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Monitoring, Evaluation & Learning: Knowledge Sharing

Jacqueline Muliro, WorldFish HQ

August 2019

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CGIAR and WorldFish Policies



Research Data and Open Access Policy

Document Summary & Version Control

Document Summary	
Policy Title:	Research Data Management and Open Access Policy
Policy Owner:	Research Knowledge and Data Manager
Policy Sponsor:	Director, Aquaculture and Fisheries Sciences
Responsible Office:	Research Data Management
Effective date:	April, 2018
Last updated:	
To be reviewed:	

CGIAR Open Access and Data Management Policy (the "Policy")
2 October 2013

1. Preamble

CGIAR regards the results of its research and development activities as international public goods and is committed to their widespread dissemination and use to achieve the maximum impact to advantage the poor, especially smallholder farmers in developing countries. CGIAR considers Open Access (defined below) to be an important practical application of this commitment as it enhances the visibility, accessibility and impact of its research and development activities. Open Access improves the speed, efficiency and efficacy of research; it enables interdisciplinary research; assists novel computation of the research literature; and allows the global public to benefit from CGIAR research. Furthermore, CGIAR recognizes the benefits that accrue to individual researchers and to the research enterprise from wide dissemination, including greater recognition, more thorough review, consideration and critique, and a general increase in scientific, scholarly and critical knowledge. CGIAR further recognizes that, in implementing this Policy, it can more easily and collectively build the infrastructure necessary to be at the forefront of the open access and open data for agriculture movement.



Just to be clear



Primary data – data that was directly produced by an experimental or observational procedure.

Information Products: When data is processed we get information.



Information Products

- peer-reviewed journal articles
- reports and other papers
- books and book chapters
- data and databases
- data collection and analysis tools (e.g. models and survey tools);
- video, audio and images;
- computer software and web services (e.g. data portals, modelling on-line platforms);



OPEN ACCESS

Open Access: The immediate, irrevocable, unrestricted and free online access by any user worldwide to information products, and unrestricted re-use of content (which could be restricted to non-commercial use and/or granted subject to appropriate licences in line with the CGIAR IA Principles), subject to proper attribution.



WHY?





Gates Foundation announces world's strongest policy on open access research

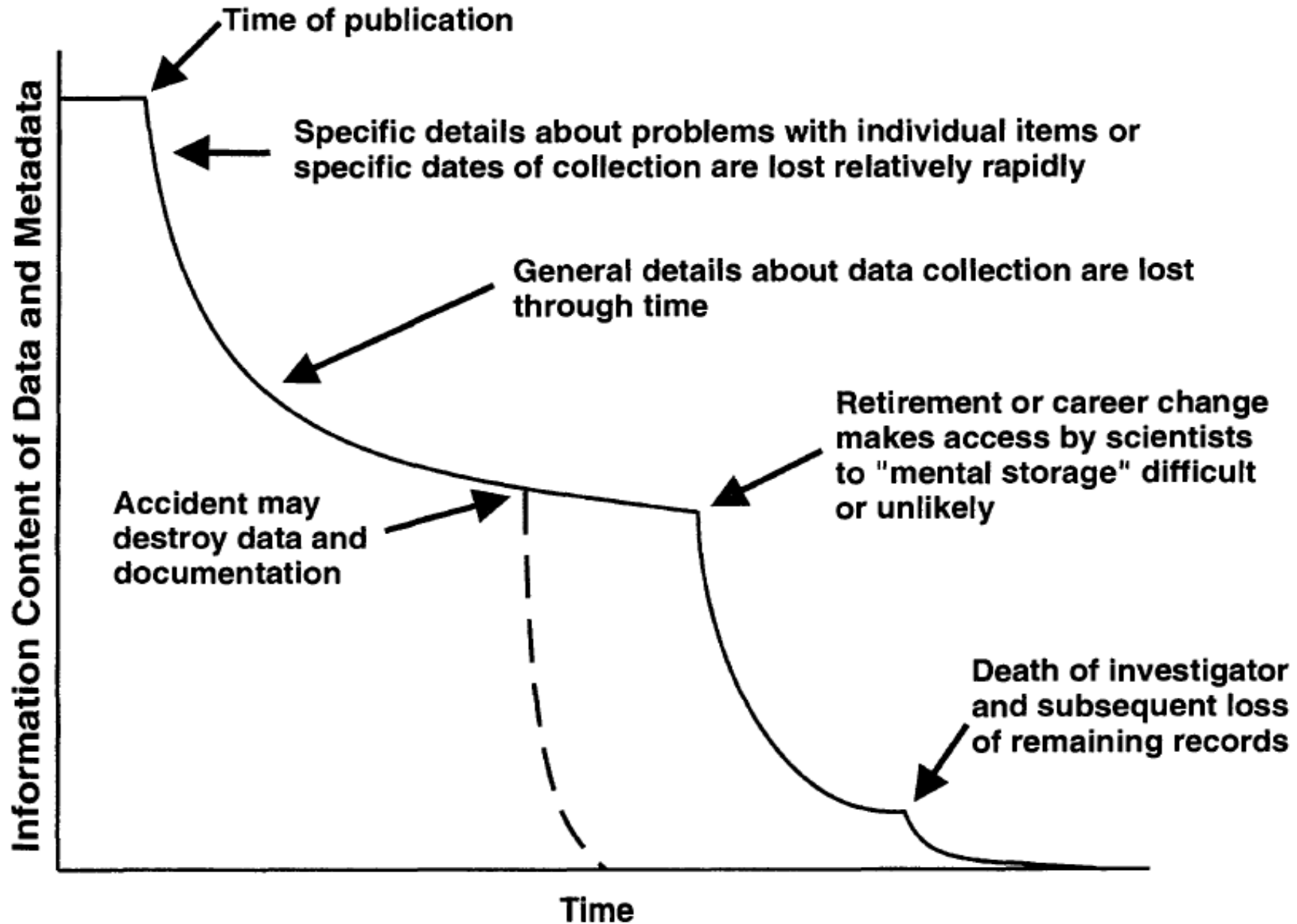
21 Nov 2014 | 18:39 BST | Posted by [Richard Van Noorden](#) | Category: [Policy](#)

— How We Work —

BILL & MELINDA GATES FOUNDATION OPEN ACCESS POLICY

- 1. Publications Are Discoverable and Accessible Online.** Publications will be deposited in a specified repository(s) with proper tagging of metadata.
- 2. Publication Will Be On “Open Access” Terms.** All publications shall be published under the [Creative Commons Attribution 4.0 Generic License](#) (CC BY 4.0) or an equivalent license. This will permit all users of the publication to copy and redistribute the material in any medium or format and transform and build upon the material, including for any purpose (including commercial) without further permission or fees being required.
- 3. Foundation Will Pay Necessary Fees.** The foundation would pay reasonable fees required by a publisher to effect publication on these terms.
- 4. Publications Will Be Accessible and Open Immediately.** All publications shall be available immediately upon their publication, without any embargo period. An embargo period is the period during which the publisher will require a subscription or the payment of a fee to gain access to the publication. We are, however, providing a transition period of up to two years from the effective date of the policy (or until January 1, 2017). During the transition period, the foundation will allow publications in journals that provide up to a 12-month embargo period.
- 5. Data Underlying Published Research Results Will Be Accessible and Open Immediately.** The foundation will require that data underlying the published research results be immediately accessible and open. This too is subject to the transition period and a 12-month embargo may be applied.





Exceptions to Openness



Privacy – Information that identifies an individual



Confidentiality – Information that should not be shared



Security – Release of data will cause threats to someone or something



OA-DM Policy Sharing Timelines

Types of Information Products	Policy Deposit Schedule (from October 2, 2018)
Peer-reviewed versions of journal articles	Latest: 6 months from publication
Self-published journals, books, reports etc.	Self-published materials not currently addressed in the Policy
Reports and other papers	Latest: within 3 months of completion
Externally or commercially published books and book chapters	Latest: within 6 months of completion
Data and data sets	Latest: within 12 months of appropriate project milestone within 6 months of publication of products underpinned by that data
Video, audio, scientific images, Photographs	Latest: within 3 months of completion
Computer software/applications/code	Upon completion of software development
Metadata	Latest: before or on publication of the information product
Core/corporate governance documents appropriate for public consumption	As per 'reports' category of Information Product (Core/corporate governance documents not currently addressed separately in the Policy)



MEL Platform

- All information products are to be reported via MEL
- Shows evidence of an output
- The information products will be deposited to the institutions publication repository DSpace
- Has the harvesting option




WorldFish Institutional Publishing

Recommended repositories for information products


Type	Repository
Data	Dataverse
	Open Science Framework
Journal articles	DSpace
Images	Flickr
Videos	YouTube
Presentations	DSpace; SlideShare
Corporate documents	DSpace (External)
	OCS (Internal)
	FishNet (Internal)



Data repo-
Dataverse


 HARVARD
Dataverse


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Blue Economy Challenge Project



Fish Trade Project


Aquaculture Technical, Vocational,
and Entrepreneurship Training for
Improved Private Sector and
Smallholder Skills Project
Dataverse

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 **Dataverses (3)**



 **Datasets (50)**

 **Files (151)**

Dataverse Category
Research Project (3)

Publication Year
2018 (27)
2019 (21)

1 to 10 of 53 Results [Sort ▾](#)

 Fish farmers' perceptions, impacts and adaptation on/of/to climate change in Africa (The case of Egypt and Nigeria) 
Jul 31, 2019

Adeleke, M. Lydia; Al-Kenawy, Diaa Abdel Raheem; Nasr-Allah, Ahmed; Murphy, Seamus; El-Naggar, Gamal Othman; Dickson, Malcolm William, 2019, "Fish farmers' perceptions, impacts and adaptation on/of/to climate change in Africa (The case of Egypt and Nigeria)", <https://doi.org/10.7910/DVN/W0K9BF>, Harvard Dataverse, V2


Perception is the bed rock to really apprehend the assertiveness and interpretations of the farmers which are the grass root receptors or benefactors of the effects of climate change. Individual perception and knowledge on climate change varies according to geographical location,

[Feedback](#)






<https://dataverse.harvard.edu/dataverse/wr>



Citation Metadata

Dataset Persistent ID	doi:10.7910/DVN/COVGMO
Publication Date	2019-06-27
Title	Primary Data for the published paper entitled "Influence of seasons, habitat sanctuaries, gears and environmental variables on the catches of hilsa shad (<i>Tenualosa ilisha</i>) in Bangladesh waters"
Author	Mohammad Jalilur Rahman (WorldFish) - ORCID: 0000-0003-4090-7339 S. M. Nurul Amin (Universiti Putra Malaysia) Md. Nahiduzzaman (WorldFish) - ORCID: 0000-0002-5152-992X Md. Abdul Wahab (WorldFish) Nicholas Romano (University of Arkansas)
Contact	Use email button above to contact. Mohammad Jalilur Rahman (WorldFish)
Description	<p>Aim: Variations in catch per unit effort (CPUE) of hilsa (<i>Tenualosa ilisha</i>) at different habitats (sanctuaries) of Bangladesh waters were observed to understand whether CPUE variations were due to differences in habitat complexity, environmental factors or both. Methodology: CPUE of hilsa data were collected from five different habitats in Bangladesh waters between July 2015 and June 2016. Various physico-chemical parameters were measured monthly and then examined for any relationship to CPUE. Results: The overall mean CPUE of hilsa from the investigated areas was estimated to be 7.93 ± 6.03 kg gillnet day. The monthly average values of CPUE was the highest in January 2016 amounting 11.63 ± 1.21 kg gillnet day and the lowest in March 2016 amounting 3.63 ± 0.83 kg gillnet day with significant differences among the months ($p < 0.05$). Gillnet mesh sizes influenced the capture of hilsa with the highest (9.18 kg gillnet day) and lowest (6.05 kg gillnet day) catch obtained from the smallest (3.0 cm) and largest (11.0 cm) mesh size, respectively. There was a lower degree of positive and negative correlation ($p > 0.05$) with environmental variables and CPUE. Multiple regression analysis tests also indicated a weak overall correlation (62%) between environmental variables and CPUE of hilsa. Interpretation: Results likely indicate that habitat structure was more important in determining CPUE of hilsa (highest in Padma sanctuary) compared to environmental factors at the tested sites. This study emphasizes the need to conserve habitats that are often used as important fishing grounds for hilsa to ensure their adequate recruitment and ultimately sustainable management of this fishery</p>
Subject	Medicine, Health and Life Sciences
Keyword	Influence of habitats on fish catch
Related Publication	Jalilur Rahman, M., Nurul Amin, S.M., Nahiduzzaman, M., Wahab, M.A., Romano, N. (2018). Influence of seasons, habitat sanctuaries, gears and environmental variables on the catches of hilsa shad (<i>Tenualosa ilisha</i>) in Bangladesh waters, <i>Journal of Environmental Biology</i> , 39(5): 767-776 doi: 10.22438/jeb/39/5(SI)/21 http://doi.org/10.22438/jeb/39/5(SI)/21
Language	English
Producer	WorldFish (WorldFish) https://www.worldfishcenter.org/ 
Production Date	2017-05-20
Contributor	Project Leader : WorldFish Project Member : Universiti Putra Malaysia Project Member : University of Arkansas at Pine Bluff, USA




1 to 5 of 5 Files		Download
<input type="checkbox"/>	<p> CPUE Data Form.docx MS Word - 32.0 KB - Jun 27, 2019 - 4 Downloads MD5: 86a7853cff8166f53a043934c32cba02 Questionnaire</p> <p>2. Questionnaires Documentation</p>	Download
<input type="checkbox"/>	<p> CPUE Data-VariableDescription.tab Tabular Data - 4.7 KB - Jul 1, 2019 - 4 Downloads 118 Variables, 2 Observations - UNF:6:8ybJamM2l6LvlBm547nlXA== Codebook</p> <p>Data 7. Codebook</p>	Explore Download
<input type="checkbox"/>	<p> CPUE Data.tab Tabular Data - 585.0 KB - Jul 1, 2019 - 5 Downloads 111 Variables, 1500 Observations - UNF:6:POaEJPovnqGIUcczsQoT8Q== Data</p> <p>6. Raw and verified data Data</p>	Explore Download
<input type="checkbox"/>	<p> Habitat WQ Data Form.docx MS Word - 31.1 KB - Jun 27, 2019 - 4 Downloads MD5: 41f9932cb3e0995cf2c022a67f6710d6 Questionnaire</p> <p>2. Questionnaires Documentation</p>	Download
<input type="checkbox"/>	<p> Habitat WQ Data.xlsx MS Excel Spreadsheet - 66.5 KB - Jun 27, 2019 - 4 Downloads MD5: 6579e3746a5d683ebd59f550158d5e78 Data</p> <p>6. Raw and verified data Data</p>	Download




Proper data citation

Primary Data for the published paper entitled “Influence of seasons, habitat sanctuaries, gears and environmental variables on the catches of hilsa shad (*Tenualosa ilisha*) in Bangladesh waters”

 Metrics

21 Downloads


 Contact  Share



Primary Data for the published paper entitled “Influence of seasons, habitat sanctuaries, gears and environmental variables on the catches of hilsa shad (*Tenualosa ilisha*) in Bangladesh waters”

Version 2.1

Mohammad Jalilur Rahman; S. M. Nurul Amin; Md. Nahiduzzaman; Md. Abdul Wahab; Nicholas Romano, 2019, "Primary Data for the published paper entitled “Influence of seasons, habitat sanctuaries, gears and environmental variables on the catches of hilsa shad (*Tenualosa ilisha*) in Bangladesh waters”", <https://doi.org/10.7910/DVN/COVGMO>, Harvard Dataverse, V2, UNF:6:y4gHoSm9VIXUvLdk9ZB0fg== [fileUNF]

 Cite Dataset ▾

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Open Access at WorldFish

WorldFish research is regarded as international public goods, and we are committed to the widespread dissemination of all our information products. One of the organizational objectives of WorldFish is to make all of its products open. This is in line with both the Center's Research Data Management and Open Access Policy and the CGIAR Open Access and Data Management Policy. Opening our research, including publications, data and tools, ensures that more people can read and apply our research findings, thereby increasing the efficiency, reach and impact of our work.

This repository is built on the DSpace platform, and we hope this will make accessing our material easier.

Communities in WorldFish Repository

Select a community to browse its collections.

[WorldFish Community \[3508\]](#)

Recently Added



FISH ISC ToR Final

Phillips, Michael

Term of reference of the FISH CRP Independent Steering Committee (ISC)

<https://digitalarchive.worldfishcenter.org/>



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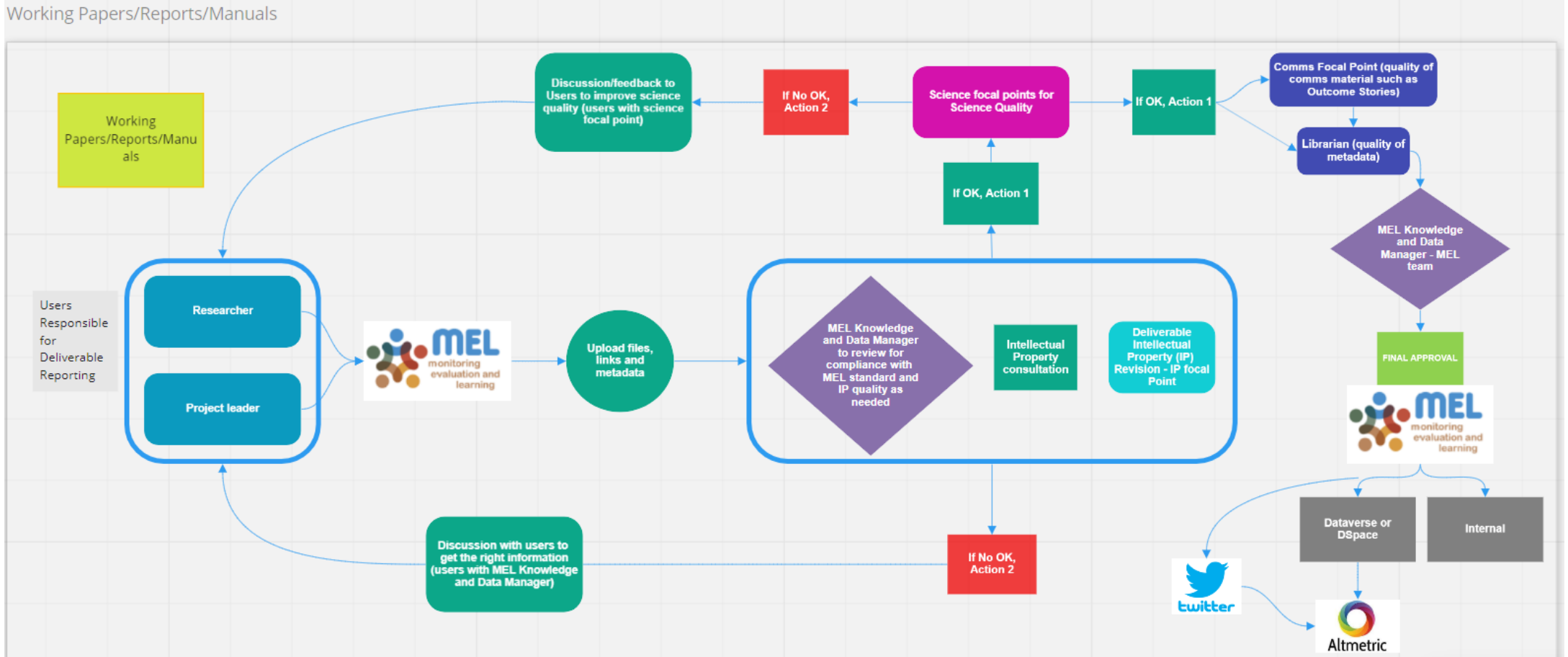
Platforms

Should be geared towards archiving and sharing data:

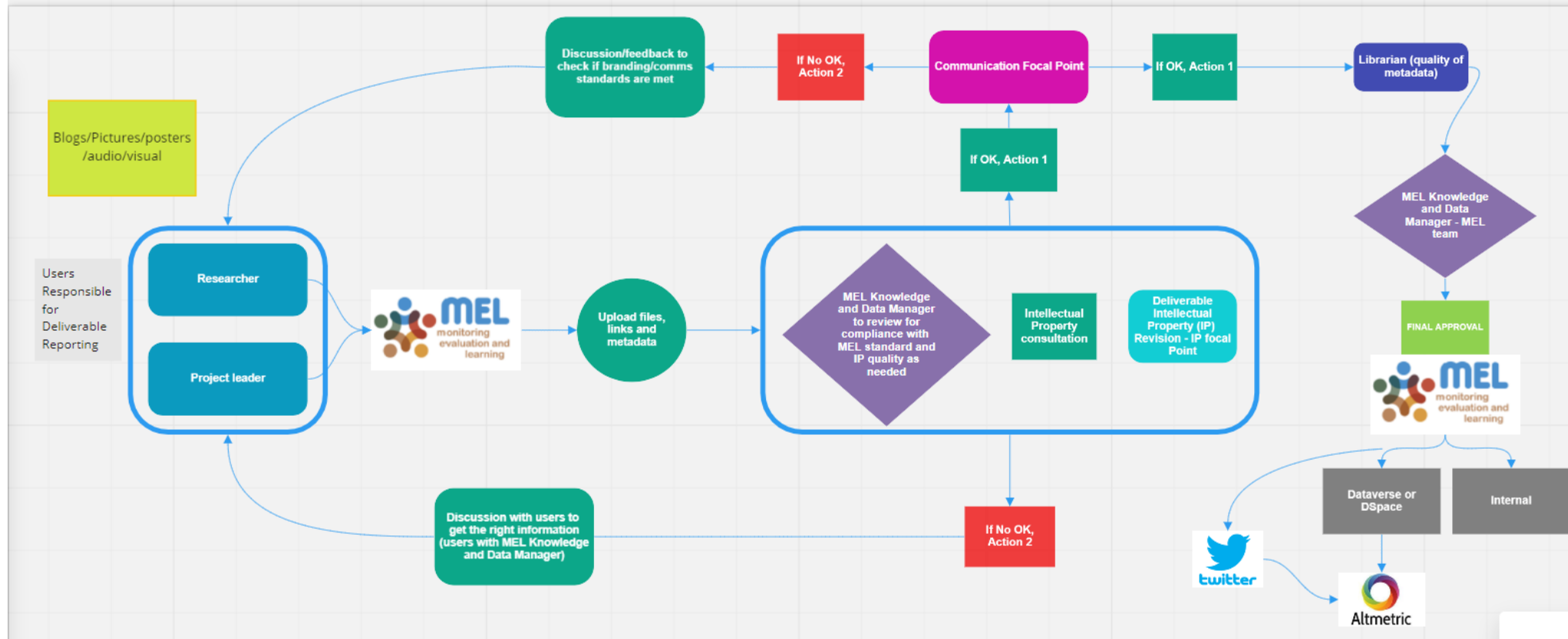
- Recommended Metadata Standards e.g. Dublin Core
- Data Reformatting
- Data Preservation – e.g. LOCKSS system (peer to peer replication)
- Data Subsetting
- Interoperability e.g. Data Harvesting (OAI-PMH) Compliant
- Authentication and access control
- Usage Statistics



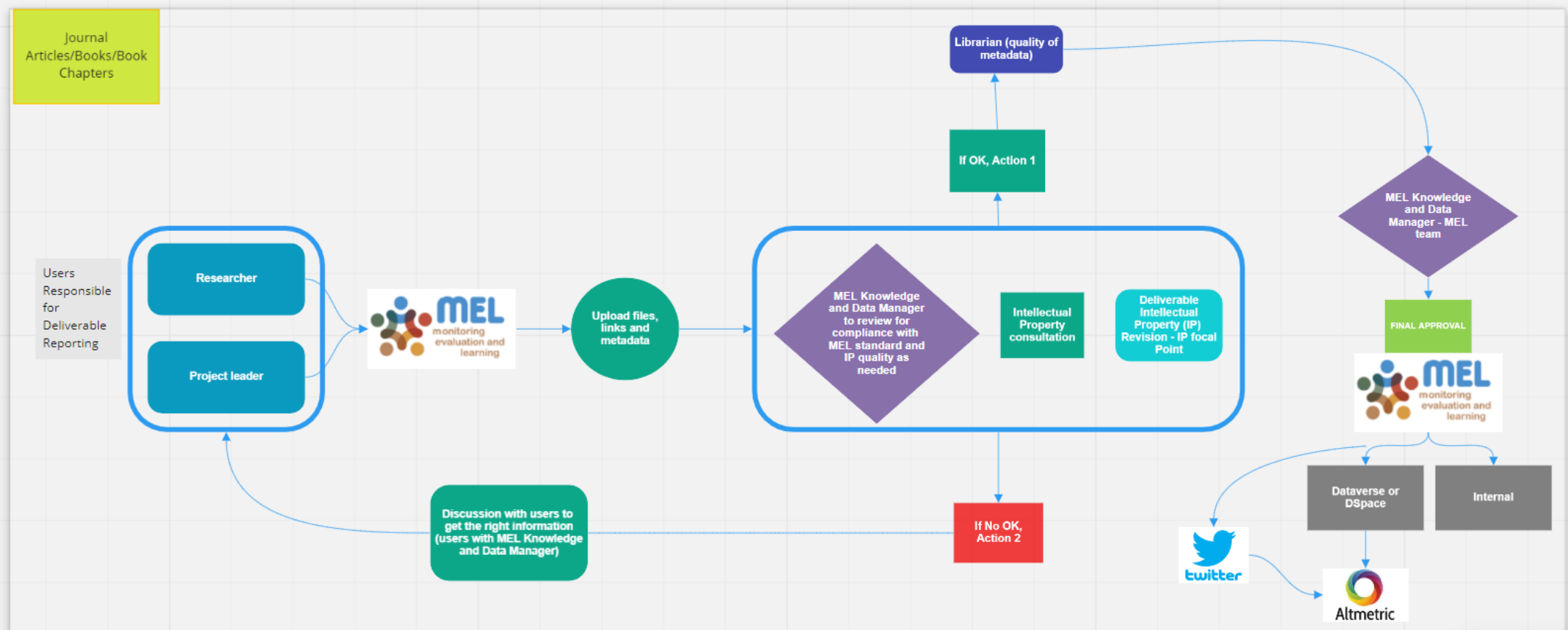
Workflow for depositing IP



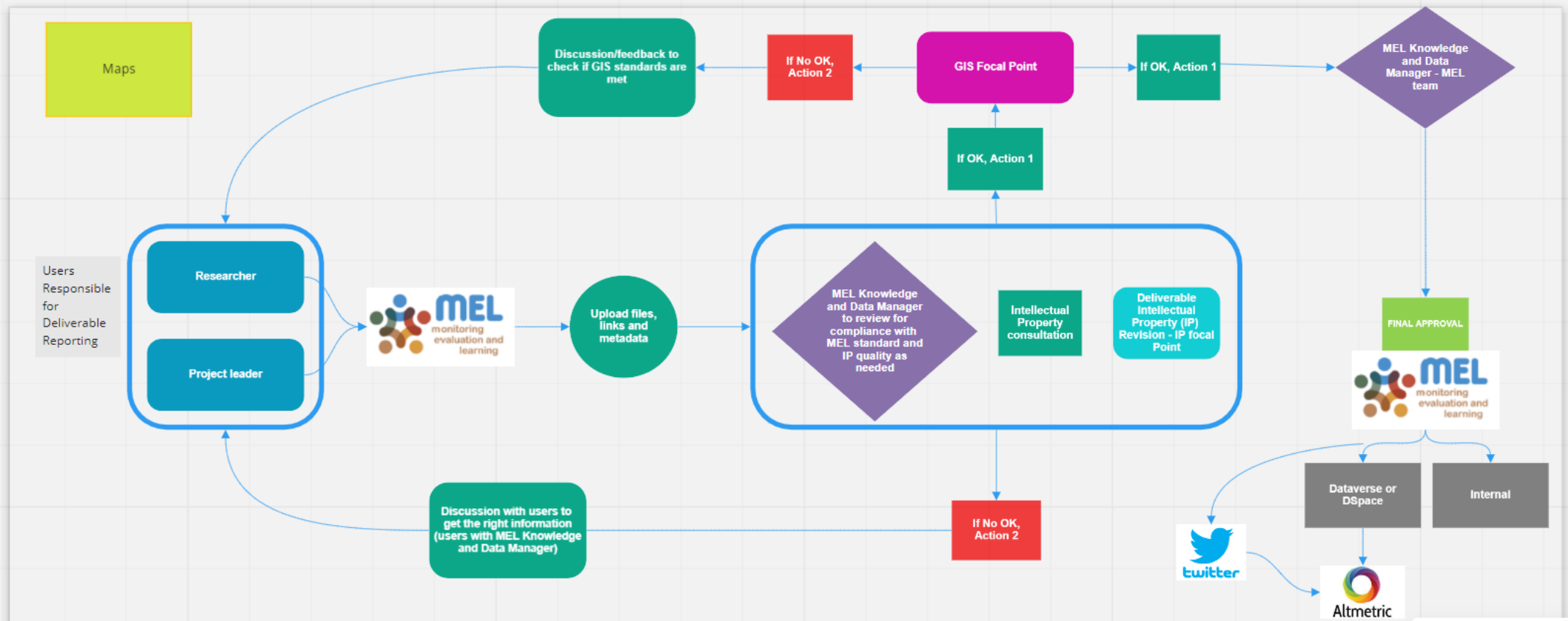
Blogs/Pictures/Posters/Audio/Visual



Journal Articles/Books/Book Chapters



Maps



Quality checks

What we look for:

- All metadata fields are filled
- Proper application of licenses
- Proper information product classification
- First level look at the files
- Check on confidentiality etc



Reporting deliverables to MEL

Exercise



For further reading

- [WorldFish Research Data and Open Access policy](#)
- [CGIAR Open Access and Data Policy](#)
- [WorldFish Research Data and Open Access policy FAQs](#)
- [Research Data Management for projects](#)
- [Setting up an account on Dataverse](#)



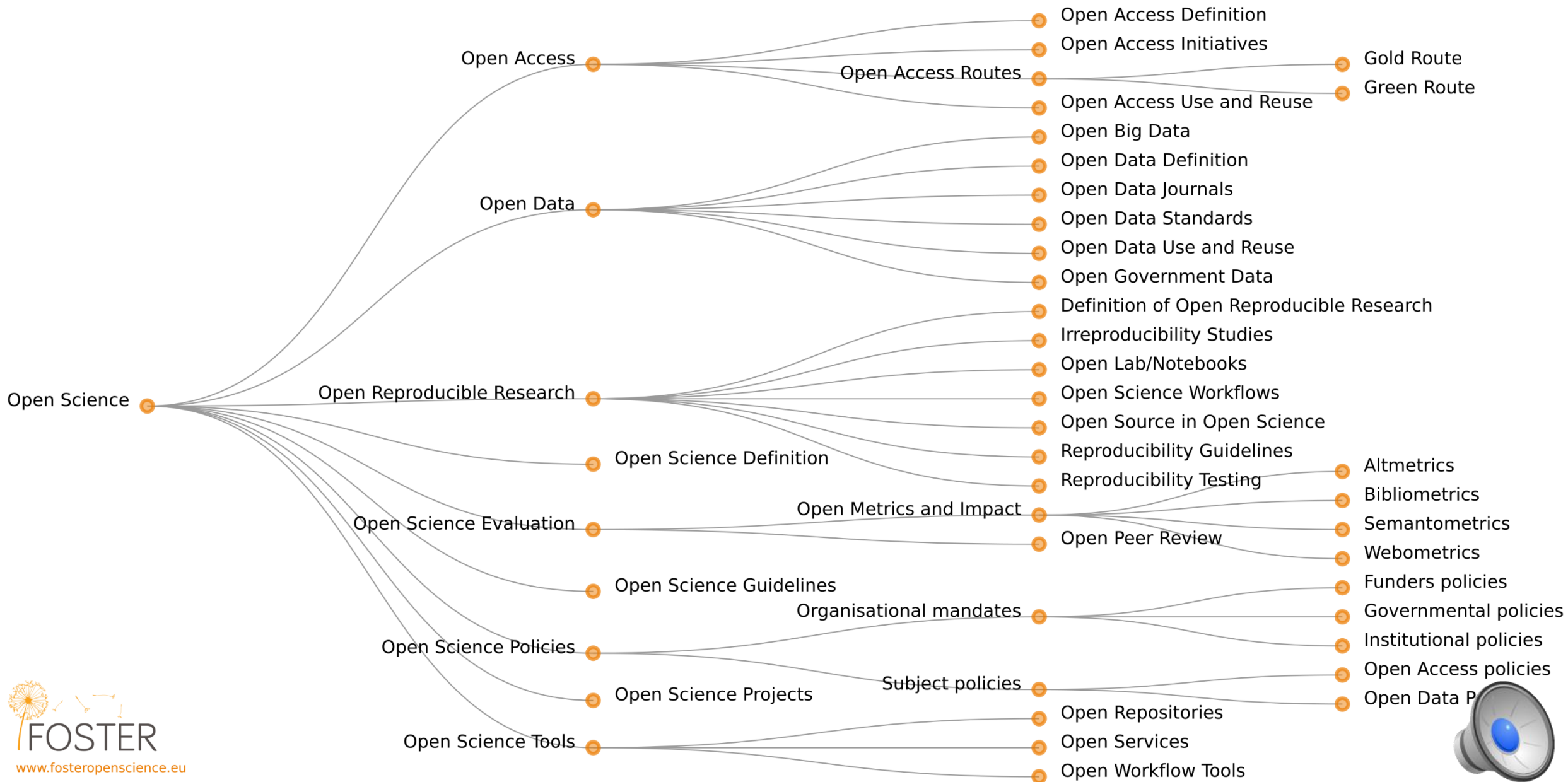
Thank you!

If you have any question/need clarification:

- Send email to J.Muliro@cgiar.org
- Follow me on twitter - @chaudj



Open Science Taxonomy



Acknowledgement

Some slides borrowed from Leroy Mwanzia (CIAT) –
L.Mwanzia@cgiar.org