

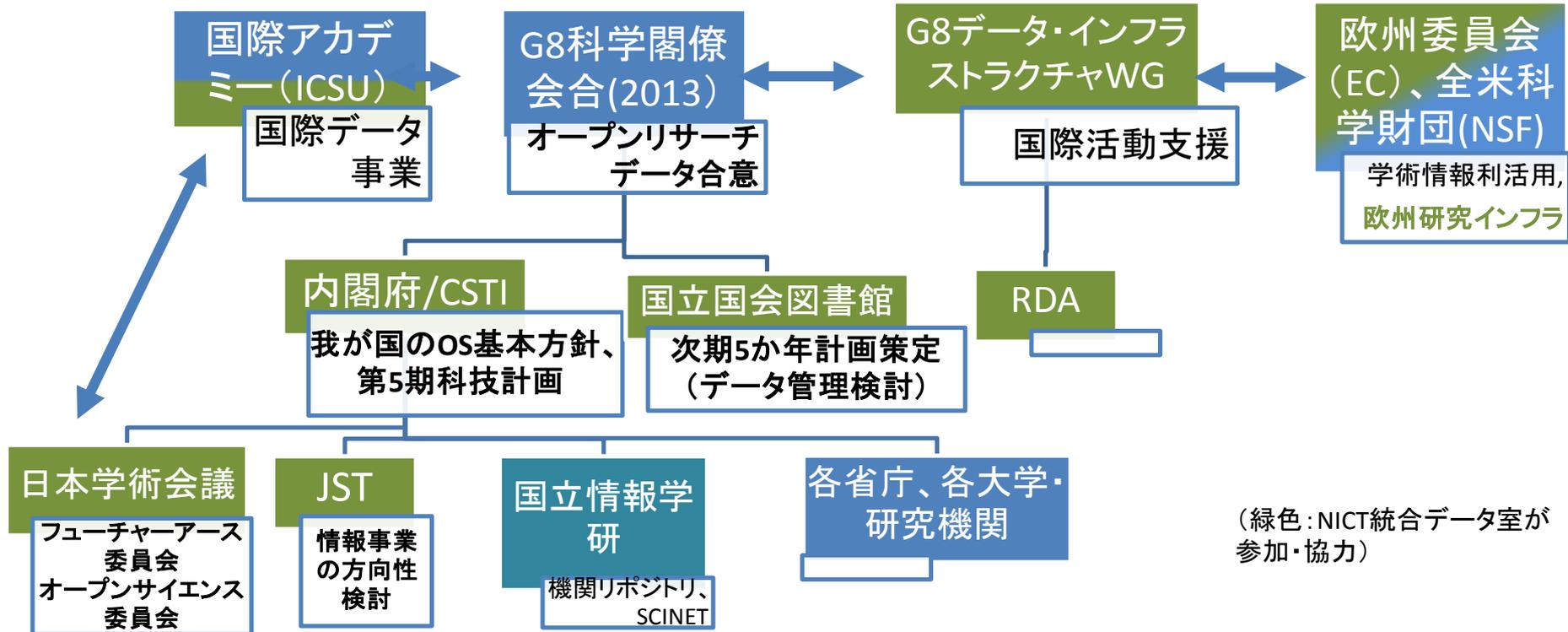
Research Data Alliance (RDA; 研究データ同盟)とは何か

村山泰啓
(情報通信研究機構)

- RDAとは何か
- RDAの活動内容
- RDAに参加するには
 - <http://www.rd-alliance.org/user/register>

オープンサイエンスに関する検討状況(H26年度～)

- 国際動向への対応、国内での研究データ基盤の検討



Research Data Allianceについて

- 研究データの共有を加速し、技術・基盤・プラクティス等を実現していくコンソーシアム。
 - 2013年3月発足。
 - 米、欧、豪が少額ながら資金を出しているとのこと。
 - G8・GSO (Group of Senior Officials) 下のデータWG議論が契機
 - 研究のオープン・データと、オープン・ガバメントは枠組みが異なるとの理解 (ECのWG担当者による)。
- IETF* の組織モデルを、研究データに適用。
 - *) Internet Engineering Task Force
 - 実質的な国際標準・国際相互結合体制の形成を目指す。
 - 研究者・技術者・専門家等によるボランティアベースでの合意形成
 - ICSU、WDS、CODATA、社会科学分野などとも協力。
 - 国際的な人材基盤・ノウハウ基盤を他組織と共有して推進。

欧州委員会ICT部門、
全米科学財団 (NSF)
サイバーインフラ部
門、が中心



ロバート・カーンも
参加 (TCP/IP 開発者、
インターネットの父)

国際テクニカルな+社会システム上の問題解決のための
一種のプラットフォームとして機能しはじめている

[恒松・村山、2014]を改変

RDAの組織構成、ガバナンス

(オレンジ色は村山加筆)



World Research Dataの共有、アクセス、利用を支える「基盤 (Infrastructure)」のために、世界的な活動が行われている



A Europe-Japan-United States GNSS data-sharing pilot project for the Geohazard Supersites and Natural Laboratories

Falk Amelung, University of Miami, USA (GEO task lead)
 Craig Dobson, NASA and Committee of Earth Observation Satellites (CEOS)
 Rui Fernandes, EPOS and EUREF <rmanuel@di.ubi.pt>

SCIENCE BUSINESS

Policy Analysis, Investment, Policy

Promote data sharing to advance global research say policy leaders

EU and US experts see big benefits from scientists sharing more data - but say global agreement on privacy, liability and other issues is needed

科学、人文学、美術 コミュニティ



図書館、公文書館、 リポジトリ、博物館、 美術館

インフラ、情報基盤、 データ解析、データセンタースタッフ

Australian National Data Service

Our Vision: More Australian researchers reusing research data more often

ANDS is enabling the transformation of:

Data that are:	to:	Structured Collections that are:
Unmanaged	→	Managed
Disconnected	→	Connected
Invisible	→	Findable

データ・サイエンティスト

National Data Sharing and Accessibility Policy-2012 (NDSAP-2012)

Department of Science & Technology
 Ministry of science & Technology
 Government of India

RDA/US Work Funded by NSF

[注：日本語は村山]

[Kathleen Fontaine, 2015から修正]

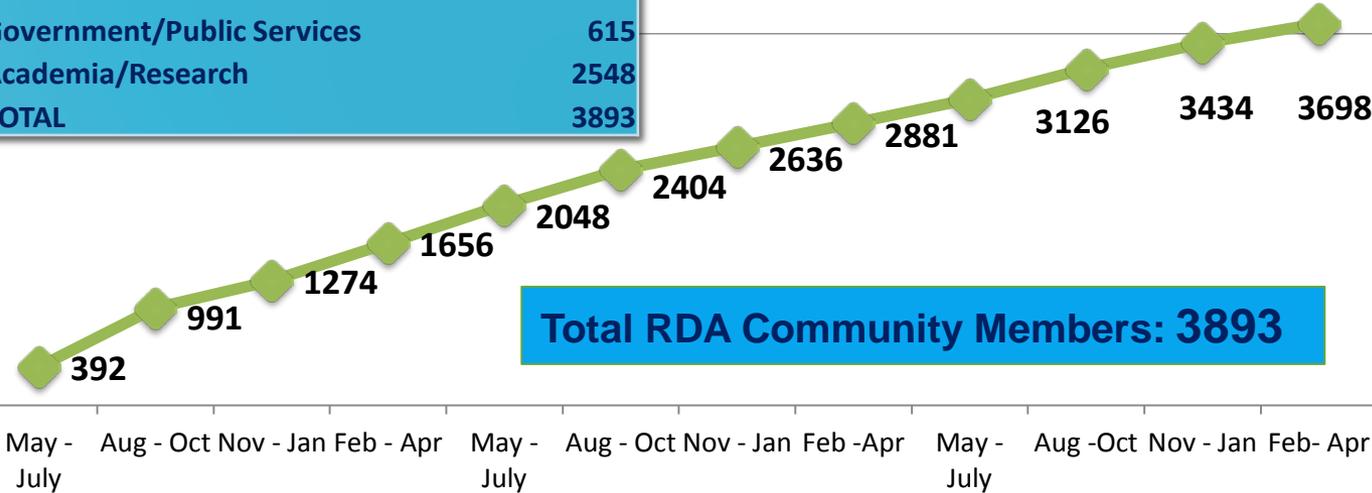
「基盤」を構成する多くの要素 (Building Blocks) が、 Accelerate 今後の発展のために必要



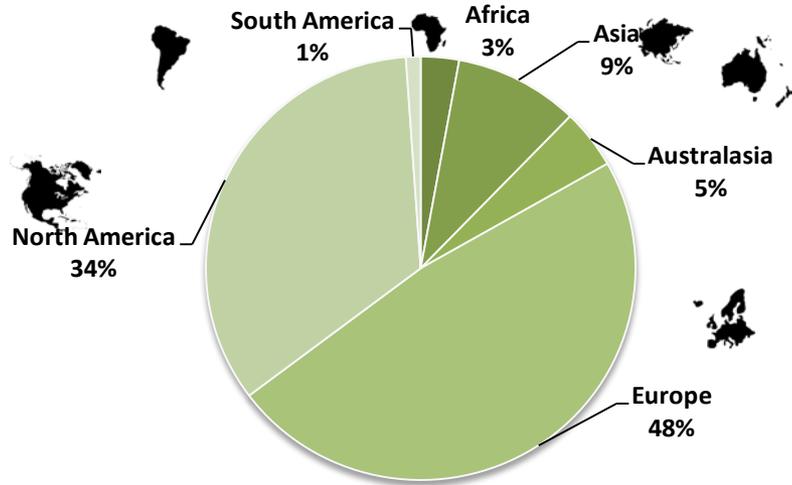
(2016年3月現在)

Type	Members (March 2016)
Press & Media	26
Policy/Funding Agency	59
Large Enterprise	90
IT Consultancy/Development	124
Small and Medium Enterprise	220
Other	211
Government/Public Services	615
Academia/Research	2548
TOTAL	3893

Who is RDA?



from 110 countries



IG:テーマ提案・検討など

WG:ミッション遂行(18か月)

(2016年3月現在?)



RDA Interest (IG) & Working Groups (WG) by Focus (1)

BoF (Bird o fFeather): IGを作るための検討

Domain Science - focused

Toxicogenomics Interoperability IG

Structural Biology IG

Biodiversity Data Integration IG

Agricultural Data Interoperability IG

Wheat Data Interoperability WG

Digital Practices in History and Ethnography IG

Geospatial IG

Marine Data Harmonization IG

Metabolomics Data Interoperability IG

RDA/CODATA Materials Data Infrastructure and Interoperability IG

Research Data Needs of the Photon and Neutron Science Community IG

Defining Urban Data Exchange for Science IG

The BioSharing Registry: Connecting data policies, standards and databases in the life sciences WG

Urban Quality of Life Indicators IG

Community Needs - focused

Community Capability Model IG

Engagement IG

RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World IG

Development of Cloud Computing Capacity and Education in Developing World Research IG

Data for Development IG

Education and Training on handling of research data IG

IG:テーマ提案・検討など

WG:ミッション遂行(18か月)

(2016年3月現在?)



RDA Interest (IG) & Working Groups (WG) by Focus (2)

BoF (Bird of Feather): IGを作るための検討

Reference and Sharing - focused

- **Data Citation WG**
- Standardization of Data Cat. and Codes WG
- RDA/CODATA Legal Interoperability IG

Data Stewardship and Services – focused

- Research Data Provenance IG
- Preservation e-infrastructure IG
- **RDA / WDS Publishing Data Services WG**
- **RDA / WDS Publishing Data Workflows WG**
- Long-tail of Research Data IG
- RDA/WDS Publishing Data IG
- **RDA/WDS Repository Audit and Certification DSA-**

Base Infrastructure - focused

- **Data Foundation and Terminology WG**
- **Metadata Standards Directory WG**
- **Practical Policy WG**
- **PID Information Types WG**
- **Data Type Registries WG**
- Data in Context IG

- Reproducibility IG
- **Data Description Registry Interoperability Working Group**
- **RDA / WDS Publishing Data Bibliometrics WG**

WDS Partnership WG

- Domain Repositories Interest Group
- Brokering Interest Group
- ELIXIR Bridging Force IG
- Libraries for Research Data IG*RDA / WDS Certification of Digital Repositories IG
- RDA / WDS Publishing Data Cost Recovery for Data Centres IG
- Big Data Analytics IG
- Brokering Governance WG
- Federated Identity Management IG
- Metadata IG
- PID Interest Group
- Service Management IG
- Data Fabric IG

<http://www.internationaldataweek.org/>

RDA Plenary 8
during International Data Week 2016
11-17 September 2016
Denver, USA

The screenshot shows the homepage of the International Data Week 2016 website. At the top, there is a navigation menu with links for REGISTER, EVENTS, VENUE & ACCOMMODATION, PROGRAMME COMMITTEE, FAQ, and CONTACT US. The main content area features a large background image of the Sheraton Denver Downtown hotel at dusk. Overlaid on this image is the text "INTERNATIONAL DATA WEEK" in large white letters, followed by "SEPTEMBER 11-17, 2016". Below this is a countdown timer with four boxes: "180 DAYS", "11 HOURS", "59 MINUTES", and "54 SECONDS". A red "REGISTER NOW" button is positioned below the timer. At the bottom left, there is a source attribution: "Source: WWW.SHERATONDENVERDOWNTOWN.COM".

INTERNATIONAL DATA WEEK 2016

REGISTER EVENTS VENUE & ACCOMMODATION PROGRAMME COMMITTEE FAQ CONTACT US

INTERNATIONAL DATA WEEK

SEPTEMBER 11-17, 2016

180 DAYS 11 HOURS 59 MINUTES 54 SECONDS

REGISTER NOW

Source: WWW.SHERATONDENVERDOWNTOWN.COM

...And then, RDA Plenary 9

Date: 5-7 April 2017

Place: Barcelona, Spain