情報通信研究機構

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第７回 ICSU-WDS（World Data System）科学委員会会合　概要報告

日時：２０１２年１１月１、２日

場所：台湾中央科学院（台北市）

2012年７月の委員改選後、初めての会合の内容について概要を報告する（改選後の委員名簿は別紙）。

１．WDS の運用・稼働にむけて

　　１）国際的なフォーラム、議論の場の提供

　　２）－１　WDS オープン・メタデータ・カタログ

　　２）－２　WDS スケーラブル・ナレッジ・ネットワーク

　　３）データのパブリケーション（出版）とキュレーション（情報収集・整理・管理）

　＊２）と３）について WG を設置する予定。

次回の WDS 国際会議：２０１４年９月（CODATA 国際会議と同時・同場所）予定。

テーマ案は「A Science-Driven Global Framework for Multidisciplinary Data Integration」。

２．WDS メンバー機関としての加盟認証について

　➢　ネットワークメンバーを重点的に募集する。

　➢　加盟認証：他の国際データ組織などと整合的に運用する。

　今後：例えば IPY の北極・南極データについて ICSU の傘の下で連携強化するなど。

３．ICSU-WDS のプロファイル（知名度、注目度）を向上させる

　➢　品質管理された科学データについての、グローバル・ハイレベルな分野横断的組織を目指す。

　➢　外部予算の獲得計画：ベルモントフォーラムなどへ応募したい。

　➢　他のパートナー組織とのリンクを強化したい：

　　CODATA、GEOSS、Future Earth、他のデータ関連活動、等。

４．その他

　➢　副委員長就任：フランソワ・ジェノバ(仏)、マイケル・ディーペンブレック（独）

　➢　第８回 WDS-SC 会合は 2013 年 4 月 17-19 日（CODATA 会合とあわせて実施）。

　➢　第９回 WDS-SC 会合は 2013 年 9 月、東京で行う予定。南極科学委員会・南極データ管理常設委員会の会合と日程をあわせ、また共催で公開集会「Polar Data Activities in Global Data System」を開催予定。

Summary Report of the 7th Meeting of the World Data System Scientific Committee

Academy of Sciences located in Taipei
1–2 November 2012

Goals of the Meeting:

The goals of this meeting were captured in following four points:

- (a) Define how to operationalize WDS
- (b) Engage Members into common activities
- (c) Formulate a new recruitment strategy
- (d) Raise the profile of ICSU-WDS

The WDS-IPO is to communicate its outcomes to WDS Members.

Operationalizing WDS and engaging WDS Members:

- WDS will provide
    - (1) An *International Coordination Forum* for data centres/service providers to document common practices and standards for data publication and interoperability.
    - (2.1) A *WDS Open Metadata Catalogue* that will become the unified WDS resource by aggregating WDS Members published metadata and ensuring the discovery of, and access to, their datasets.
    - (2.2) A searchable *WDS Scalable Knowledge Network* consisting of an enriched data and information catalogue. As the lead source of information on global capability with respect to scientific data centre/service providers, this can be used by scientific projects, funders, and other stakeholders.
    - (3) Community-based *Data Publication and Curation Services* by encouraging WDS members to adopt data publication and citation frameworks. This will be a practical implementation of the data publication concept at the level of WDS Members.

    WDS will set up Working Groups involving WDS Members and external experts to realize (2) and (3), and charters are to be written for these Working Groups. Moreover, the Data Publication Working Group should ideally merge with other initiatives already working in this area, such as the ICSTI/CODATA Task Group on data citation.

- The next WDS Conference is provisionally scheduled for September 2014 (co-located with the CODATA Conference) with the proposed theme **'A Science-Driven Global Framework for Multidisciplinary Data Integration'**. The WDS-IPO is to announce the exact date and location no later than May 2013 and will attempt to involve as many WDS Regular and Network members as possible. With no WDS event currently scheduled for next year, the IPO will also poll WDS Members to get suggestions for potential workshops in 2013.

- Bylaws for ICSU-WDS must be established and WDS Members engaged in defining them. These bylaws will be based on those already developed by WDS partner Networks, and need to address topics such as the participation of Members in WDS Fora/Groups and the mechanisms for interaction with the WDS-SC. They must be communicated to Members for agreement at least one year before the next WDS Conference.

- WDS Members (and external experts) will be asked to conduct reviews of candidate membership applications, as appropriate. To ensure privacy and fairness, these reviewers are to sign a letter drafted by the WDS-IPO agreeing to confidentiality and disclosure of any possible conflict of interest.

- The WDS-SC approved a proposed policy for WDS letters of support. The WDS-IPO is to finalize this into an official WDS document.

Membership strategy:

- WDS will promote network building by
    (i) Concentrating on recruitment of Network members.
    (ii) Continuing to provide a ***global accreditation framework and service*** for scientific data centres and data service providers, which can be used to align existing networks.
    (iii) Encouraging WDS Regular members in the same fields to collaborate.
    (iv) Working with communities where networks do not exist.
  For example, WDS will work with polar data management communities in both Arctic and Antarctic regions, strengthen and establish networks, and bring them under the ICSU umbrella. As part of this, the IPO will help to transition IPY datasets from the PIC cloud to a permanent WDS repository.

- An 'Organizing and Broadening Disciplinary and Geographic Base' Subcommittee was created with a charge to propose actions to increase recruitment of Network Members in targeted disciplines and geographic regions. The basis for organizing and expanding WDS membership is to be formed on the information and links provided by a scoping document on potential WDS Members in the health, social sciences and humanities, and engineering fields. The Subcommittee is to maintain and improve this list of potential members. In addition, the WDS-SC decided to
    ➤ Approach CLARIN-ERIC and DARIAH-EU about becoming Network members, as a first step in expanding WDS into social sciences and humanities.
    ➤ Initially focus on the specific disciplines of oceanography and geology to promote ICSU-WDS and recruit members in the Latin American and Caribbean region.

- The 'Membership and Accreditation' Subcommittee was renewed with a charge to provide guidance to the WDS-IPO in relation to membership management. In parallel with the above point, they are also to confirm that the Regular and Network membership application forms do not unintentionally exclude candidates from disciplines or geographic regions. To this end, when conducting reviews, SC members are to provide feedback and suggestions for improvements to the applications (e.g., clarity or quantitative guidance). The Subcommittee will subsequently appraise and revise the forms for inclusion on the new website, as well as propose a template for WDS Members' biennial reports.

- The WDS-SC Chair will confer with ICSU regarding the nomination for the 13th SC position of Claudia Emerson as a data expert in the health sciences.

Raising the profile of ICSU-WDS:

- A Strategic Plan will be developed by the WDS Executive Committee and WDS-IPO Executive Director. This plan is to position ICSU-WDS in the data management landscape as the **_premium global multidisciplinary network for quality-assessed scientific data_**; certifying accessibility and long-term preservation, promoting interoperability, and providing community-based services such as data publication through its Members.

- The WDS-IPO will start proactive fundraising activities to support the building of basic WDS virtual infrastructure, commencing with participation in the planned Belmont Forum call for proposal on e-Infrastructure and data management in 2013. Moreover, the WDS-SC will attempt to involve WDS Members in global scientific projects where funding opportunities exist and will promote the WDS with science funders. To facilitate the use of received grant funds, the WDS-SC will permit the IPO to establish a Nonprofit Organization in Japan, at the same time ensuring that our Japanese stakeholders are informed of this initiative.

- WDS will strengthen links with partners by
  - Working on a joint CODATA-WDS Science conference in 2014.
  - Contributing to GEOSS as a single entity by registering aggregated WDS Members' metadata through the developed catalogue.
  - Reporting to organizations with a similar ethos on ICSU-WDS position and scope, in addition to WDS willingness to collaborate and the seeking of formal contacts.
  - Renewing ICSU-WDS interest in working with Future Earth.

WDS administrative matters:

- Francoise Genova and Michael Diepenbroek were unanimously elected as WDS-SC Vice-chairs.

- The plans for the new WDS website were agreed and the WDS-IPO should proceed as intended.

- The WDS-IPO is to draft a 'Policy on Establishing WDS-WGs' document.

- Dormant Subcommittees are disbanded with immediate effect.

- The 8th WDS-SC Meeting to take place on 17–19 April 2013, arranged back-to-back with CODATA's meeting.

- The 9th WDS-SC Meeting will take place at the IPO in Tokyo in September 2013, back-to-back with that of SCAR's Standing Committee on Arctic Data Management. A joint international forum on 'Polar Data Activities in Global Data System' will be organized and held between these two meetings.

WDS科学委員会（SC: Scientific Committee）

【発足】2009年3月（2012年7月に改選）

【委員任期】3年

【会合】年2回（通常3-4月及び9-10月）＋電話会議（ほぼ毎月）

【メンバー】以下の15名

委員長　　：Minster, Jean-Bernard （フランス）
副委員長：Diepenbroek, Michael （ドイツ）、Genova, Francoise　（フランス）
委　　員　　Emerson, Claudia　（カナダ）　　　　　　　Finney, Kim（豪州）
　　　　　　　Hugo, Wim　　　　　（南アフリカ）　　　　Hunter, Jane（豪州）
　　　　　　　Kopylov, Vasily　　　（ロシア）　　　　　　Li, Guoqing（中国）
　　　　　　　Neilan, Ruth E　　　（米国）　　　　　　　Rickards, Lesley　　　（英国）
　　　　　　　Shibasaki, Ryosuke　（日本）＜柴崎亮介＞　Troisi, Ariel（アルゼンチン）
　　　　　　　Moore, Howard　　　（ICSU、Ex-officio）
　　　　　　　Murayama, Yasuhiro （日本、Ex-officio）＜村山泰啓＞

赤字：2012年7月に改選されたメンバー
青字：2012年11月に追加されたメンバー

【主な審議事項】

- WDS憲章
- データ交換・利用規定
- WDSの活動計画
- データ検索・利用システム等の構築
- WDS　Webページ
- CODATAなど他のデータ関連組織との連携
- WDS加盟機関・組織の募集、認定、活動評価
- 各種基金への申請
- WDS科学シンポジウム、WDS総会への対応
- 各種国際研究集会における発表やセッションの担当