



Neuroscience 2022 Satellite Symposium:
**Developing an International Data Governance Framework
to Accelerate Global Neuroscience Research**

IBI Data Standards and Sharing Working Group

Japan Brain/MINDS, Brain/MINDS Beyond
International Neuroinformatics Coordinating Facility (INCF)

November 14, 2022
Hilton San Diego Bayfront

Why Share Data?

- Government/Publisher requirements
- Reproducibility
- Science to the next level
- Your own lab in the future

Let us exchange challenges and opportunities!

Program

18:30 – 18:35	Jan Bjaalie: Introduction of IBI
18:35 – 18:40	Kenji Doya: Introduction of IBI Data Standards and Sharing Working Group
18:40 – 19:05	Karel Svoboda: Keynote
19:05 – 19:30	Flash Talks: Brain Initiatives around the World
	Tom Johnstone: Australian Brain Initiative
	JB Poline: Canadian Brain Research Strategy
	Lyuba Zehl: EU Human Brain Project
	Saori Tanaka: Japan Brain/MINDS Beyond
	Ja Wook Koo: Korea Brain Initiative
	Michael Hawrylycz: NIH BRAIN Initiative
	Franco Pestilli: NSF+NIH BRAIN Initiative
	Maryann Martone: GNORDIC

19:30 – 20:00	Updates from Task Forces
	Damian Eke, Franco Pestilli, Mathew Brown: Data Governance
	Sean Hill, Tom Johnstone: Data Catalog
	Sharon Crook, Tina Kokan: Training
20:00 – 20:30	Open Discussion
20:30	Maryann Martone: Closing

Aim of Data Standards and Sharing WG

Maximize data sharing across Brain Initiatives

Charge from the IBI Strategy Committee

- Gather data governance/management plans and goals of BIs
- Define common interests/needs, and domains of cooperation
- Recommend up to three potential projects within the next year
- Develop a theme or framework for a potential white paper

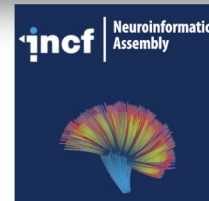
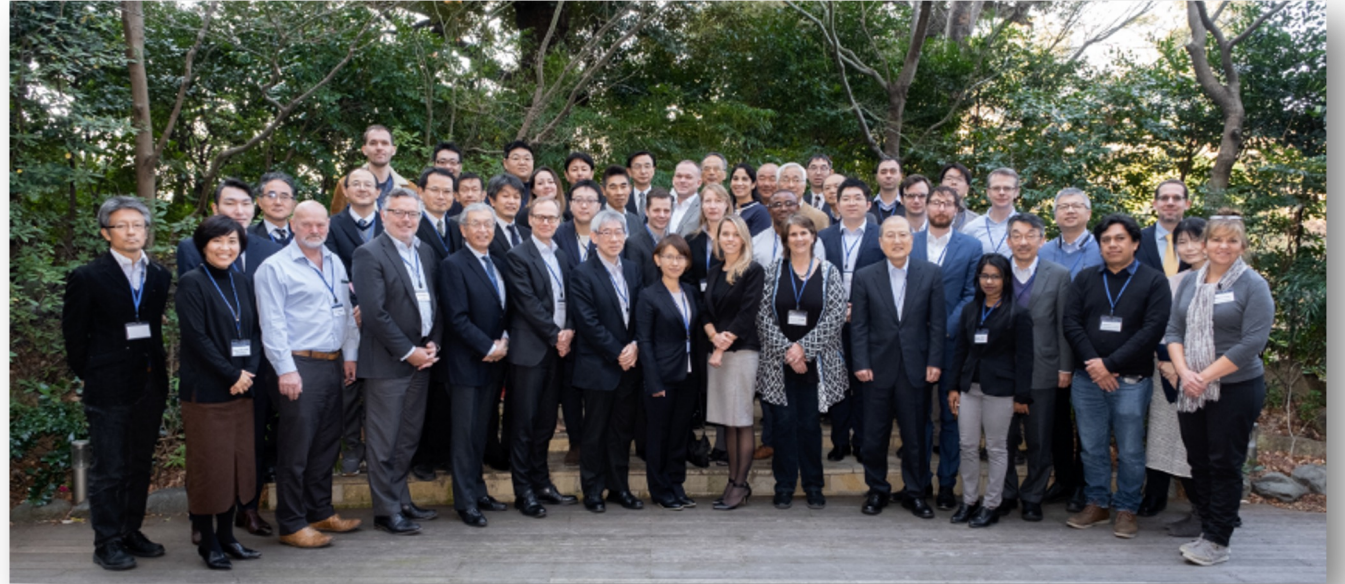
Mission statement:

The IBI Data Standards and Sharing Working Group aims to facilitate discovery, harmonization and use of data across IBI participants and other global research initiatives, international neuroscience-relevant societies, and neuroscience researchers through the following:

- implementing mechanisms for searching across datasets
- assuring data interoperability
- developing data federation strategies
- understanding data governance policies of different initiatives
- promoting clear data governance policies to facilitate international collaborations
- establishing training programs on data standards and best practices

Brief History of IBI Data S&S WG

- Jan 2020: Roundtable in Tokyo
- Feb 2020: First online WG meeting
 - Organized three task forces
 - white paper (data governance)
 - data catalog
 - training
- Monthly TF meetings
- Bi-monthly WG meetings
- Feb 2021: Project proposal package
- Apr 2021: Symposium at INCF Assembly
- Jul 2021: Training Workshop at CNS*2021
- Feb 2022: Position paper in Neuron



Review

International data governance for neuroscience

Neuron

Damian O. Eke,^{1,2} Amy Bernard,³ Jan G. Bjaalie,⁴ Ricardo Chavarriaga,⁵ Takashi Hanakawa,⁶ Anthony J. Hannan,⁷ Sean L. Hill,⁸ Maryann E. Martone,⁹ Agnes McMahon,³ Oliver Ruebel,¹⁰ Sharon Crook,¹¹ Edda Thiels,¹² and Franco Pestilli^{13,*}

Activities and Goals

TF/WG (leads)	Info Collection	Achievements	Further Goals
Data Governance TF (Damian Eke, Franco Pestilli)	Data governance policies, challenges, best practices and use cases from BIs	Position paper on the need of data governance policies in Neuron	Comprehensive white paper Endorsement of data policies
Data Catalog TF (Sean Hill, Tom Johnstone)	Metadata models and data platforms of BIs	Make BI data searchable in KnowledgeSpace	Integrated search engine for data from BIs and around the world
Training TF (Sharon Crook, Tina Kokan)	Training activities of BIs Existing resources	Register BI training activities in INCF Training Space	“Train the trainer” activities Hackathons to promote data use
Entire WG (Kenji Doya, Maryann Martone)	Scopes of each IB IB contacts for each TF	Compile project proposals Events at INCF, CNS, SfN	Implement project proposals with funders/partners