crystallography School

- 7.1. Report on ECS5
- 7.2. Bid for ECS6; Presentation for ECS6 in Budapest (P Bombicz)

8. ECA Administration

- 8.1. Report on progress (CL)

9. IUCr-ECA link (Radek Kuzel)

10. Initiative for Science in Europe (ISE), (UH)

11. National Crystallographic Associations (report from CHG)

- 11.1. Contact with councillors, upgrade of ECA web page
- 11.2. Observer countries (Armenia, Belarus, Estonia), non-member countries
- 11.3. New contacts resulting from of the OpenLab in Tirana
- 11.4. Grouping ECA member and IUCr non-member countries to IUCr Adhering Body
- 12. ECA membership (JH, CHG)**
 - 12.1. Enlarging the number of IMs and CAMs of the ECA, relationship between ECA, the ECMs and the CAMs
 - 12.2. New applications for ECA national membership :
 - 12.3. CAM Applications for ECA membership: Crystal Maker
 - 12.4. Report of the Individual Members Representatives
- 13. Annual Reports regarding SIGs / GIGs activity (MD)**
 - 13.1. SIG.1 Macromolecular Crystallography (Marjolein Thunnissen)
 - 13.2. SIG.2 Charge, Spin & Momentum Density (Birger Dittrich)
 - 13.3. SIG.3 Aperiodic Crystallography (Artem M. Abakumov)
 - 13.4. SIG.4 Electron Crystallography (Holger Klein)
 - 13.5. SIG.5 Mineralogical Crystallography (Sergey Krivovichev)
 - 13.6. SIG.6 Instrumentation and Experimental Techniques (IET) (Ulrich Pietsch)
 - 13.7. SIG.7 Molecular Interaction and Recognition (MIR) (Carl Henrik Görbitz)
 - 13.8. SIG.8 Powder Diffraction (SIGPD) (Paolo Scardi)
 - 13.9. SIG.9 Crystallographic Computing (CCSIG) (Harry Powell)
 - 13.10. SIG.11 Extreme Conditions (Karen Friese)
 - 13.11. SIG.12 Materials Science (Andrzej Grzechnik)
 - 13.12. SIG.13 Molecular Structures and Chemical Properties (Alessandra Crispini)
 - 13.13. SIG-14 Dynamics, Disorder, Diffuse scattering (Anders Madsen)
 - 13.14. GIG.1 Young Crystallographers (Andrew Mahoney)
 - 13.15. GIG.2 Senior Crystallographers (Menahem Kaftory)
 - 13.16. GIG.3 Education in Crystallography (Chiara Massera)
- 14. Educational activities (FO)**
- 15. Schools, conferences and workshops (JH)**
 - 15.1. Request for support from ECA to schools and workshops
 - 15.2. The ECA Scholarship Fund – increase awareness and fund raising
- 16. Prizes of ECA: Perutz Prize, Bertaut Prize, Poster prizes and fund raising (UH)**
- 17. Votes**
 - 17.1. New Executive Committee
 - 17.2. Approval of the venue for ECM34
- 18. The ECA: what to do - where to go**

Discussion regarding rules and future proceedings. Written contributions from the Councillors as well as from Individual Members are welcome!
- 19. Any other business**
- 20. Close**

Agenda 1st day

1. Opening

- 1.1. *Welcome to Council members and guests*
- 1.2. *Any applications for ECA membership? Preliminary contact with Malta (CHG)*
- 1.3. *Review of former e-mail decisions (GR)*

2. Annual Reports by the President and the Treasurer

2.1. *Reports by the President Alessia Bacchi*

3-years report September 2015 – August 2018:

It has been a great honour for me serving the community of the ECA crystallographers in the past three years. When I was elected, I felt both the pride and the challenge to lead a lively association, made by excellent scientists, passionate in their work, ready to contribute and to share ideas and friendship.

Building on the solid ground that the past presidents had left to me, I focused on some lines which I considered could make the Association grow even stronger, and which I would like to report in this final summary of the three years.

Education and teaching are the two keywords to ensure continuity towards the next generations. The ECA has always been engaged in these themes, and in the past three years the General Interest Group on Education in Crystallography (GIG03-EC) has been established, with a large consensus among the ECA members. The GIG aims to develop the efforts to establish a plan to coordinate crystallographic education in the ECA region, despite the trend of most national educational systems, where crystallography tends to disappear from the syllabus.

On the same line, the European Crystallographic Schools, initiated in Pavia in 2014, are now a consolidated plan, and we had a new edition each year, organized by Spain in 2015, Croatia in 2016, Poland in 2017, and South Africa in 2018. All the schools were well attended, and it is particularly remarkable that some National Members continuously supported the participation of their young students to the European Crystallographic Schools by granting specific travel funding. The importance of fostering the growth of a new generation of crystallographers is well supported by the very high degree of engagement of the ECA young crystallographers in the organization of activities within the European Crystallographic Meetings, through the General Interest Group of Young Crystallographers (GIG01-YC). The ideal transmission of the legacy from the past to the next generations has been realized during the past three years by the initiatives of the General Interest Group of Senior Crystallographers (GIG02), with the constant organization within the ECMs of Microsymposia covering the history of crystallography in the ECA.

During the past three years two European Crystallographic Meetings have been organized, ECM29 in Rovinj (Croatia) and ECM30 in Basel (Switzerland). Both have been very successful, reaching around 1000 participants. ECM31 is being organized in Oviedo (Spain), while the next two ECMs have been assigned to Vienna, ECM32, and Versailles, ECM33.

The aim to have largely inclusive meetings, where whole representation of age, gender, geography is encouraged, has been pursued by setting some guidelines to stimulate the organizers of the ECMs to facilitate diverse active participation by making the congresses accessible to young families with their children, as well as to disabled colleagues. The family-friendly ECM31 in Oviedo is the pioneering example of this vision. Participation of large geographical attendance has been promoted by assigning travel bursaries to ECA events to students with diversified provenience.

Besides these positive actions referring to the engagement of young researchers, the ECA has also grown in its membership, welcoming the new National Member of Albania-Kosovo.

The scientific scope of the ECA has also been enriched by the birth of a new Special Interest Group, SIG-14: Dynamic, Disorder, Diffuse Scattering (D3).

In order to engage new researchers in the association, it is important to have good communication tools. The ECA website has been completely restyled in 2016, thanks to Fèrmin Otalora, providing also a platform for visibility and information exchange for SIGs and GIGs. A Wikipedia entry for the ECA has also been initiated in German by Christian Lehmann, and versions in Italian, Afrikaans, Norwegian, Croatian and Spanish are now online thanks to the contribution of members from those countries.

In the past years the ECA has also committed to be proactively involved in the process of empowering the crystallographic community in Africa, in cooperation with the IUCr. The ECA has been represented in all major events organized to foster the creation of the African Crystallographic Association, namely the conference PCCr1 in Cameroun in 2016, and the IUCr OpenLabs in Senegal in 2017 and in Ivory Coast in 2018, and it is engaged in PCCr2 in Ghana in 2019. The ECA Executive Committee is represented within the AfCA steering committee, which is coordinating the actions to create a network of crystallographers in Africa. All these activities and successes have been made possible by the precious work of many dedicated colleagues who contribute to the ECA life, to whom go my thanks: my coworkers of the Executive Committee- Marijana Djakovic, Carl-Henrik Görbitz, Joke Hadermann, Udo Heinemann, Christian Lehmann, Fèrmin Otalora, Andrè Roodt, Georgina Rosair; the colleagues involved in the organization of the past and future ECMs; the colleagues involved in the organization of the European Crystallographic Schools; all the SIGs and GIGs chairs and officers; the Council members, the colleagues of the Corporate Affiliate Members, and their representatives; the representatives of the Individual Members.

Report of the ECA President – September 2017 – August 2018

In my third year as ECA President I addressed issues related to education, links with national Associations, crystallography in Africa, ECA organization. The Executive Committee met in Vienna in February 2018 to plan the activities for the present year, and to discuss the progresses in the organization of ECMs and ECSs with the colleagues involved in this. The Austrian colleagues were extremely efficient and kind in organizing the support for the winter meeting, and I wish to express the thanks to them on behalf of the Executive Committee.

In particular, some major points which were addressed by me during the last year are listed below.

ECA and ECM organization

I have established contacts to collect potential proposals for the new Executive Committee composition. I received the availability of Arie van der Lee (France) to be nominated as secretary, Jacob Overgaard (Denmark) as treasurer, Consiglia Tedesco (Italy) suggested by GIG3 as new Education coordinator, and Delia Haynes (South Africa) and Jan Dohnálek (Czech Republic) as EC officers.

I have followed the progress in the finalization of the ECM31 scientific program, emphasizing the care needed to ensure adequate consideration of diversity issues. I also reviewed the applications for travel grants for ECM31.

The ECA archives are being curated and transferred to electronic media in Mülheim, and a report is being prepared in form of essay by a master student in history, thanks to the initiative of Christian Lehmann.

During the Winter Meeting, the Executive Committee has discussed a strategy to rationalize the ECA administration, by evaluating the involvement of a professional company expert in the management of scientific associations.

ECA has joined a petition promoted by ISE for asking more funding for basic research from the EC.

ECA and crystallography in Africa

I have represented the ECA at the IUCr-IUPAP-ICTP OpenLab Senegal 'Laboratory and synchrotron X-ray crystallography: applications to emerging countries' November 20 - December 2, 2017, in Ziguinchor, Senegal.

I took part to the inauguration of the new diffractometer installed in Abidjan, Cote d'Ivoire 22-23 March 2018.

I joined the Executive Committee of the AfCA Steering Committee and contributed to the discussion of a draft of the AfCA statute.

ECA and education

I wrote a letter to National Members to encourage the participation of students from Europe to ECS5. Some NM provided grants to support travelling to ECS5.

ECA and national members

I contacted in November, January and July the Russian officer, Irina Makarova, to follow the process of regularization of Russia membership to ECA. In one mail she suggested to contact

Mikhail Kovalchuk. I sent him a message to kindly ask his view on possible solutions proposed to fix Russian membership.

2.2. Report by the Treasurer Christian Lehmann

The following overview shows income and expenditure for the calendar year 2017. The surplus from ECM 30 in Basel was received in December 2017.

The financial year 2017 finished with a surplus.

Income	ABN Amro	PayPal
IM	1,000.00 €	540.00 €
NM	6,150.00 €	
CAM	3,730.00 €	
ECM support	6,999.85 €	
ECA Exec	0.00 €	
Travel grants	0.00 €	
Total income	17,879.85€	540.00€

Expenditure

Bank charges	-127.50 €	-25.44 €
SIG support	-10,938.00 €	
IYCr support	-1,000.00 €	
ECA Exec	0.00 €	
ECA Fees	-1,000.00 €	
Leaflets	0.00 €	
Travel grants	0.00 €	
Prizes	0.00 €	
Total Expenditure	-13,065.50€	-25.44€

Total Result	4,814.35€	514.56€
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The overall situation of the ECA assets is developing positively. Following the suggestions of the auditors a savings account was opened at the beginning of 2015 which now holds about € 30,500 of the ECA assets including interest.

	ABN Amro Giro	ABN Amro Savings	ABN Amro Young Cry.	PayPal
Opening Balance	20,237.31 €	30,262.97 €	274.67 €	176.25 €
Closing Balance	24,951.66 €	30,492.34 €	214.17 €	690.81 €
Difference	4,814.35 €	229.37 €	-66.00 €	514.56 €

Perutz-Bertaut-Foundation

	Equities	Cash
Opening Balance	82,938.69 €	3,769.37 €
Closing Balance	84,830.67 €	5,108.87 €
Difference	1,891.98 €	1,339.50 €

In 2018 ECA will award both the Perutz and the Bertaut prize. This requires an amount of € 6,500.00 for both prizes together. In addition some travel cost and other expenses of the awardees might be incurred.

ECA Budget Planning 2018

Income	ABN Amro
IM	1,000.00 €
NM	6,000.00 €
CAM	4,000.00 €
Interest	200.00 €
ECM 31 donation	10,000.00 €
Total planned income	21,200.00 €
Expenditure	
Bank charges	-300.00 €
SIG support	-2,400.00 €
ECS5	1,490.00 €

ECM 31 loan	0.00 €
ISE membership 2017	-1,000.00 €
ECA Exec	-1,500.00 €
Leaflets	-2,000.00 €
Travel grants	-5,000.00 €
Prizes	-1,500.00 €
Total Planned Expenditure	-18,700.00 €
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Total Result	5,510.00 €

There are no questions.

3. Approval by the Council of the submitted accounts

3.1. Report of the Auditors for the financial year of 2017 (see compiled report)

The auditors are Petra Bombicz and Kari Rissanen:

C. Lehmann submitted the report on the overall status of the accounts at 12th June 2018 about the financial year of 2017. The audit is based on the report of the ECA Treasurer. No primary documents were checked. The financial statements present the financial situation of the Association as of 31st December 2017 and the results of its operations and cash flows for the referenced year of 2017.

Status of ECA accounts at the end of 2017

	ABN Amro Giro	ABN Amro Savings	ABN Amro Young Cry.	PayPal	capital
Closing Balance	24,951.66 €	30,492.34 €	214.17 €	690.81 €	operative
					∑ 56,375.98

Perutz-Bertaut-Foundation

	Equities	Cash	
Closing Balance	84,830.67 €	5,108.87 €	fixed at FUD
			∑ 89,939.54

The accounts were agreed based on the provided e-mailed documents (balance sheet 01Jan-31Dec2017.xls, collection of ABN-Aro2017 bank records Rekeningafschrift in ABN_Ambro2017.zip and PayPalTransactions.xlsx). The ECA is registered at the Dutch Chamber of Commerce (Kamer van Koophandel, Prins Hendrikstraat 2, 6521 AW Nijmegen, The Netherlands). As a society without any commercial activity, it has no VAT number and has no obligation to pay tax.

Financial balance of 2017

	ABN Amro Giro	ABN Amro Savings	ABN Amro Young Cry.	PayPal	
Difference	4,814.35 €	229.37 €	-66.00 €	514,56 €	
					∑ 5,492.28

Perutz-Bertaut-Foundation

	Equities	Cash	
Difference	1,891.98 €	1,339.50 €	
			∑ 3,231.48

Incomes:

Membership fees: 11 kEUR

ECM30 surplus: 7 kEUR ∑ 18 kEUR

Expenditures:

Bank charges: -0.13 kEUR

Support of schools -11 kEUR

IYCr support -1 kEUR

ECA ISE membership -1 kEUR ∑ -13 kEUR

Conclusion

Both auditors authorize the Treasurer's report and approve all transactions performed in the financial year of 2017.

General remarks:

1. The ECA has the bank accounts at the ABN-AMRO Bank in the Netherlands. Both the giro and the savings account show increasingly positive balance. Overall assets of 24,954.66 EUR in the giro (4,814.35 EUR increase) and 30,492.34 EUR (229.34 EUR increase) on the saving accounts are good result. The assets are developing positively.

2. 2017 was an IUCr Congress year. Financial consequence of the IUCr year is that ECA did not have costs like the Perutz and Bertaut Prizes, travel grants and leaflet printing.

3. The assets of the Perutz-Bertaut-Foundation is growing. [Questions for 2018 and the future: How is the availability of this fund by the ECA under the responsibility of Prof Hartmut Fuess? The interest does not cover the amount paid to the Awardees (2 Perutz Prizes (5,000 EUR each) and 1 or 2 Bertaut Prizes (1,500 EUR each) in 3 year time). Will the awards sum be completed from the current ABN-Amro budget?]

4. ECA has established the Scholarship Fund. There is a call for donations to this Fund from those that can help other colleagues from difficult economical climate at all stages of their career to attend the ECMs by contributing to their costs. No donation arrived in 2017. Publicity of this opportunity should be increased.

5. The ECMs' surplus is the main source of ECA income. This income of ECA was 7,000 EUR from ECM30, while 10,000 EUR is planned from ECM31 in the 2018 budget. It is a significant difference. How the income is planned? By what principles the amount of the ECM surplus is

shared between the ECM organisers and the ECA?

Incomes:

6. IM fee income in 2017 is 1,000 EUR. One can pay 1 or more (typically 5) years membership fee at a time. IM membership fee is 10 EUR/person/year. The 1,000 EUR is eligible for 100 people. It is a low number. The number of ECA members should be around 1,000 – this is the usual number of participants of an ECM. The number of IM members should be increased. Personal benefits as well as the benefits of the Association from the membership are detailed on the ECA webpage and should be advertised more intensively (ECA awards prizes, supports meetings, schools, conferences, workshops and grants bursaries to participants – ECA IM members - from the income).

7. NM fee income in 2017 is 6,150 EUR. It is a considerable increase compared with the 3,500 EUR in 2012. It may be the result of having more countries in the ECA, and less countries having dept. The coverage of 37 member countries from the IUCr-ECA region is good and improving. Is there a foreseen date when the observers (Armenia, Belarus and Estonia) become ordinary members? What about the relation with Romania and Latvia? Near-East is in difficult political situation. SESAME Synchrotron source development is in progress. ECA members are from the SESAME member countries: Egypt, Israel and Turkey. Anyhow, Bahrein, Cyprus, Iran, Pakistan and the Palestinian Authority are members of the SESAME but not members of the ECA. What about the African countries? Members are Algeria, Egypt, Morocco, Tunisia and South Africa. What about the rest of the African countries? IUCr did a huge effort to develop crystallography in African countries in the IUCr e.g. Cameroun, Ivory Coast, Ghana and Senegal. Establishment of AfCA will decrease the NM fee of EC

8. CAM membership fee income in 2017 is 3,730 EUR. (The 2012 value was 3,500 EUR.) The CAM fee is as low as 250 EUR / year. It matches 15 CAM members of ECA. This number seems to be steady, and could probably be increased. Benefits of being a CAM of ECA are well articulated on the homepage. Advertisement can be improved to companies, publishers (RSC, Elsevier etc), databases (CCDC is a member, PDB is not).

Expenses:

9. No cost is indicated by the ECA EC in 2017. (ECA EC winter meetings usually have some cost.)

10. Can bank charges be reduced? PayPal bank charges paid by ECA is 5%.

11. Being 2017 is an IUCr year ECA supported 8 schools / workshops / conferences between 1,088 and 2,000 EUR each in total with 11 thousand EURs, which is an outstanding value. In the coming ECM years this amount is reduced. Sum -2,400 EUR is planned for 2019.

Remarks on questions from report will be done in detail by written reply (Christian Lehmann). ECA cannot enforce attendees to ECM become member of ECA. ECA is according to Dutch law considered to be a ‘charity’ organization, which gives rise to a PayPal charity discount of 5% while collecting the IM fees. A “Donate Now” for the scholarship fund button has been added to the website.

3.2. Approval of new auditors Petra Bombicz and Kari Rissanen for 2019

The auditors are approved for next year 2019

4. Annual Reports by the Executive Committee and preliminary progress reports

4.1. Report by the Vice-President Udo Heinemann

ECA Max Perutz Prize 2018

The Tenth Max Perutz Prize of the European Crystallographic Association (ECA) is awarded to Professor Sine Larsen from the Department of Chemistry, University of Copenhagen, Denmark. The Max Perutz Prize is awarded in recognition of Sine Larsen’s multi-faceted contributions to crystallography, including crystal structure analyses of organic molecules and proteins, charge density studies, and the development of synchrotron radiation facilities. Sine Larsen has served crystallographic science and related disciplines in important leadership roles. Sine Larsen will receive the Prize at the Opening Ceremony of the 31st European Crystallographic Meeting in Oviedo (Spain) on 22 August 2018. On this occasion she will present her Award Lecture.

ECA/ENSA Erwin Felix Lewy Bertaut Prize 2018

By-Law 8.2 of the ECA statutes updated on the ECA website according to the changes of text approved by the ECA Council 2016 in Basel and the minutes of the Basel Council meeting approved at the 2017 Council meeting Hyderabad. The Ninth Erwin Felix Lewy Bertaut Prize of the European Crystallographic Association (ECA) and the European Neutron Scattering Association (ENSA) is awarded to Dr Matthias Zschornak from the Technical University Bergakademie Freiberg, Germany in recognition of his outstanding contributions to the development of resonant X-ray diffraction, his structural studies of perovskites, and his extensive electronic calculations providing a thorough physical understanding of the properties of important materials. Matthias Zschornak will receive the award at the 31st European Crystallographic Meeting in Oviedo (Spain), August 22nd – 27th, 2018. He will present his award lecture on this occasion.

The source of the Bertaut Prize medals was traced to the company Faude & Huguenin SA in Schlieren and Le Locle, Switzerland. A quotation for a new set of medals was requested.

Initiative for Science in Europe (ISE)

VP represented ECA at the ISE General Assembly in Brussels, February 2nd, 2018.

11 member organizations plus 2 observer organizations in attendance

Key points (from my notes and M. Andler's summary mail; later developments included):

1. Hosting of ISE. ISE moved from Heidelberg (EMBO) to Strasbourg. Now registered as a legal entity under French (Alsatian) law.
2. Currently 17 member organizations in good standings, 3 members with outstanding dues, several organizations interested or with observer status.
3. ISE coordinator position. Due to financial constraints, there will be no paid full-time coordinator in the near future.
4. The Executive Committee was elected: It consists in the representatives of the following organizations (the names correspond to the people physically present at the meeting)
EMBO (Maria Leptin + Michele Garfinkel) EPSO (Karin Metzloff)
EPS (David Lee)
ESA (Marta Soler)
EAA (Peter Svensson).
EuroScience (Martin Andler – president)
5. ISE took an active role in shaping European Research Policy in the preparation of FP9. ECA contributed to drafting and disseminating ISE
 - a. Provided Input to the European Commission Consultation (08/033/2018)
 - b. Published Statement on the European Commission's Horizon Europe Proposal (27/06/2018)
 - c. Published Policy Paper ESF/ScienceConnect, EuroScience, ISE on missions in FP9
 - d. New ISE website under <https://initiative-se.eu>

4.2. *Report by the Past-President Andreas Roodt*

Apart from the general responsibilities, my contributions since the previous Council Meeting in Hyderabad, India can be summarized in the following points.

1. The Africa initiative of the ECA (in cooperation with the IUCr) was continued, and culminated in the following activities:

The IUCr Open Lab/ Conference in Abidjan in the Ivory Coast 24-31 March 2018 saw the inauguration of their own diffractometer setup as supported by the IUCr and Bruker, as part of expanding the crystallographic footprint in Central Africa.

The coordinating of this was done by Prof Claude Lecomte from Nancy in France, and he should be recognised with gratitude for all his efforts on this.

I further contributed to activate the drive for a Steering Committee for a potential future African Crystallographic Association (AfCA). This was less successful but will continue, although proceeding slower than expected.

Five regions, with coordinating presentative in each have been identified. The regions are Indicated in the Figure 1, together with the region coordinators.

A potential time-line for the formalisation of AfCA has been identified:

- (a) By July 2018: Final construction of the Preliminary Exec Committee of the AfCA Steering Committee. This had to be postponed with some 3 months due to communication problems. Work on potential Statutes nevertheless proceeded.
- (b) Formalisation of AfCA at the PCCR2 in Accra, Ghana, in 28th January to 2nd February 2019.
- (c) Preparing of formal application to the IUCr by middle 2019.
- (d) Prague 2020, IUCr Congress: Formal application to launch AfCA.

3. I further Attended the 6th Tunisian Crystallographic Meeting in Djerba, gave a lecture, and continued some discussions on Crystallography in Africa,

4. I attended part of ECS5 (4nd European Crystallographic School) in July 2018 in Stellenbosch, hosted by Prof Catharine Esterhuysen and Prof Delia Haynes, both from US, and presented the closing lecture. The meeting was attended by 65 delegates and 21 lectures/ tutors. Of the delegates, half of them came from South Africa, with a good number from Africa as such. [See Report]

5. I attended and contributed to the ECA Exec meeting during February 2018, in Vienna, hosted by the Chair of the upcoming ECM32 in Vienna in 2019, Prof Klaudia Hradil, where the usual contributions by the immediate past president of the ECA were made regarding future strategies of the European Crystallographic Association. During this meeting the Exec Comm also visited the facilities for ECM32 and provide inputs.

4.3. *Report by the Secretary Georgina Rosair on summary of the work of the Executive Committee*

I have now come to the end of my term as ECA secretary and have really enjoyed and appreciated being part of this inspiring, enthusiastic and international executive committee.

In February we held our Winter meeting in Vienna as this will be the location for the next ECM.

Many thanks go to Klaudia Hradil for hosting our weekend, arranging access to the fabulous buildings of the Universities in Vienna, and ensuring we could undertake our business quickly and efficiently whilst enjoying some of the sites and food of Vienna.

Over the past year, I circulated an email to Councillors to encourage them and their members to sign a petition to the EU to encourage research and innovation which was organised by ISE .

We also received the sad news that Israel Goldberg passed away this year.

Last year we informed Council of our plans to engage an organisation for administrative support.

One particular feature is dealing with membership. It is of key importance to both encourage new members and maintain an up to date list especially with new data protection laws now in place. I emailed those in my Councillors email list and asked for their consent to send them emails but for individual members the new database from the new website will be used.

4.4. *Report by Carl Henrik Görbitz on ECA links and National Councils*

Carl Henrik Görbitz makes a call to Romanian and Serbian crystallographers for eventual membership of ECA. Alessia Bacchi announces that Russian administration cannot pay ECA fees and that will not be a fast solution, so Russian membership has been declared in default. The Russian representative will be informed by letter of this decision. See for details agenda point 11.

4.5. *Report by Marijana Đaković on SIG/GIG organisation*

1. *SIG/GIG Reports*

All the SIG and GIG reports are received, except the SIG8 report, and could be found in the Dropbox folder.

2. *Approval of SIG14*

During the Council Meeting at IUCr2018 in Hyderabad, a new SIG, SIG14 (entitled D3- Dynamics, Disorder, Diffuse scattering) was approved. On Sunday 26 Aug (12-13, room Naranco) there will be the first meeting, and all those who have interest in Dynamics, Disorder or Diffuse Scattering are very welcome to join.

3. *Advertising SIGs/GIGs*

Following the suggestions during the last meeting of the ECA ExecComm with SIGs and GIGs Officers, all the SIGs and GIGs were invited to prepare one slide advertising their IG's activities (and inviting potential new members). The slides will be displayed in the breaks preceding/following the MS organized by the corresponding IG(s).

4. *SIG2 Name change*

At the Executive Committee meeting with the SIG/GIG chairs during the IUCr2017 in Hyderabad, SIG2 informed, and in April 2018 ECA ExComm received their formal request for the SIG2 name change from Charge, Spin and Momentum Density to Quantum Crystallography.

It was elaborated: it is a reaction to the developments at the IUCr level where the Commission of Charge, Spin and Momentum Density was renamed to Commission of Quantum Crystallography. This move at the ECA level was discussed with the members of SIG2 during the IUCr meeting and it was voted unanimously in favour of the name change (11 votes pro, 0 votes contra). This result was announced via the mailing list to all SIG2 members, and no further objections were received. SIG2 aims for a re-constitution under the new name at the ECM31 in Oviedo.

All the SIGs were informed about the SIG2 request, and no overlaps with other SIG's field of interests was reported.

4.6. *Report by Joke Hadermann on sponsorship of meetings and schools and CAM liaison*

Schools supported in 2017-2018

-Crystallography and development : what impact for Africa ? and IUCr UNESCO Open lab

Venue : Abidjan and Bingerville (Ivory Coast)

Dates : 22-31 March 2018

-51st Course of the International School of Crystallography “Electron Crystallography”

Venue : Ettore Majorana Foundation and Centre for Scientific Culture – Erice (TP) - Italy

Dates : 1-10 June 2018

-52nd Course of the International School of Crystallography “Quantum Crystallography”

Venue : Ettore Majorana Foundation and Centre for Scientific Culture – Erice (TP) - Italy

Dates : 1-10 June 2018

-2nd Meeting on Porous Molecular Solids

Venue : Vietri sul Mare (Italy)

Dates : 6-8 June 2018

-26th Croatian-Slovenian Crystallographic Meeting (CSCM26)

Venue : Hotel Diamant, Poreč, Croatia

Dates : 13-16 June 2018

-Hot Topics in Contemporary Crystallography – HTCC2018

Venue : Bol, Island of Brač, Croatia

Dates : 23-27 September 2018

4.7. *Report by Fermin Otalora on education and website related activities*

ECA domains and hosting

Configuration of the web provider has been checked and updated:

-ecanews.org (provided by gandi.net) is due for renewal in May, 2019

-crystallography.eu (provided by godaddy.com) is due for renewal in December, 2019

The records must be updated when a new officer is elected. Technical details are ready to be transferred. Payment terms must also be updated by the new treasurer, especially at godaddy.com, where they have my personal credit card because the domain name *crystallography.eu* was bought urgently (Dec/2013) when tis domain name became available.

The website hosting has also been checked. Contents have been moved to a new server to increase performance. All software (Wordpress, themes and plugins) have been updated to the last safe version.

GDPR compliance issues

The new European General Data Protection Regulation was enforced last 25 May 2018, requiring a series of changes in the policies of websites. Tools for GDPR compliance have been installed into the website. Currently active modules are the Privacy Settings module for administration and the *Privacy Policy settings for users*.

The ECA members database has been cleaned to comply with GDPR. All records of members inactive for more than 3 years have been deleted. All personal data in the remaining records has also been deleted. Currently, the members database only contains information on user name, password, email and country. New policies must be implemented for compliant member registration and for accessing to the members database by ECM organizers or any other potentially unauthorized person.

The cleaning of the database might have produced some inconsistencies, such as removal of members with outdated membership information (that was manually edited in the previous database). A few such problems have been detected and fixed when checking the list of IM's attending ECM31 with a reduced fee.

Distribution lists and email aliases

I have checked with my administration about the status of the current mailing list for the Executive Committee, handled by the servers of my organization (CSIC). This list can be maintained until the new officer in charge sets a new one, but only CSIC employees people can administer it. I can do this administration in the meantime.

The other key email distribution table is the rerouting email aliases list in the configuration of ecanews.org at gandi.net. This table must be edited as soon as new officers are elected. I'm also ready to make these changes or to show the new officer in charge how to do it.

ECA leaflets

The 2018 ECA leaflet (500 copies) has been edited, printed and shipped to the ECA booth at ECM31. The text and artwork used in this edition has been collected to transfer it.

Hosting policies

Maintenance and ECAnews links to Previous ECM websites is a recurring issue, we cannot keep running all the server-side software used by ECM webmasters. An alternative is to keep static html versions of the sites or pdf documents with the information in the website. These versions should always be provided by the ECM organizers. Both options are expensive in terms of hosting storage and less convenient than the corresponding live site. Anyway this is not the most expensive item in our website hosting bill. In case a cost reduction is needed, we can first consider switching from multi-hosting to single-site hosting. Multihosting was decided to allow ECSs, SIGs and GIGs for a separate site hosting. Up to now this feature has only been used by ECS3.

5. Elections

5.1. Elections to the Executive committee: President, Vice President, Treasurer, Secretary, 3 Officers, Education coordinator

The Executive committee proposes the following members:

President – Udo Heinemann (MDC Berlin - Germany)

Vice-President - Marijana Djakovic (University of Zagreb - Croatia)

Treasurer - Jacob Overgaard (Aarhus University – Denmark)

Secretary – Arie van der Lee (University of Montpellier, France)

Education Coordinator - Consiglia Tedesco (University of Salerno – Italy)

Officer - Carl-Henrik Görbitz (University of Oslo – Norway)

Officer - Delia Haynes (University of Stellenbosch – South Africa)

Officer - Jan Dohnálek (Academy of Sciences of the Czech Republic, Vestec – Czech Republic)

There are no other candidates. Each candidate presents him/herself.

UH has much ECA experience and also vision for the future of ECA, meetings and schools remain the core activities of ECA. ECA should, however, improve the organisation of these meetings by relying on professional support.

MD thanks the support of the actual ExComm, was secretary of the Croatian Crystallographic Association, involved in GIG3 and in ECA schools and the organization of ECM29.

JO thanks the candidature put forward by the Danish Crystallographic Association. His own crystallographic activities are in the field of SIG2 (Quantum crystallography).

AvdL is in materials chemistry and currently vice-president of the French crystallographic association and their webmaster as well.

CT is in the field of crystal engineering and has been involved a lot in the activities of the Italian Crystallographic Association

CHG is the SIG7 chair and in the council since 2002.

DH is in crystal engineering and was in the organization committee of ECS5; she has commitments in the African PCCr2 conference.

JD is in structural biology and is the vice-chair of SIG1.

6. Reports regarding ECMs

6.1. Changes to ECM Guidelines (MD, GR)

Free room for GIG1 asked for approximately 60 people plus an exhibition space. Participants

submitting a poster or giving a talk in a scientific microsposium are allowed to present a second poster or give a second invited or selected talk in a general interest microsposium (GI-MS).

- 6.2. *ECM31(2018) Oviedo progress in organisation (Laura Rocas, Santiago Garcia Granda)*
ECM31 has 316 non-ECA IM participants (419 at ECM30). There are 175 students (ECM30: 179). 29 retired crystallographers (36 at ECM30). 75 exhibitors (94 at ECM30). 36 accompanying persons (26 at ECM30). 50 children. There are 80 visitors with a temporary pass. 983 participants in total (931 at ECM30).

It is the feeling of the local organization that gender balance should be more broadly emphasized by the program committee. The kids room is successful and there is a positive feedback from the families. Could a company sponsor this kids room? This would make good publicity to the company. 44 booths in the exhibition hall and 33 exhibitors. There were 12 sponsors for more than 12 poster prizes.

- 6.3. *ECM32 (2019 Vienna - progress in organisation – K. Hradil)*

The main local organisers and the University of Vienna PCO are present at the Oviedo ECM31 meeting. The Micro-symposia are proposed and will be finalized within SIGs and GIGs this autumn. There are quite a number of satellite meetings, of which most will be held at TU Wien, the second host next to Uni Vienna. Evening lectures by Dan Shechtman (contacted), Ben Feringa (contacted) and Elspeth Garman (accepted). Discussion with exhibitors on-site showed that most of them want to have the arcades with the courtyard at reach for the exhibition even it is partly outside. They decided against the suggestion to part the exhibition area to the arcaded and 1st floor. The children's area is sponsored by the university. The budget break-even point is 730 participants. The conference dinner venue has been changed recently.

Tony Linden asks what happens with the exhibition area which is partly outside. The local organisers say that no particular problems are to be expected in view of the experiences in the past with this set-up.

SIG14 will they be included in programme? Kristina Djinovic will receive suggestions from SIG14 which will have a meeting at this congress.

- 6.4. *ECM33 (2021) Paris Progress in organisation (Sylvain Ravy)*

The sponsors prefer to avoid the weekends, therefore the date has been shifted so that there is only one Saturday during the meeting. Congress starts on Wednesday. The manager of the "Palais de Congres" has changed recently, but a new agreement has been found with the new manager. The break-even point is at 800 participants.

Lunches are provided but must be paid for. GMR suggests to find a sponsorship for the lunchboxes. Student accommodation is close to the congress hall. Alessia Bacchi notes that there are 3 KN in parallel, but fears overlap in content areas. This should be taken care off and if not, 3 parallel keynote lectures should be discouraged.

- 6.5. *Bid for ECM34 by Padova (Italy) (Giuseppe Zanotti and Gilberto Artioli)*

Padova is at 30 km from Venice and there are main train lines to Milan and Venice. The congress hall is close to the railway station. Padova has one of the oldest botanic gardens, and Galileo Galilei was professor in Padova. In 1678 there was the first woman having a doctorate.

Jaroslav Filinchuk asks whether there will be a children event. This will be taken care of.

7. European Crystallography School

7.1. Report on ECS5

The fifth European Crystallographic School (ECS5) was held under the auspices of the European Crystallography Association (ECA), the International Union of Crystallography (IUCr) and the South African Crystallographic Society (SACrS) in Stellenbosch, 8-14 July 2018. The school was attended by 86 participants, including 21 lecturers and tutors, from thirteen different countries, primarily from Africa. The first part of the school, from 8 July to 10 July, constituted an introduction to the fundamentals of crystallography, including symmetry, space groups, diffraction physics, crystallisation and the theory behind data collection, structure solution and refinement. From 11 – 13 July the participants divided into two groups, one focusing on materials science, and the other on structural biology.

The structural biology session included a visit to the University of Cape Town on 12 July for a demonstration of the instrumentation housed in the Structural Biology group, as well as hands-on

sessions on crystallisation and structure solution and refinement. The materials science grouping also focused on hands-on sessions on the Cambridge Structural Database, structure solution and refinement, powder diffraction (including Rietveld refinement) and solution of twinned and disordered structures. There was also a demonstration of the Stellenbosch University diffraction equipment. On the final day of the school the two groups joined up again for a description of how to report crystallographic data, neutron diffraction, and an overview of what crystals can be used for, followed by a final closing.

The daily programme consisted of four 1.5 hour lectures per day, separated by tea breaks and lunch, with a final discussion session at the end of the day, where students were divided into groups according to interest group and level of experience and were able to discuss the issues and questions that they had had during the day with an experienced mentor. At the end of these sessions the mentors met and discussed the questions that had arisen to determine what points required the most clarification, and feedback on these was then given at the beginning of the next day.

The social aspects of the event were also not neglected: on the opening evening of the school there was a well-attended mixer to give students the opportunity to meet each other, and the tutors and lecturers. On Wednesday afternoon there was an excursion to the wine estates Zorgvliet for wine tasting or Tokara for olive oil tasting and Spice Route, where the participants had a choice of wine, beer, gin, chocolate and charcuterie tastings. This was followed by dinner at the pizza restaurant on Spice Route wine estate. The farewell function on 13 July was a 'spitbraai' – lamb roasted on a spit – accompanied by a variety of the local wines, for which the region is world famous. These social events gave the students the opportunity to network with their peers and the lecturers and tutors involved in the school in an informal setting.

The ECS5 was funded by a number of organisations, to whom we would like to express our gratitude: the ECA for student support, the IUCr for student support and travel costs for two of our international lecturers, the Italian Crystallographic Association, the Cambridge Crystallographic Data Centre and the South African Chemical Institute for student support, Mitegen for bags (including two of their mounts), Bruker for pens and books, USB sticks, the travel costs of Tobias Stürzer and general funding, Malvern Panalytical for books on powder diffraction and general funding, Crystal Growth and Design and Wirsam Scientific for general funding, SASOL for student support and the Royal Society of Chemistry (Dalton Division) for accommodation for Andrew Bond and Ilia Guzei and printing costs. CrystEngComm donated prizes for students, and offered one-year subscriptions to all ECS5 participants who did not have access to their journal.

This funding definitely contributed to the success of the school: the feedback from the participants (both students and lecturers) has been overwhelmingly positive, with more than 80% of the students describing the school as good or excellent, and as useful for their research. The individual comments were in general also very positive, with the greatest complaint being that the lunches were too small. The lecturers and tutors involved in the school also enjoyed the experience, and remarked on the dedicated and positive attitudes of the students. Both lecturers and students had good advice for future schools, which will be passed onto the organisers of the next ECS.

7.2. *Bid for ECS6; Presentation for school ECS6 in Budapest (P. Bombicz)*

Budapest is very accessible and was already the ECM2004 venue. The organizers have lots of experience in international meetings. 100 students are expected and 30 teachers, and there is room for more. do have room for more

Agenda 2nd day

8. ECA Administration

Report on progress (CL)

Last year ideas for a more professional approach for the organization of ECM's were presented to the Council. This requires more legal expertise on hand for running ECA. Because of the changing ExecComm every three years external continuity is very important. An important task for an external organisation will be to increase membership. The quoted price for these tasks (model 1) is 4-5K € a year. How can this be financed? Increase membership fees for NM to 75€ + 1.25€ per active crystallographer; for CAMs increase to 350€; for IMs increase to 12€. Alternatively a PCO could organize future ECMs without additional fee for association management (model 2, BCA

model).

Peter Wood asks what happens in IUCr year when no ECM takes place. This is to be taken into account.

The example of ACA is cited. ACA has professional staff which is always paid, but ACA meetings are held every year, even in IUCr years. With a PAM more flexibility can be introduced. What do ECM organizers think of fixed PCOs for their congresses? Radomir Kuzel wonders what happens if we are unhappy with the PCO; he feels more happy when not tied to any long contract PCO.

Kristina Djinovic remarks there are many same requirements for each ECMs, everybody has to learn from scratch, so it will be better to have some continuation. Harry Powell emphasizes that satellites should be organized independently from the main ECMs, without interference of an eventual PCO. Guisepppe Zanotti is in favour of model 1; there is only a small increase for the IM fee. He feels that model 1 is safer. Claire Naylor (Molecular Dimensions) thinks that the increase of the CAM fee is rather large. She has some hesitations by the impact of the logos on the ECA website – MD is monitoring the visits on their website that come from the ECA pages. Santiago Garcia Granda is in favour of model 1 since model 2 creates dependencies that could cause problems. However, increasing fees for giving more grants would be better than increasing fees for a better administration.

Recruitment of new members and better publicity should be one of the main tasks of the PAM.

Model 1 seems to be preferred so the ExComm will elaborate on model 1 and give more details at the next Council meeting in Vienna (August 2019).

8.1. *IUCr-ECA link (Radek Kuzel)*

The 25th General Assembly and Congress of the International Union of Crystallography will be held in Prague from August 22 to August 29. (www.iucr25.org or www.iucr2020.org). The congress programme is prepared by the International Programme Committee (IPC) representing mainly the IUCr commissions that also show main focus of the congress. IPC meeting will take place in May 15-16, 2019 in Prague and it will be introduced by one-day workshop Current Trends and Future of Crystallography. The decision to organize such a meeting came for several reasons. This will be anniversary congress and it is worthwhile to make some summary at this occasion. All the IUCr commissions were asked to submit a text with highlights in their fields and possible considerations for the future. This will be presented in the frame of workshop in short talks by commission representatives in the IPC. This should also help the IPC members to understand crystallography in a broader sense and not just defeat their topics at the IPC meeting.

The inauguration of the Congress will take place on the evening of August 22, 2020 followed by seven full days of scientific sessions, 8-9 in parallel, in maximum. The closing ceremony will take place in the evening of August 29, 2020. Workshops (half and full day) can be held on August 21-22, and also on August 30, after the congress.

More about the congress can be found on web pages or in the IUCr newsletter <https://www.iucr.org/news/newsletter> (issue 1, 2019 and following)

The IUCr made an operating profit in 2017 for the first time since 2012. The profit was mostly due to the weakness of the UK sterling. The Calendar Committee budget is USD 130,000 mainly for support of the participation of students at schools, workshops and conferences.

The incoming Editor-in-Chief - Andrew Allan is aiming to strengthen connections between IUCrJ and the other journals, so that they could all benefit from the strength of IUCrJ and also he expressed the opinion that Main Editors be given encouragement to take stronger action to lead the development of sections in the fields they know, such as by being responsible for finding new Co-editors and training them. It was noted that the rates of citations of papers in Special Issues are higher than those of articles in the same journal that were not part of a Special Issue.

Open access policy is intensively discussed. Generally, open-access papers were downloaded more and cited more, but it was unclear whether this was heavily influenced by researchers from well-funded laboratories doing high-quality research being more likely to be able to afford to pay for open access. However, researchers from poorly-funded laboratories would have more access to open-access papers and so would be able to cite those more readily than articles behind a paywall. The new volume of International Tables – H – Powder diffraction appeared (950 pages).

The new digital Newsletter had launched on 15 August with a new Main Editor (Professor M. Glazer) and Regional Editors

The Associates Programme had been launched at the Hyderabad Congress, and uptake had been much slower than had been hoped. Discounts for International Tables had been revised to encourage more customers to become Associates, with a 50% discount being available for Associates and 30% for non-Associates.

ICSU grant to IUPAP and IUCr (LAAAMP) - the Lightsources for Africa, the Americas, Asia and the Middle East Project (LAAAMP) will pay for all 2019 Open Labs and other activities in these countries.

9. Initiative for Science in Europe (ISE), (UH)

See agenda point 4.1

10. National Crystallographic Associations (report from CHG)

10.1. Contact with councillors, upgrade of ECA web page

10.2. Observer Countries (Armenia, Belarus, Estonia), non-member countries

10.3. New contacts resulting from of the OpenLab in Tirana

10.4. Grouping ECA member and IUCr non-member countries to IUCr Adhering Body

Several countries were represented at IUCr XXIV in Hyderabad in 2017, and new National councillors have since been confirmed for Egypt and Tunisia. The joint meeting of the Pan African Conference on Crystallography - PCCr2 - and The African Light Source - AfLS2 – is hosted by the University of Ghana and will take place in Accra from 28th January 2019 to 2nd February 2019. There have been extensive planning activities running through 2018, promising a fine scientific programme.

There have been no special contacts with representatives from the Middle East other than Egypt (see above). After Albania/Kosovo joined ECA, there have been no new applications for membership. E-mails sent to crystallographers in important non-member countries, including Romania, Moldova, Iran, Lebanon, Armenia (see report at IUCrXXIV in 2017) has still not resulted in any new contacts. Malta expressed interest in late 2017, but further attempts to follow up this initiative has not yet materialized into an application.

There have been no contacts with crystallographers in the three observer countries Armenia, Belarus, Estonia, which have not been present at Council meetings after 2010. Contacts with crystallographers asking about national and personal ECA memberships have been handled regularly.

11. ECA membership (JH, CHG)

11.1. Enlarging the number of IMs and CAMs of the ECA, relationship between ECA, the ECMs and the CAMs

11.2. New applications for ECA national membership

11.3. CAM applications for ECA membership : Crystal Maker and PDBe

11.4. Report of the Individual Members Representatives

ST and HP are happy to continue. KD has served 6 years, is thanked for his involvement and for serving another 3 years.

IMs will do their own election and communicate the results to Council.

12. Annual Reports regarding SIGs / GIGs activity (MD)

12.1. SIG.1 Macromolecular Crystallography (Marjolein Thunnissen)

12.2. SIG.2 Charge, Spin & Momentum Density (Birger Dittrich)

12.3. SIG.3 Aperiodic Crystallography (Artem M. Abakumov)

12.4. SIG.4 Electron Crystallography (Holger Klein)

12.5. SIG.5 Mineralogical Crystallography (Sergey Krivovichev)

12.6. SIG.6 Instrumentation and Experimental Techniques (IET) (Ulrich Pietsch)

12.7. SIG.7 Molecular Interaction and Recognition (MIR) (Carl Henrik Görbitz)

12.8. SIG.8 Powder Diffraction (SIGPD) (Paolo Scardi)

- 12.9. *SIG.9 Crystallographic Computing (CCSIG) (Harry Powell)*
- 12.10. *SIG.11 Extreme Conditions (Karen Friese)*
- 12.11. *SIG.12 Materials Science (Andrzej Grzechnik)*
- 12.12. *SIG.13 Molecular Structures and Chemical Properties (Alessandra Crispini)*
- 12.13. *SIG-14 Dynamics, Disorder, Diffuse scattering (Anders Madsen)*
- 12.14. *GIG.1 Young Crystallographers (Andrew Mahoney)*
- 12.15. *GIG.2 Senior Crystallographers (Menahem Kaftory)*
- 12.16. *GIG.3 Education in Crystallography (Chiara Massera)*

ExComm will meet SIG and GIG chairs tomorrow. Only the SIG8 report is not on time. The reports can be found in the Dropbox

13. Educational activities (Fermin Otalora)

See agenda point 7.

14. Schools, Conferences and Workshops (JH)

14.1. *Request for support from ECA to schools and workshops*

See agenda point 4.6

14.2. *The ECA Scholarship Fund – increase awareness and fund raising*

This fund was promoted by John Helliwell; it is used to sponsor travel expenses of senior scientists who cannot afford to come. However, the fund is nearly empty (100€), so no scholarships can be attributed. There were three demands, but they were told that the fund is empty. Udo Heinemann suggests to use some of the ECM surplus to cover these demands.

15. Prizes of ECA: Perutz Prize, Bertaut Prize, Poster prizes and fund raising (UH)

See agenda point 4.1

16. Votes

Papers distributed for nominees and collected and counted

16.1. *New Executive committee*

The proposal from the ExComm is accepted by the Council

16.2. *Approval of the venue for ECM34*

The proposal from the ExComm is accepted by the Council

16.3. *The ECA: what to do - where to go*

Discussion regarding rules and future proceedings. Written contributions from the Councillors as well as from Individual Members are welcome!

16.4. *Any other business*

The DGK president announces that they make a bid for the IUCr2029 Congress to be held in Berlin. The DGK appreciates support from all Europe for this bid.

17. Close

ECA

Council Meeting

1

1pm Wednesday 23 August 2017

17 day 1
24 day 2

Councillors of National Adhering Bodies

	Voting Right	Councillors	e-mail	Alternate
<i>Albania</i>				
Algeria	Yes	Ahmed Bekka		
Austria	Yes ✓	Christoph Kratky	Klaudia Hradil	<i>Klaudia.Hradil@tuwien.ac.at</i>
Belgium	Yes ✓	Prof. Dominique Maes	dominique.maes@vub.ac.be	Prof. Yaroslav Filinchuk
Bulgaria	Yes	Boris Shivachev		
Croatia	Yes ✓	Stanko Popovic		Aleksandar Visnjevac
Czech and Slovak Rep	Yes ✓	Jindrich Hasek		
Denmark	Yes ✓	Anders Ø Madsen		<i>JACOB OVERGAARD</i> <i>jacob@chem.au.dk</i>
Egypt	Yes	Zein Heiba		
Finland	Yes	Kari Rissanen		Simo Huotari
France	Yes ✓	S. Ravy <i>S. Ravy</i>		J.P. Itié <i>J.P. Itié</i>
Germany	Yes -	Ute Kolb	kolb@uni-mainz.de	Juergen Schreuer
Greece	Yes	Spyros E. Zographos	sez@eie.gr	Dr. Kyriacos Petratos
Hungary	Yes	<u>Petra Bombicz</u>		
Ireland	Yes	Patrick McArdle		John Gallagher
Israel	Yes	Michal Harel		Israel Goldberg
Italy	Yes ✓	Giuseppe Zanotti	<i>giuseppe.zanotti@unipi.it</i>	Chiara Massera
Latvia	Yes	Anatolij Mishnev		
Society of Chemists and Technologists of Macedonia, Division of Crystallography	Yes	Pance Naumov		
Morocco	Yes	Nouzha Bouhaida		
Netherlands	Yes <i>AP</i>	Martin Lutz		
Norway	Yes ✓	Carl Henrik Görbitz	<i>c.h.gorbitz@kjem.uio.no</i>	
Poland	Yes	Marek Głowka		Zbigniew Kaszukur
Portugal	Yes	Pedro Pereira		Teresa Duarte
Russia	Yes ✓	Irina Makarova	<i>makarova@vys.sras.ru</i>	
Serbia	Yes	Jelena Rogan		Olivera R. Klisuric
Slovenia	Yes	Anton Meden		
South Africa	Yes ✓	Dave Billing	<i>ce@sun.ac.za</i>	<u>Catharine Esterhuysen</u>
Spain	Yes ✓	Fernando Lahoz	lahoz@umizar.es	

Anthony LINDEN

	Voting Right	Councillors	e-mail	Alternate
<input checked="" type="checkbox"/> Sweden	Yes	Xiaodong Zou Elisabeth Sauer-Erikson	xzou@mmk.su.se	
<input checked="" type="checkbox"/> Switzerland	Yes	Jürg Schöfer	anthony.linden@chem-uzh.ch	Katharina Fromm
<input checked="" type="checkbox"/> Tunisia	Yes	Mongi Debbabi		
<input checked="" type="checkbox"/> Turkey	Yes	Süheyla Özbey	sozboy@hacettepe.edu.tr	sozboy@hacettepe.edu.tr
<input checked="" type="checkbox"/> UK	Yes	Lee Brammer	richard.cooper@chem.ox.ac.uk	Richard Cooper
Ukraine	Yes	Roman Gladyshevskii		
IM representative (2015-18)	Yes	Harry Powell		
IM representative (2015-18)	Yes	Serena C. Tarantino		
IM representative (2015-18)	Yes	Kamil Dziubek	dziubek@lens.unifi.it	
CAM representative (2011-2014)	Yes	Tony Savill	Clair@molcular.com jeanette@molculardimensions.com	Wiesmann@indicates.de

Observers

IUCr	No	Radomir Kuzel		
Armenia	No	Hakob Bezirganyan		Siranush Bezirganyan
Belarus	No	Alexander Lyakhov		
Estonia	No	Hugo Mandar		

SIG's representatives

SIG 1	No	Marjolein Thunnissen		
SIG 2	No	Birger Dittrich		
SIG 3	No	Artem M. Abakumov		
SIG 4	No	Holger Klein		
SIG 5	No	Sergey V. Krivovichev		
SIG 6	No	Ulrich Pietsch		
SIG 7	No	Carl Henrik Gorbitz		
SIG 8	No	Paolo Scardi		
SIG 9	No	Harry Powell		
SIG 10	No	closed		
SIG 11	No	Karen Friese		
SIG 12	No	Andrzej Grzechnik		
SIG 13	No	Alexandra Crispini		
GIG1	No	Andrew Maloney	maloney@cedc.com	
GIG2	No	Menahem Kaftory		

Auditors

Auditor (2016)	No	Jindrich Hasek	HASEKJH@seznam.cz	R. Kuzel
Auditor (2016)	No	Carlo Mealli		

ECM's representatives

ECM30-2016	no	Katharina Fromm	8	
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ECM31-2016 NO SIG 13 GIG 1 SIG 13 GIG 1 SIG 13 GIG 1

	Voting Right	Councillors	e-mail	Alternate
		Juerg Schefer		
ECM31	No	Santiago Garcia-Granda		
ECM32	No	Klaudia Hradil	<i>Klaudia.hradil@fuwien.ac.at</i>	

Executive Committee

President	✓ No	Alessia Bacchi	<i>AB</i>	
Vice-president	No	Udo Heinemann	<i>U. Heinemann</i>	
Past-president	✓ No	Andreas Roodt	<i>roodta@ufs.ac.za</i>	
Secretary	No	Georgina Rosair	<i>GR</i>	
Treasurer	✓ No	Christian Lehmann	<i>CL</i>	
Member	✓ No	Joke Hadermann	<i>joke.hadermann@waintwerpen.be</i>	
Member	No	Marijana Djakovic		
Member	No	Carl Henrik Gorbitz		
Educ coord, ecanews	No	Fermin Otalora		
Candidate	No			
Candidate	No			
Candidate	No			
Candidate	No			
Candidate	No			

CAMs

Bruker	No	Eric Hovestreydt		
Panalytical	No	Celeste Reiss		
Molecular Dimensions Limited	No	Tony Savill		
CCDC	No			
marresearch	No	Göran Helgerson		
STOE	No			
Rigaku Oxford Diffraction	No	Sue Lewis Duncan		
Zeitschrift für Kristallographie/Oldenbourg	No			
Agilent Technologies	No	Oliver Presly		
Dectris	No			
Huber	No			
Oxford Cryosystem	No			
NanoMEGAS	No			
Taylor&Francis Group	No			
Crystal Impact	No			

1pm . Friday 25 August

	Voting Right	Councillors	e-mail	Alternate	Signature
Algeria	Yes	BENALI-CHEAF Ahmed Bekka M.			
Austria	Yes	Christoph Kratky	Klaudia Hradil		
Belgium	Yes	Prof. Dominique Maes	dominique.maes@vub.ac.be	Prof. Yaroslav Filinchuk	
Bulgaria	Yes	Boris Shivachev		Manja Luv / Manjaga Balovic	
Croatia	Yes	Stanko Popovic Biserka Marovic		Aleksandar Visnjevac	
Czech and Slovak Rep	Yes	Jindrich Hasek			
Denmark	Yes	Anders Ø Madsen		JENS-ERIK JØRGENSEN	
Egypt	Yes	Zein Helba			
Finland	Yes	Kari Rissanen	Kari Rissanen	Simo Huotari	
France	Yes	S. Ravy		J.P. Ilié	
Germany	Yes	Ute Kolb	(kolb@uni-mainz.de)	Juergen Schreuer	
Greece	Yes	Spyros E. Zographos	<sez@eie.gr>	Dr. Kyriacos Petratos	
Hungary	Yes	Petra Bombicz	bombicz.petra@ttk.mta.hu		
Ireland	Yes	Patrick McArdle		John Gallagher	
Israel	Yes	Michal Harel	Louisa Meshi	Israel Goldberg	
Italy	Yes	Giuseppe Zanotti	ANNAUSA GUZZI	Chiara Massera	
Latvia	Yes	Anatolij Mishnev	annalisa.guerrini@unifi.it		
Society of Chemists and Technologists of Macedonia, Division of Crystallography	Yes	Pance Naumov			
Morocco	Yes	Nouzha Bouhaida	amcrystallographie@univ-bordj.dz	Driss ZAKARIA	
Netherlands	Yes	Martin Lutz	bram.schierbeck@univ.nl	Bram Schierbeck	
Norway	Yes	Carl Henrik Görbitz	ch.gorbitz@univ.no	Ulv N	
Poland	Yes	Marek Piwocka	paszko@pan.edu.pl	Zbigniew Kaszkur	
Portugal	Yes	Pedro Pereira		Teresa Duarte	
Russia	Yes	Irina Makarova	makarova	makarova@ustas.ru	
Serbia	Yes	Jelena Rogan		Olivera R. Krsuric	
Slovenia	Yes	Anton Meden			
South Africa	Yes	Dave Billing		Catharine Esterhuysen	
Spain	Yes	Fernando Lahoz			
Sweden	Yes	Elisabeth Sauer-Erikson		Xiaodong Zou	
Switzerland	Yes	Jürg Schofer	anthony.linden@univ.ch		
Tunisia	Yes	Mongi Debhaji			
Turkey	Yes	Süheyla Özbey	spg19 idz	F. Betül Kaynak	
UK	Yes	Lee Brammer		Richard Cooper	
Ukraine	Yes	Roman Gladyshevskii			
IM representative (2015-18)	Yes	Harry Powell			
IM representative (2015-18)	Yes	Serena C. Tarantino			
IM representative (2015-18)	Yes	Kamil Dziubek.			
CAM representative (2011-2014)	Yes	Tony Savill		Jörg Wiesmann	
Observers					

Albania
Korvo

Yes IRIPAN SILIOI

BUDJAR DIDA

IUCr	No	Radomir Kuzel			
Armenia	No	Hakob Bezirganyan		Siranush Bezirganyan	
Belarus	No	Alexander Lyakhov			
Estonia	No	Hugo Mandar			
SIG's representatives					
SIG 1	No	Marjolein Thunnissen			
SIG 2	No	Birger Dittrich			
SIG 3	No	Artem M. Abakumov			
SIG 4	No	Holger Klein			
SIG 5	No	Sergey V. Krivovichev			
SIG 6	No	Ulrich Pietsch			
SIG 7	No	Carl Henrik Gorbitz			CHG
SIG 8	No	Paolo Scardi			
SIG 9	No	Harry Powell			
SIG 10	No	closed			
SIG 11	No	Karen Friese	K. Friese + Julia Maxim Bukov		The Friese
SIG 12	No	Andrzej Grzechnik			
SIG 13	No	Alexandra Crispini		Petra Bobbia	Rel Paul
GIG1	No	Andrew Maloney	maloney@ccdc.com.au		
GIG2	No	Menahem Kafory			
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Auditor (2016)	No	Jindrich Hasek			
Auditor (2016)	No	Carlo Mealli			
ECM's representatives					
ECM30-2016	no	Katharina Fromm Juerg Schefer			
ECM31	No	Santiago Garcia-Granda			
ECM32	No	Klaudia Hradil			
Executive Committee					
President	No	Alessia Bacchi			
Vice-president	No	Udo Heinemann			
Past-president	No	Andreas Roodt			
Secretary	No	Georgina Rosair			
Treasurer	No	Christian Lehmann			
Member	No	Joke Hadermann			
Member	No	Marijana Djakovic			
Member	No	Carl Henrik Gorbitz			
Educ coord, ecanews	No	Fermin Ojalora			
Candidate	No				
Candidate	No				
Candidate	No				
Candidate	No				
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GIG3

