

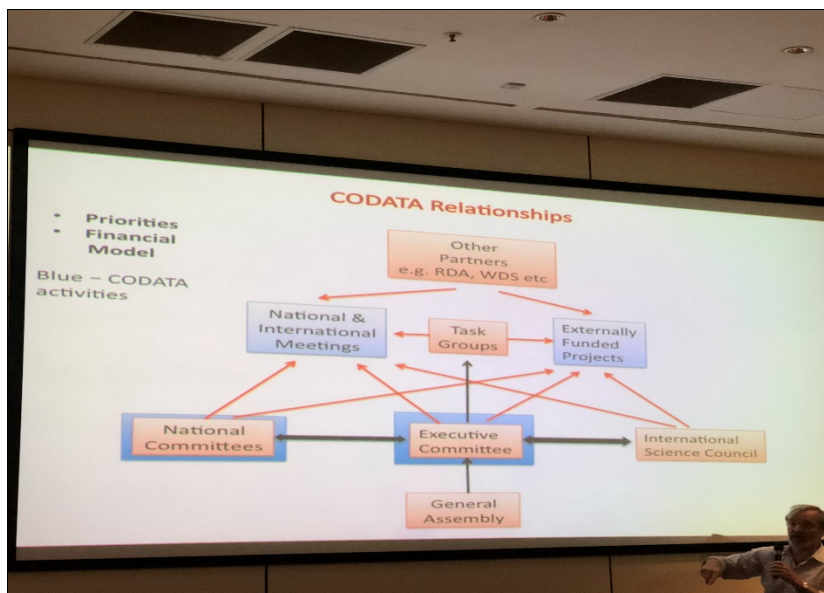
(附表五)

會後報告書

*本報告書之內容應敘明大會議題、討論內容、選舉結果、個人與會經驗、以及建議下次開會前應如何準備，以便積極參與國際組織之核心運作等；並蒐集國際獎項徵求提名之資訊，俾主動推薦合適人選參與競爭，字數應不少於一千字。

本屆 CODATA 大會為第 31 屆。於 2018/11/9-10 在 University of Botswana, Gaborone, Botswana 舉行。由會長 Geoffrey Boulton 召集，與會者包括 CODATA Officers, Executive Committee members, 國家會員代表(national member)、學會會員代表(union member) 以及 task and working group 代表等，還有不具投票權的觀察員。大會議程詳網址：[http://www.codata.org/uploads/CODATA General Assembly 2018-Agenda v05.pdf](http://www.codata.org/uploads/CODATA_General_Assembly_2018-Agenda_v05.pdf) (附件一)

第一天的議程安排了大會的報告，首先由 Executive Director Simon Hodson 報告上次大會 (2016 年) 迄今，CODATA 的幾個重大活動，包括 Data Policy 委員會的報告 (研究資料的 Legal Interoperability 規範、研究資料庫的永續經營模式等)、Data Interoperability and Integration for Interdisciplinary Research (探討將資料轉換為知識過程中，大學裡研究資料庫管理基礎建設所扮演的重要角色、FAIR 之觀念與開放科學之關係，可信賴的資料庫所扮演之角色及 FAIR 服務之需求，如何賦予各自的績效等議題)、African Open Science Platform (非洲國家開放科學平台之建置，資料庫建置之詮釋資料格式、資料儲存、擷取、利用以及所需要的應用軟體與網路設備，開放資料科學家的培訓與教育、還有資金經費的取得等等) 以及 CODATA-RDA School of Research Data Science. 還有報告 CODATA 會員的招攬狀況，經費的需求，各個國家會員(National Member)在其國家或學術團體應扮演的角色，以及探討成立國家層級的委員會 (National Committee) 可以帶來的影響與效益。CODATA 主席 Geoffrey Boulton 則對 CODATA 的任務與重點發展做個回顧，例如 2000 時代重視 Data Citation、Open Access、GEO Data Sharing Principles，以及 International Polar Year Data、2010 時代則重視 Open Data/Open Science、Frontiers of Data Science、Capacity Building 以及 Principles, Policies and Practices。提出下個世代 2020 時代究竟應該將重點放在哪些議題？2017 年 CODATA 的母體 ICSU (International Council for Science) 與 ISSC (International Social Science Council) 整合而成 ISC (International Science Council)，此組織的改變，讓自然 (物理) 科學與社會科學結合成為泛稱的科學。將 CODATA 的社會科學的含量大增。這也反映在今年執行委員會 (Executive Committee) 的選舉上。CODATA 內部成員、計畫、活動之架構、相互之間的關係，詳 (下圖)



CODATA 財務長 John Broome 則提供了這兩、三年的財務報告，說明最近幾年，每年的支出都超出會員費的收入等，必須有「開源節流」的規劃，因此明年的預算也作了適度的刪減，避免赤字支出擴大，同時也觸及如何積極進行會員的招攬，以及收入的擴增。例如增加招募企業、團體會員 (Institutional Member) 以及附屬會員 (Affiliate Member) 等。秘書長 Bonnie Carroll 則提出幾個大會章程的修正案，例如將 Executive Committee 的組成人數由目前的 8 席擴增為 10 席，並將賦予個執行委員更大的任務。今年的議程與往年有些不一樣，新增了一項 CODATA 未來的策略規劃，分別由現任主席 Geoffrey Boulton，還有兩位新任主席的被提名人 Barend Mons 及 Tony Hey 提出他們的見解並深入討論。這未來願景的討論也讓與會者更能了解下屆 CODATA 主席，其領導風格與未來的重點發展方向。

第二天，則進行主席、副主席、執行委員會委員的選舉，由本人（現任執行委員會委員任期屆滿，即將卸任）擔任計票員，（另外兩名觀察員擔任監票員）。候選人分別做 5 分鐘的政見發表以及問題提問解答等程序，（執行委員會委員僅有 3 分鐘的政見發表，且無問答）。票選結果如下：主席 Barend Mons（美國），副主席 Jianhui Li（中國）及 Alena Rybkina（俄羅斯），執行委員會委員共票選八席，Toshihiro Ashino（日本）、Ernie Boyko（加拿大）、Tyng-Ruey Chuang 莊庭瑞（臺灣）、Simon Cox（澳洲）、Richard Hartshorn（紐西蘭-IUPAC 提名）、Virginia Murray（英國）、Daisy Selemetsala（南非-PASTD 提名）以及 Joseph Wafula（肯亞）。成員代表就地理位置的分佈而言相當平均。最後也對 Task Group 新增提案的內容的審查進行報告，與票選，除了一案外，其餘 10 案都獲得通過。

此次出席大會，首先在簽證的取得上，就遭遇到不少困難，一般作業是透過旅行社協助辦理簽證事宜。由於 Botswana 與我國並無邦交關係，以往都可以透過鄰近國家如 Botswana 駐日本的大使館辦理簽證，可是這次被告知必須將護照寄往該國駐中國北京的大使館辦理簽證。由於將護照寄往北京有其風險，我們只好請求 CODATA 大會的協助，辦理我方出席人員（共三位）的簽證申請（護照影本、申請表格及簽證費用匯款證明，班機行程表等），在我方外交部領務局的協助下（護照影本的認證），終於在出國前三天左右正式取的「核定」書，可以在機場取得簽證，順利進關。（事後得知，在申辦簽證的過程中，中國方面也有介入，我們的簽證申請是透過 Botswana 總理府允准的。）

與會的過程中，與各國代表的互動了解，中國在此國際組織持續挹注相當資源，也舉辦不少與開放資料相關的研討會以及訓練課程，還有資助執行委員會委員參加執行委員會會議的召開，提供參與國家從事資料科學研究之年輕學者/學生經費的補助，因而獲取其他會員國的肯定，中國代表 Jianhui Li 是執行委員會第二任（4 年）委員，今年直接參選副主席，就以高票獲選。反觀我國，在 CODATA 此組織的經費投入非常貧乏，鮮少有顯著的活動。只有在 2012 年爭取到 CODATA 大會以及國際會議在中研院舉辦的主辦權，本人也得以獲選擔任執行委員會委員迄今。這期間也經過兩次的選舉獲得連任，今年已擔任六年屆滿，才由 CODATA-Taiwan 提名莊庭瑞博士，再次爭取執行委員會委員席次。由於莊庭瑞博士與另一位同仁（李士傑）也出席了大會之前的國際會議 IDW (International Data Week, 11/4-7)，並發表論文以及海報，獲得與會成員的肯定與讚賞，再加上大會期間與各國會員有進一步、更緊密的交流，得以在大會票選時獲得多數會員的支持，而獲選擔任執行委員會委員，誠屬不易。

由於開放科學、資料科學已是現今科學發展的趨勢，共享經濟與共享資料亦是數位經濟、科技發展的主流。政府有必要投入更多的經費，鼓勵 CODATA-Taiwan 的成員，學會團體參與，並與國際接軌、互動交流。增加國際的參與度以及能見度，提升我國國際地位。以中研院的經費、人力資源以及跨領域學科研究的潛力，相信我們可以發展「真」實力，獲取國際的認同與肯定。



Committee on Data of the International Science Council

CODATA General Assembly DRAFT Agenda (v06 – 2018-11-04) University of Botswana, Gaborone, Botswana 9-10 November 2018

At least once every two years, the CODATA President convenes a General Assembly to review progress and plan for the future. Normally, the General Assembly immediately follows the CODATA Conference: in 2018 the General Assembly will be held at the University of Botswana, Gaborone, Botswana.

Participants include CODATA Officers, Executive Committee members, delegates from national and ICSU Union members, task and working group representatives, and spokespersons for other CODATA activities. Observers may be invited, for example, from ICSU and its bodies or from potential new member countries and organisations. Anyone wishing to be an observer should make the request to the Executive Director to ensure adequate seating is available.

In addition to overseeing the general governance of CODATA, and receiving financial and secretariat reports, the General Assembly provides a forum for national, union, and task group representatives report on their data-related activities and requirements. Other activities include review of membership applications, voting for Officers and Executive Committee members, conference planning, and selection of task groups. Members also participate in strategic planning and direct the Executive Committee to achieve specific objectives.

Day One: Friday 9 November

09:00-11:00 **Reporting Session 1**

Executive Director's Report - *Simon Hodson, Executive Director*

CODATA Initiatives (Data Integration, African Open Science Platform, Data Schools, Data Policy Committee, Data Science Journal): *Geoffrey Boulton, CODATA President and Simon Hodson, Executive Director*
Questions and discussion.

Financial Report: *John Broome, Treasurer.*
Questions and discussion.

- 11:00-11:30 Break
- 11:30-13:00 **CODATA Governance: Revised CODATA Constitution**
- Presentation of the **proposed revised constitution**.
 Presentation and voting on formal amendments to the proposed revised constitution (the deadline for formal amendments was 24 September): **from IUCr, from US National Committee**.
 Voting on the full revised constitution, incorporating any accepted amendments.
- 13:00-14:00 Lunch
- 14:00-16:00 **Report and Strategy Session**
- President's Report on State of CODATA and laying out introduction to the strategy for the future**
- Strategic Presentations and Discussion.
- 16:00-16:30 Break
- 16:30-17:30 **National Committees and Unions – Activities and national priorities:**
Bonnie Carroll, Secretary General, and John Broome, Treasurer.
Questions and discussion.
- 17:30 Adjourn Day One

Day Two: Saturday 10 November

- 08:30-10:30 **CODATA Governance: Elections**
- Presentations by candidates for President (5 minutes + 3 questions each)
 Vote
- Presentations by candidates for Vice-President (3 minutes + 2 questions each)
 Vote
- Presentations by candidates for Ordinary Member (2 minutes)
 Vote
- 10:30-11:00 Break

11:00-12:30	Selection of Task Groups Short presentations by candidate Task Groups (3 minutes each plus 2 questions). Voting
12:30-13:00	Special Resolutions Passing the gavel General Assembly closed by the new President
13:00-14:00	Lunch (Old and New Executive Committees)
14:00-16:00	First meeting of the new CODATA Executive Committee

(附表五)

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Report on International Data Week 2018 and CODATA General Assembly

Tyng-Ruey Chuang (2018-12-11)

The International Data Week 2018 was held in Gaborone, Botswana, from November 5 to 8 [1]. This is a major event for data professionals and researchers from all disciplines and from across the globe. The theme of International Data Week 2018 (IDW 2018) is 'Digital Frontiers of Global Science'. It was jointly organized by ISC Committee on Data for Science and Technology (CODATA) [2], the ISC World Data System (WDS) [3], the Research Data Alliance (RDA) [4], the University of Botswana [5], and the Academy of Science of South Africa (ASSAf) [6].

The International Data Week 2018 combines the 12th RDA Plenary Meeting [7], the bi-annual meeting of the research data community, and SciDataCon 2018 [8], the scientific conference addressing the frontiers of data in research. The last International Data Week was held in September 2016, in Denver, Colorado, USA [9]. In addition to the 12th RDA Plenary Meeting and SciDataCon 2018, IDW 2018 also features many keynotes, invited talks, panels, and workshops. Many scientific activities and meetings co-located with IDW 2018 as well. In particular, the Data Repositories Day 2018 (including WDS Members' Forum) was held on November 9 [10], and the CODATA General Assembly took place on November 9 and 10 [11]. An overview of the International Data Week 2018 program can be found online [12].

The President of The Republic of Botswana President, Dr. Mokgweetsi Eric Keabetswe Masisi, formally opened the International Data Week 2018 and delivered the opening keynote [13]. The organizers reported at the closing of the program that 820 people, coming from 66 countries, had participated in the events. About 60% of the participants were from Africa. These are very impressive numbers. To our view, the International Data Week this year is a great success. We are much grateful to the organizers for their tireless efforts. The week closed with a lovely farewell message, that "IDW 2018 was an important platform during which 'international' was extended to Africa, and data workers from all over the world were given a voice to engage in future dialogue."

We presented research results and data activities in several sessions in IDW 2018. We talked about communal sharing of sensitive data in session "Issues in the Relationships of Upstream Research Data to Downstream Innovation". We reported case studies on mutually enriched data projects in session "Citizen

Science Data – from Collection to Curation to Management". Our poster on "Retooling An Open Data Repository for A Research Data Repository" was also invited for an oral presentation at the session "Repositories: Are we serving our scientists? Cross-learnings from multiple disciplines". Our slides can be found online [14].

After IDW 2018, the CODATA General Assembly took place at the University of Botswana on November 9 and 10. The general assembly was attended by 28 official delegates (national members and scientific unions), affiliated and co-opted members, as well as observers and CODATA officers. Taiwan is a full national member of CODATA (represented by Academia Sinica). The general assembly includes sessions on the revision of the CODATA Constitution, CODATA future strategy, reports from national committees and unions, as well as the elections of the new President, Vice-Presidents, and Ordinary Members of the Executive Committee.

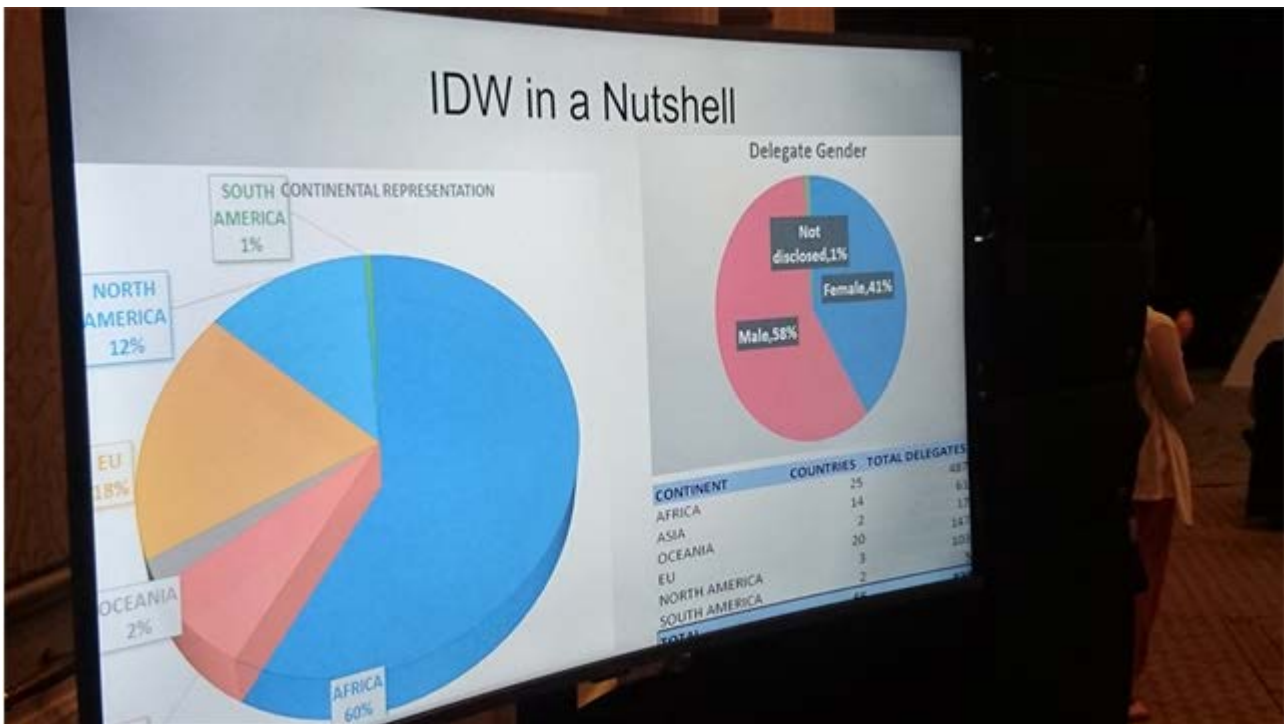
Barend Mons (Netherlands, nominated by USA) was elected as the new president (4-year term). Jianhui Li (China) and Alena Rybkina (Russia) were elected as the new presidents (4-year term). The ordinary members of the Executive Committee now consists of Toshihiro Ashino (Japan), Ernie Boyko (Canada), Tyng-Ruey Chuang (Taiwan), Simon Cox (Australia), Richard Hartshorn (New Zealand, nominated by IUPAC), Virginia Murray (UK), Daisy Selemetsala (South Africa), and Joseph Wafula (Kenya).



IDW 2018 Plenary Session and Panel Discussion: Data and Health.



Presenting Our Poster – Retooling An Open Data Repository for A Research Data Repository – to Researchers from South Africa.



IDW 2018 in a Nutshell.

[1]	< http://www.internationaldataweek.org/ >
[2]	< http://www.codata.org/ >
[3]	< https://www.icsu-wds.org/ >

[4]	< https://rd-alliance.org/ >
[5]	< https://www.ub.bw/ >
[6]	< https://www.assaf.org.za/ >
[7]	< https://rd-alliance.org/plenaries/rda-twelfth-plenary-meeting-part-international-data-week-2018-gaborone-botswana >
[8]	< https://www.scidatacon.org/IDW2018/programme/ >
[9]	< http://www.internationaldataweek.org/programme >
[10]	< https://www.icsu-wds.org/events/wds-events/data-repositories-day-2018 >
[11]	< http://www.codata.org/events/general-assembly/general-assembly-2018 >
[12]	< http://www.internationaldataweek.org/programme-overview >
[13]	< http://www.internationaldataweek.org/botswana-president-his-excellency-dr-mokgweetsi-masisi-open-idw-2018 >
[14]	< http://media.academia.tw/u/trc/collection/scidatacon-2018/ >