

CHORUS

CHORUSとFAIRデータ

JOSS / CHORUSフォーラム – 研究ワークフローにおけるFAIRデータ
(ファンディングから論文出版まで)

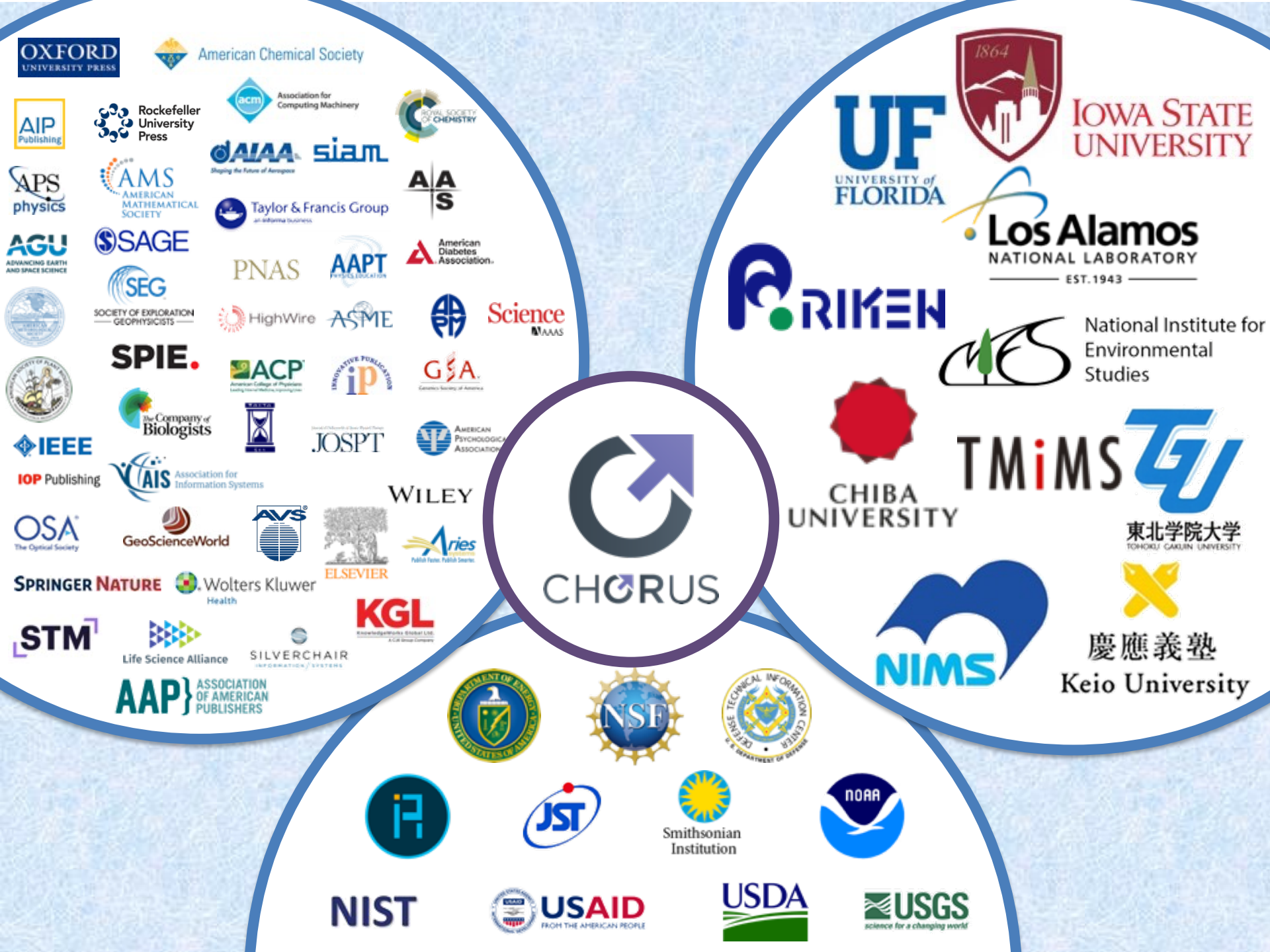
2021年6月17/18日

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AIAA siam
Shaping the Future of Aerospace

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HighWire ASME

GSA
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SPIE

ACP
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Building Science in Medicine, Improving Practice

IP
Innovative Publications

THE UNIVERSITY OF FLORIDA

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Life Science Alliance

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NIMS

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Keio University

DEPARTMENT OF ENERGY
UNITED STATES OF AMERICA

NSF

DEFENSE TECHNICAL INFORMATION CENTER
U.S. DEPARTMENT OF DEFENSE

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JST

Smithsonian
Institution

NOAA

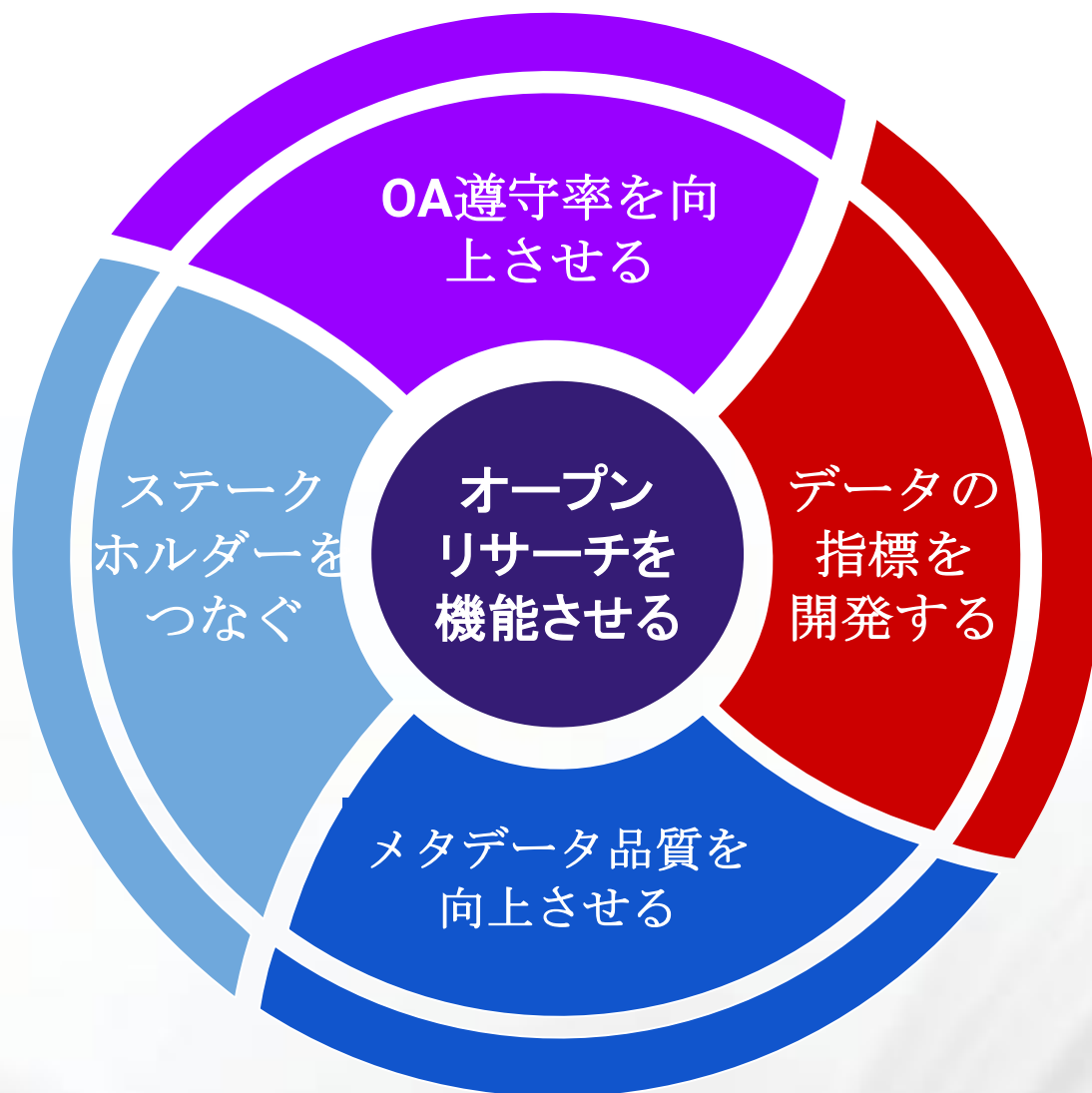
NIST

USAID
FROM THE AMERICAN PEOPLE

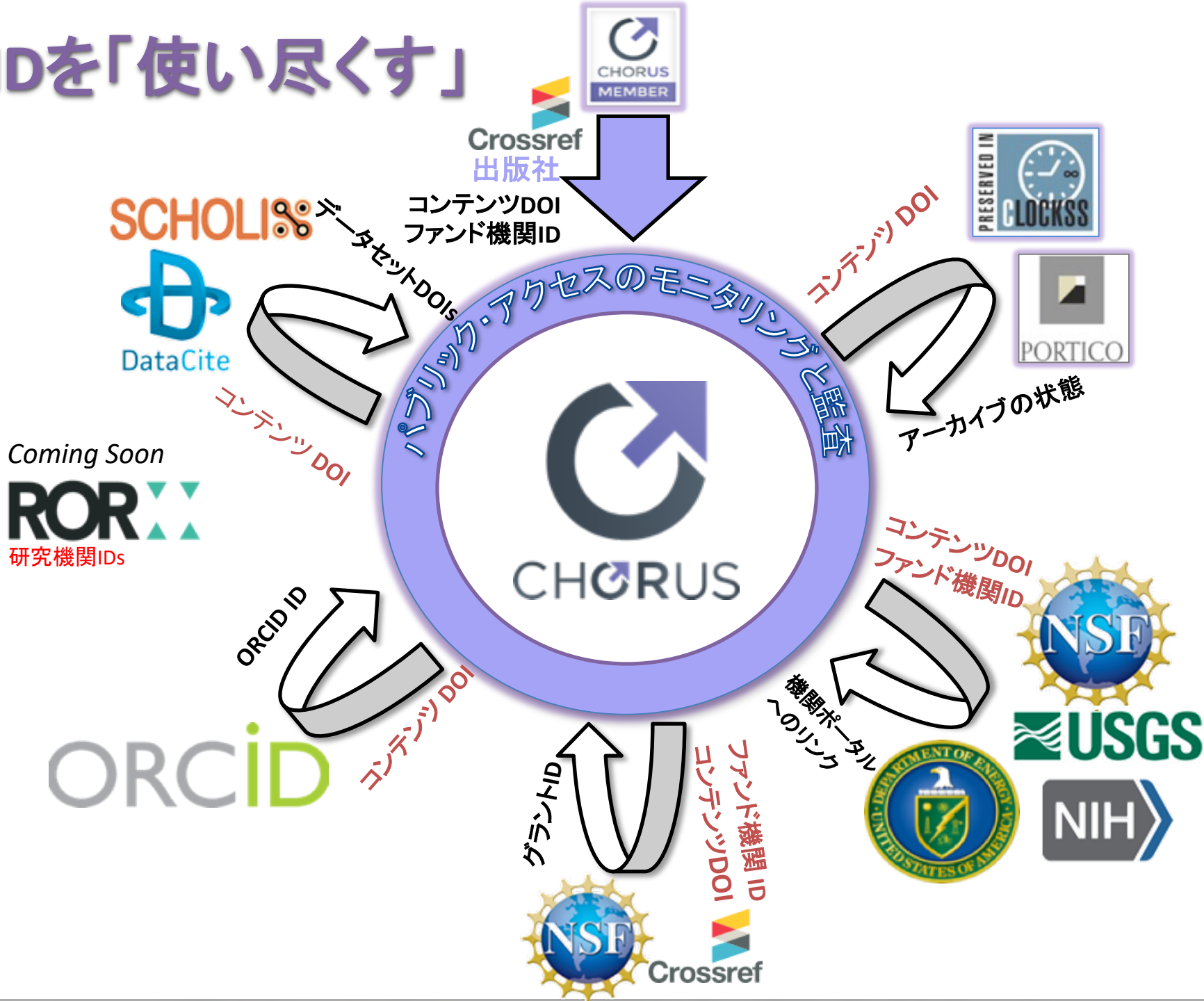
USDA

USGS
science for a changing world

CHORUS 2021の目標



IDを「使い尽くす」



出版状況とコンプライアンス状況のデータを提供

オープンリサーチに関する情報のモニタリングと追跡のためのAPI、メタデータ連携およびダッシュボード



ファンド機関レポート

研究機関レポート

出版社レポート

データセットレポート

The screenshot shows the SEDAC website interface. The top navigation bar includes links for 'HOME', 'DATA', 'MAPS', 'TOOLBOX', 'RESEARCH', 'SOCIAL MEDIA', 'ABOUT', and 'HELP'. The main heading is 'Population Dynamics'. Below this, the title 'Global Population Count Grid Time Series Estimates, v1 (1970 - 2000)' is displayed. The left sidebar contains a 'Data Set' section with a 'Data Set' link, a 'Data Set' link, and a 'Data Set' link. A red arrow points to the 'Data Set' link.

The screenshot shows the Magnetis Information Consortium (MAGIC) website. The header includes the logo and navigation links: Home, About, Services, and Contact. The main content area is divided into a sidebar on the left and a central results section. The sidebar contains filters for Publication Year, Author, Institution, Keywords, and Age. The central section displays a list of publications, with details such as title, author, and year. A table at the bottom provides a summary of results by year.

University of Florida

Record level information about Publisher Member content.
Click on DOIs to be taken to articles on publisher site.

Indicator History Details

3/26/2021

VERIFIED OPEN ACCESS ON PUBLISHER SITE - YES

Search:

Updated	Grant ID	Archived	Release Date(s)
	NIH-US4GMH11274 NIH-NIGMS A1002939-05	Yes	http://dx.doi.org/10.7554/h4cc08rv
	NSF-DMR111840 NSF-OCE1058058 NSF-1141940 NSF-1058909	Yes	http://dx.doi.org/10.7288/v4/mago/14748 http://dx.doi.org/10.7288/v4/mago/12142 http://dx.doi.org/10.7288/v4/mago/14749 http://dx.doi.org/10.7288/v4/mago/14751
	NSF (EAF000998 and EAF000939)	Yes	http://dx.doi.org/10.7288/v4/mago/14346 http://dx.doi.org/10.7288/v4/mago/14347 http://dx.doi.org/10.7288/v4/mago/14348

Previous

1 2 3 4 5 ... 901 Next

データセット(研究データ)レポート機能を強化

NEW

Article DOI	Journal Title	Agency	Dataset Creators	Dataset DOI	Dataset Type	Dataset Repository Name	Dataset Title	Date Collected at Repository	Funder Name	Award #	Award Title	Rights
10.1073/pnas.1604386113	Proceedings of the National Academy of Sciences	National Oceanic and Atmospheric Administration, National Science Foundation	Ganguli, Poulomi; Paprotny, Dominik; Hasan, Mehedi; Güntner, Andreas; Merz, Bruno	10.5880/gfz.4.4.2019.003		GFZ Data Services	Compound flood drivers for northwestern Europe in high-resolution EURO-CORDEX Simulations	2019	Alexander von Humboldt Foundation, Germany	D05417008	Humboldt Research Fellowship for early career researchers	CC BY 4.0
10.1186/s12862-019-1465-5	BMC Evolutionary Biology	Directorate for Biological Sciences, National Oceanic and Atmospheric Administration	Schott, Eric; Lella, Santiago; Tsvetan Bachvaroff; L. Amzel; Vasta, Gerardo	10.6084/m9.figshare.c.4583777.v1	Collection	Figshare	Lacking catalase, a protistan parasite draws on its photosynthetic ancestry to complete an antioxidant repertoire with ascorbate peroxidase	2019				CC BY 4.0
10.1242/jeb.189233	The Journal of Experimental Biology	Hampden-Sydney College; Harris Award; National Oceanic and Atmospheric Administration; North Slope Borough, Alaska,	Werth, Alexander J.; Rita, Diego; Rosario, Michael V.; Moore, Michael J.; Sformo, Todd L.	10.5061/dryad.73rm81p	dataset	Dryad		2018	National Science Foundation	1656691		CC0 1.0 Universal (CC0 1.0) Public Domain Dedication

ステークホルダーのための会議開催

CHORUS Forum:
Making the Future
of Open Research
Work

JOSS / CHORUS
Forum: FAIR Data
from Funding to
Publication

共通の
課題を
見いだす

ソリューション
創出を
支援する

JST: Working
together to
monitor open
science in Japan

CHORUS Forum:
New Connections
- Research Data to
Content

CHORUS Forum:
Open Access Policies
and Compliance in
a Global Context

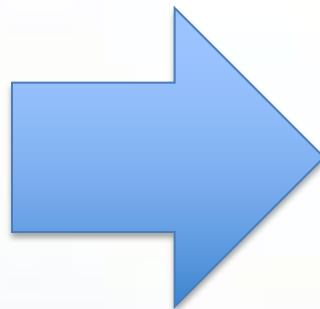
STM/COS/CHORUS:
Towards a US Research
Data Framework

メタデータ品質向上の支援



ギャップ分析

- ORCID IDs
- 再利用許諾のメタデータ
- 出版日付



ギャップ分析 (計画中)

- ORCID IDs?
- キュレーター情報?
- 研究機関情報?
- ファンド機関情報?

(論文根拠データの入手可能性について出版社が著者に課す
ルール(ポリシー)を検索するサービス)



PUBLISHER DATA AVAILABILITY POLICIES INDEX

Over the last few years, publishers have been making their Data Availability Policies known either at the publisher level or at the journal level. These policies range in their mandate, but most require authors to make all data necessary to replicate their study's findings publicly available without restriction at the time of publication. When specific legal or ethical restrictions prohibit public sharing of a data set, authors must indicate how others may obtain access to the data. Often, when submitting a manuscript to the publisher, authors must provide a Data Availability Statement describing compliance with the data availability policy. If the article is accepted for publication, the Data Availability Statement will be published as part of the article.

CIOREUS has created a centralized index of our member publishers' policies with links to the publisher's site. This chart will be updated at least annually.

Please let us know about any updates or requested enhancements by contacting us at info@cioreusaccess.org.

CIOREUS Publisher Member	Data Availability Policy URL	Policy Type
AASScience	https://www.aasscience.org/authors/science-journals-editorial-policies/	Publisher
American Association of Physicians in Medicine	https://www.aapm.org/publications/authors/submitting-a-manuscript/	Publisher
American Association of Physics Teachers	TBD	
American Astronomical Society	https://www.aas.net/authors/	Publisher
Association for Computing Machinery	https://www.acm.org/pubs/authors-and-reviewers	Publisher
American College of Physicians	https://acponline.org/authors/authors	Publisher
American Chemical Society	https://pubs.acs.org/authors/instructions-authors https://pubs.acs.org/authors/authors-publishing-format-author-data-resources	Publisher
American Diabetes Association	https://professional.diabetes.org/journal/division-diabetes.org/authors/2018_data_resource_sharing_policy.pdf	Publisher
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American Institute of Mathematics and Mathematical Sciences	https://www.aims.org/mathematics/authors/Publishing-Policies	Publisher
AP Publishing	https://publishers.apa.org/resources/authors/authors-submitting-a-manuscript-data-policy	Publisher
American Meteorological Society	https://www.ametsoc.org/for-authors/author-guidelines/manuscript-preparation-and-publication/author-guidelines-and-checklist	Publisher
American Mathematical Society	TBD	
American Psychological Association	https://www.apa.org/pubs/authors/submissions	Publisher
American Physical Society	TBD	
American Society of Mechanical Engineers	https://www.asme.org/publications-submissions/technical-information-for-authors/data-policy	Publisher



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<https://www.chorusaccess.org/resources/chorus-for-publishers/publisher-data-availability-policies-index/>

地球科学・宇宙科学・環境科学における オープンでFAIRなデータ実践の加速： 研究データへのパブリックアクセスを支援す るためのNSFとの先導プロジェクト



グラント 2025364

地球科学・宇宙科学・環境科学全体においてFAIRデータの実践を実装することを目的とした2年間のプロジェクト。終了までに下記の目標達成を目指す：

- ポイント：AGU誌における，NSFの助成による研究に関するデータへの引用は，NSFパブリックアクセスリポジトリ(PAR 2.0)で捕捉。
- データ引用に関する主要な実践例やワークフローに関する知識が，AGUコミュニティ全体に広く共有される。
- NSFの地球科学分野のデータがアクセス可能になり，出版物やグラント情報にリンクされ，功績が適切に認知(クレジット)されるようにする。
- 現在のデータセットレポートの内容：
 - リンク先論文
 - データセット名・種別
 - リポジトリ・キュレーター名，
 - 研究分野分類
 - 再利用許諾情報
- AGUやその他の人々によるNSFパブリックアクセスリポジトリ(NSF PAR)にデータ引用登載の促進を支援。
- データ引用の実践好事例を開発，さらなるオープン化を推進。

参加者：

AGU | NSF | CHORUS | Dryad | Earth Science Information Partners (ESIP) | Wiley
プロジェクトから得られた知見と実践事例は全てオープンに共有

<https://fromtheprow.agu.org/nsf-grant-takes-agus-data-and-publishing-practices-to-the-next-level/>

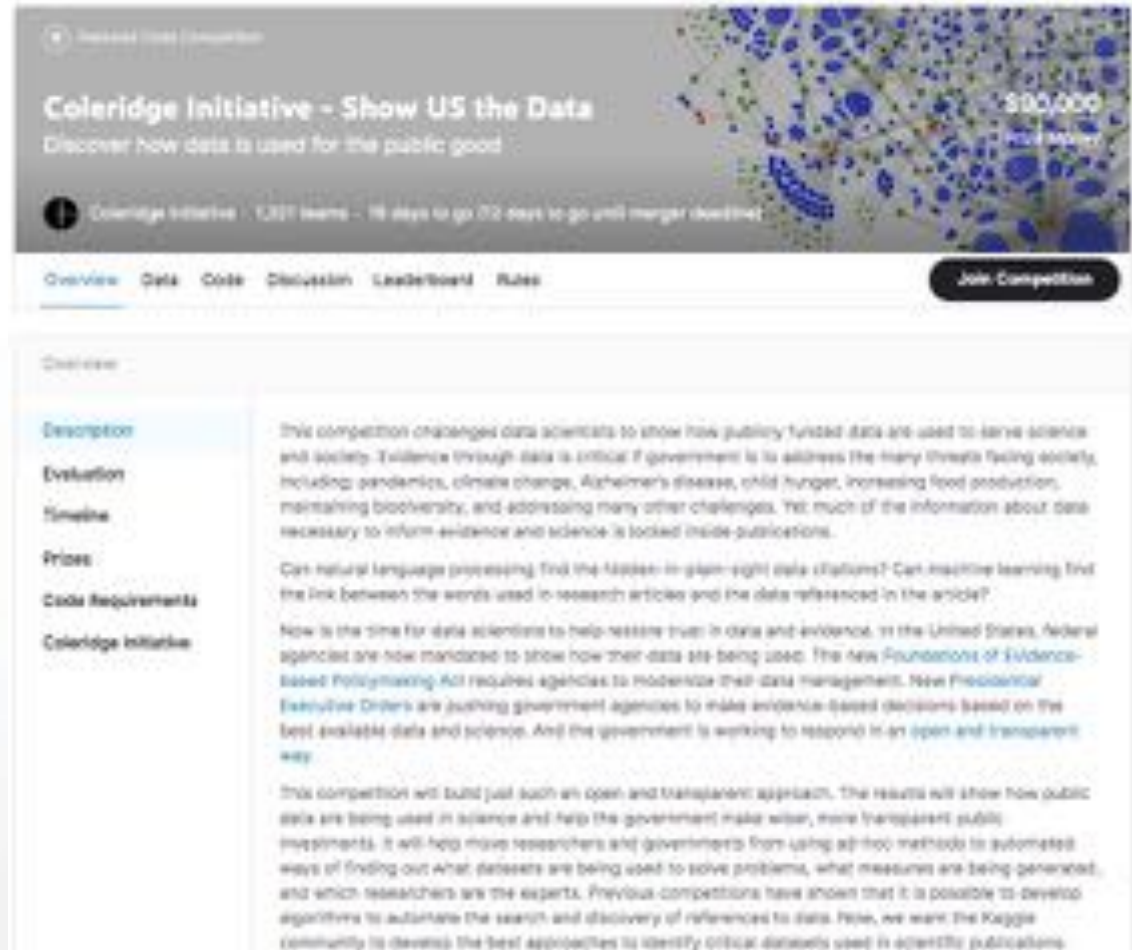
COLERIDGE INITIATIVE

「Rich Context」プロジェクト (データセットの利用シーンを探る)

機械学習と自然言語処理技術を使った論文検索・分析により、

- どのようなデータセットが論文に含まれているか
- それらはどのように使われているか
- 他にどんな専門家がデータセットを使用しているか
- 他にどんな関連データセットがあるか
- ファンド対象のデータセットがどのようなインパクトにつながったか

を調査分析し明らかにする。



<https://www.kaggle.com/c/coleridgeinitiative-show-us-the-data/>



どうすればできるだろう？

プロジェクトのゴール



どうすれば政府機関のデータが「どのように」「どんな理由で」「誰によって」利用されているか示せるだろう？

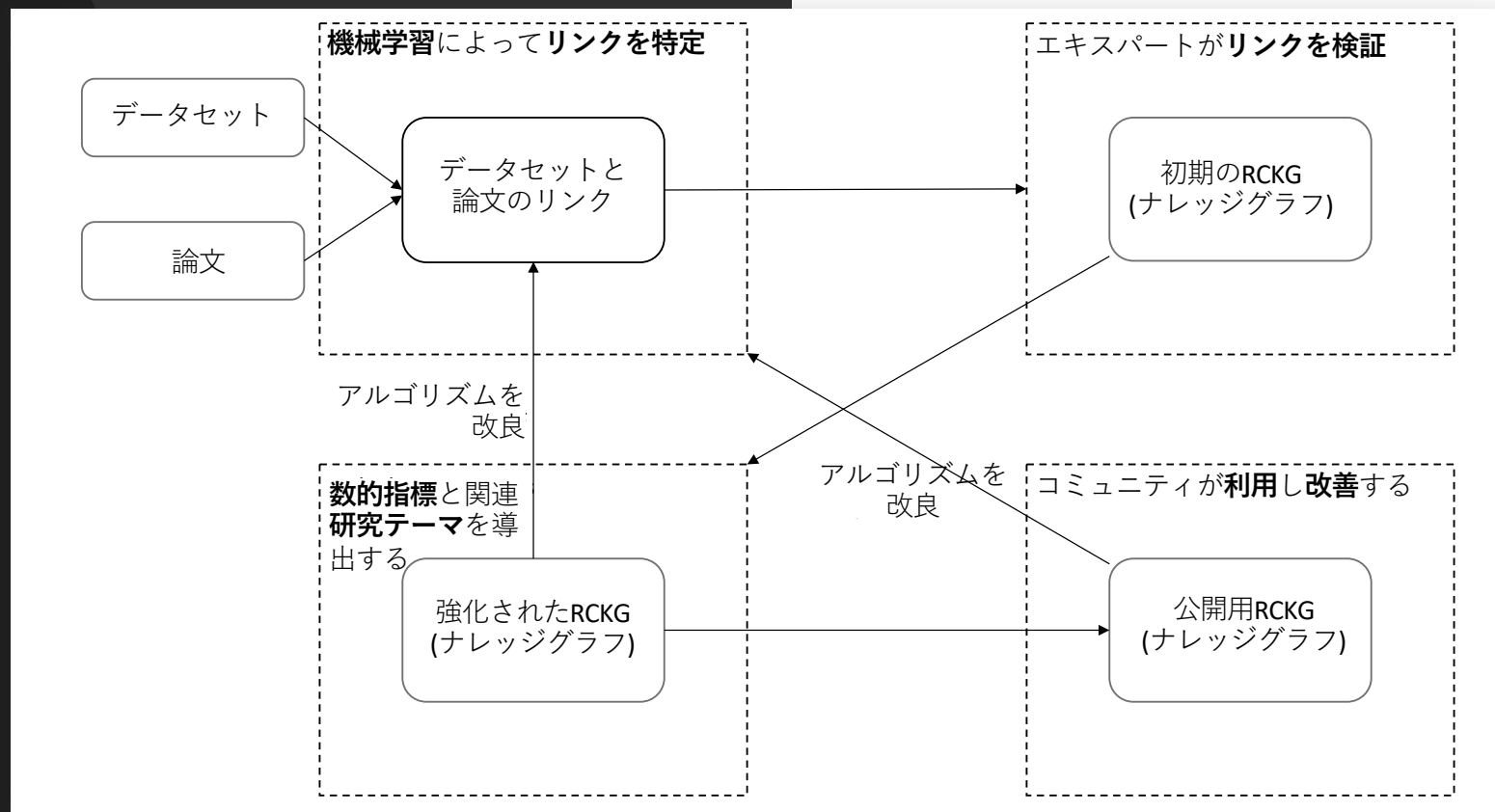
目的 + 質問

戦略的資産としてのデータの価値を、
一般市民や政策立案者に示す

利用者、データ源、データの適用に関する
情報源としての役割を果たす「データ
指標票」を設計する

Credit: Julia Lane, Coleridge Initiative

AIやコミュニティを通じてモデルを改良



アプローチ: 新しいテクノロジーの導入?

Product Market Competition and Human Resource Practices in the Retail Food Sector

ELIZABETH DAVIS, MATTHEW FREEDMAN,
JULIA LANE, BRIAN MCCALL, NICOLE NESTORIAK,
and TIMOTHY PARK*

In the wake of Wal-Mart and other mass merchandisers' entry into food retailing, the nature of competition in the industry has changed radically. Using longitudinal data on workers and firms to construct measures of compensation and churning for traditional food retailers, this paper examines how these measures change in response to mass merchandiser entry. While there is considerable heterogeneity across retail food establishments, human resource practices are persistent even in the face of new external competition.

Introduction

Whereas Wal-Mart employees start at the same salary as unionized employees in similar lines of work, they make 25 percent less than their unionized counterparts

Data and Measurement

Constructing a data set that permits the analysis of the effects of changes in the product market on firm specific compensation policies requires information on firms, their workers, and the product markets in which they

* This is different from the approach used by Neumark et al. (2005) since the research question is broader than examining the impact of the entry of one particular firm.

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operate. We rely on a new linked employer-employee database that also provides information on the location and industry of firms: the Longitudinal Employer-Household Dynamics (LEHD) Program at the U.S. Census Bureau (described in detail by Abowd et al. (2005) and Haltiwanger, Lane, and Spilner (2006)). Briefly, the LEHD data consist of quarterly records of the employment and earnings of all workers who are covered by U.S. state unemployment insurance (UI) systems in the 1990s and early 2000s.⁷ About 96 percent of private wage and salary employment is covered by these

Credit: Julia Lane, Coleridge Initiative

こうした検索によって何が生成されるか?

- データセット名 (およびエイリアス)
- 研究テーマ
- 著者(および関連付けされたメタデータ)
- 関連するデータセット
- 論文名(および関連付けされたメタデータ)

Credit: Julia Lane, Coleridge Initiative

USDA(米国農務省)農業資源管理調査データの 利用状況指標

Used by 232 Publications based on verified attributions for v.2, updated 01-02-2021

 **17**
Topics

 **539**
Authors

 **86**
Journals

 **3**
With Other Datasets

TOPICS	17	AUTHORS	539	JOURNALS	86	WITH OTHER DATASETS	3
Agricultural Research...	73	Ashok K. Mishra	13	ISRN Electronic Jour...	48	Census of Agricultur...	41
Farm Household Well-...	54	William D. McBride	13	Journal of Agricultu...	27	Rural-Urban Continu...	4
Organic Agriculture	34	Nigel D. Key	12	Agricultural and Res...	22	Survey of Industrial...	2
Poverty & Income Vol...	14	Nisam S. El-Osta	11	Agricultural Finance...	8		
Climate Change	9	James K. MacDonald	8	Sustainability	8		
Food Service Industr...	8	And I. Katchova	8	American Journal of ...	5		

概念実証(POC)

Credit: Julia Lane, Coleridge Initiative



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