Premières Journées Nationales de la Science Ouverte De la stratégie à l'action

OUVRIR
LA SCIENCE!

4-6 décembre 2018
Paris, France

- Le contexte et les enjeux

- Comment le travail est mené
- Les résultats
- Ce que la RDA vous a apporté / difficultés
- Perspectives

Status: Recognised & Endorsed

**Interest Group** 

**Sharing Rewards and Credit** 

(SHARC)





**IG** Established

Chairs: Anne Cambon-Thomsen, Laurence Mabile (FR),

<u>Laurent Dollé</u> (BE), <u>Anne-Marie Tassé</u> (CA), <u>Michele De Rosa</u> (DK)

Secretariat Liaison: Lynn Yarmey

TAB Liaison: Paul Uhlir

Currently 42 members

Communities represented

Biology and Biomedicine,

Information Sciences and Technology,

Geospatial data,

Marine Biology,
Industrial Ecology,

Biodiversity,

**Bioethics** 

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https://rd-alliance.org/groups/sharing-rewards-and-credit-sharc-ig

## Aim and context



#### Goals

Problem: lack of recognition of the sharing activity itself that may be complex and not well identified is part of the barriers to sharing Goal: Explore/propose mechanisms and instruments to encourage the sharing of data and material samples in different research domains by recognizing, crediting and rewarding the various steps of the work necessary to accomplish a reliable and useful sharing.

### Origin

An international group in a given biomedical community (**BRIF**: Bioresources Research Impact Factor/Framework)

A Bof session in RDA P9, in Barcelona, April 2017

The constitution and approval of this interest group (June-October 2017)

#### First milestone

background paper on state of the question, definitions, existing tools, with first recommendations (draft)

# Development and current standing



### A background paper:

basis for concrete policy recommendations for rewarding the sharing activity, to national, supra-national and community bodies involved in the process of research output assessments and to suggest pilot projects to implement them

#### How do we work:

- virtual meetings (group, subgroup, tasks),+ e-mail exchange
- physical meeting and holding open sessions with specific aims at RDA P11 (Berlin Spring 2018), ESOF 2018 (Toulouse), RDA P12 (Gabarone Autumn 2018), JNSO (December 2018)
- sub-group on criteria for evaluation of the activity « sharing », specifically on "How to operationalize and to evaluate the FAIRness in the crediting and rewarding processes in data sharing: a first step towards a simplified assessment grid" (Poster JNSO)

INSO poster!

## Results

# What RDA brought to us (+/-)



PDA E. How to operationalize and to evalu	
in the crediting and rewarding proces as first step towards a simplified a	assessment grid.
note Seed Learners Media, National Price, Area Centron Thomas, Avendugin Antonius, Lauk Beauthoris, Side Researt, Caleba Select. Data Seart, Care Serve, Aven Caternitation, Austin Chance, Makha Ce Rose, week Class, and Congo.  **Section Congo.***  **Section Congo.***  **Section Congo.**  **Section Congo.*	
DATA SHARING EVALUATION TO TRIGGER	1) FINDABLE (8 essential orteria)
CREDITING/REWARDING PROCESSES	Indexed identifier 7 destinates
order to foster data sharing, the RDA-BHARC (BHAring Rewards & Credit) rest group has been set up to unpack and improve crediting and rewarding	□ NeverNA □ If Mandatory □ Sometimes □ Always  to sait defining inclining a intention incline i
chanisms in the data/resources sharing process. As part of the objectives, assessment grids are being developed using criteria to establish if data	Unique, global, persistent 67  Investitation   NeverNA   If Mandatory   Scenetimes   Always
compliant to the F.A.I.R principles (findable /accessible / interoperable / sable). The criteria used are based on the work from FORCE 11*, and on the	to be the blocker steps glade and problem?  ED suchestine?
is of the Open Science Career Assessment Matrix designed by the EC riking group on Rewards under Open science.	The any investigag stress later used for dealing \$1007
- 4	Persistent metadata / data link 7 Interest toustilly   NeverNA   If Mandatory   Scendimes   Always
Fincebe Assassible Intercopratio Reussale	to bendess that to short trape present tools?
O O O	Introduct recently   Neverthia   If Mandatory   Screetimes   Always
( ) , , , , , , , , , , , , , , , , , ,	Datasets linked to authority ?
	□ NeverNA □ If Mandatory □ Screetimes □ Always tred black bid to a ratioly bigd with truly a right of protein the file ratios by ration, resided a relation body?
regulation - Transportant III Bride 44	Data description standards? Metable description and securitality
BUILDING FAIR-BASED ASSESSMENT GRIDS	□ NeveriNA □ If Mandatory □ Screetimes □ Always  This land, has the researine cost with and quinted denotes for talk destings 1 files, as the date research only selected yearing also denotes the company commands opposite destinating destination of the destination of the date of th
be generic and trans-disciplinary, assessment grids should be lerstandable by all scientist including the ones who are not expert in data	Data formatitype description?  Metaba description on excitability
ence. • two grids displayed as a tree-graph structure are based on previous works	□ NeverNA □ If Mandatory □ Sometimes □ Always to being and be do if being restain of about 1
FAIR data management (Reymonet et al., 2018; Wilkinson et al., 2016; kinson et al., 2018; and E.U.Guidelines about FAIRness DMPs):	Result for Findable:
the self-assessment grid is conceived as a checklist for scientists to identify erihis own activities are compliant to FAIR principles and to pinpoint the	2) ACCESSIBLE (s essential oriteria)  Data repositorius?
dies that hinder efficient sharing and reuse of data of the two-level grid (simplified / extensive) is conceived as a chart for the	Repository   NeverNA   If Mandatory   Sometimes   Always
ivator to assess the quality of the researcheriscientist sharing practice, over iven period, taking into account the means & support available over that	Efficient and rich services for various uses & users?
iod. Assessment criteria are classified according to their level of stringency FAIRness (essential / recommended / desirable).	NeverNA   If Mandatory   Scendines   Always
First draft of the simplified FAIR criteria assessment grid	Data access restriction justification?
aim of the simplified assessment grid is to focus on essential criteria only and e completed by scientists who produce data. It is the summary of a more	□ NeventNA □ If Mandatory □ Scendines □ Always h saw for no logi noticed areas, into notice purposed tryto resenter?
nsive grid designed for assessing optimal sharing of data (not yet possible at moment for most scientists worldwide). The assessment is based on FAIR	Result for Accessible:// NeverBA// If Mandatory// Sometimes// Always  3) INTEROPERABLE (2 occentral ordinals)
ria compliance.	Standard vocabularies, thesaurus, ontologies or data dictionary?
grid can be used to get a first appreciation of the researcher's practice but not be used alone for a comprehensive assessment of the FAIRness of data	Never(NA   If Mandatory   Sometimes   Always   As dealer resident Assessment   Always   Assessment   Assessmen
ing. Motivations related-criteria help to interpret further the results highlighted good practices.	interoperability criteria explained?
vations for Sharing (4 essential criteria)	Investigation   NeverNA   If Mandatory   Sometimes   Always
datory criteria - □ If non restricted access, are all datasets shared? - □ Has any long term preservation strategy planned (e.g. in a long term archive)?	Result for intersperability,
<ul> <li>Which motivations are declared by the researcher?</li> <li>this alm, have D.M.P.s been described? If so, what tools/templates here been used?</li> </ul>	4) REUSABLE (6 essential oriferia)
onal criteria → Any specific training followed? If so, what is the name of the programme ?  — Diff released, any use of open community authorse platform? If so, name of the platform??  — Diff released, any software management places (S.M.P. #)? If so, name of the platform?	Relevant actions for data reuse potential?
INPUT NEEDED FROM RESEARCH COMMUNITIES	□ Never/NA □ If Mandatory □ Sometimes □ Always  Was shart of online less middle light reserve to allow to the way detail?
t	Provenance for row and transformed data?  Determining the row and transformed data?  Never/NA   If Mandatory   Sometimes   Always
To implement a highly fair appraisal of the sharing process, appropriate oriteria must be selected in order to design optimal generic assessment grids. This process requires participation, time and input from volunteer data producers/ausers scientists in	to be presented by old the profit control of a place; best rest, section (?)  [information on methods and tools that permit the understanding, integrity of data?
participation, area and input from volunteer data producer values as scientists in various fishelds. The aim is to get feedback from a larger community as to the validity of the oriberia over different fields. The assessment grids will circulate in the RDA.	Reveality took   Neven/NA : If Mandatory :: Sometimes :: Always
community as an online questionnaire as soon as possible	largian (log, selecting actival activity ten man has to potants, where a replacification activates to make and extended later.  Data sharing arrangements meet data ethics and protection?
Are you producing or using data? Please participate in the development of the FARness assessment glids by completing the questionnaire when available. It will help you get credit back for your efforts!	Deals Stateming and analysis reserves reserves and productions:
HOW?	Legal reuse restriction property justified?
https://www.rd-alliance.org/get-mointed.html and There join the SHARC interest group at https://www.rd-alliance.org/groups/sharing-rewards-and-credit-sharc-ig	The side was control and also during enrogments and its day principle of "hadrated after explanated".  In the side was control and along enrogments and to this principle on "hadrated after explanated."
group at https://www.rd-alliance.org/groups/sharing-rewards-and-credit-share-ig You will then be informed in real time-	Result for Reusable:
Tara finder a piece patrici de la companie de la proposition	TOTAL FAIR simple criteria evaluation results: //S Sever394* //S S Mandatory //S Severations* //S (Abusus*)

- Two grids (still to be validated join us!)
  - One for auto-evaluation, one for the evaluator
  - Each in short or complete version
- A paper in preparation on the grids
- A draft background and draft recommendations
- A framework/infrastructure for the group, visibility
- Contact with new communitites/competencies
- Tools for the work (website, meetings, mailings)
- Process for consultation/endorsement
- But no specific funds a bit complicated multiplicity of groups and some redundance

## Perspectives / Next steps



- 1) Testing / consulting /validating the grid(s) draft
  - Questionnaire on the grids
  - A small group
- 2) Paper (on the establishment of the grids)
- 3) Link the grids to the recommendations and complete draft
- 4) Consultation/RDA endorsement
- 5) Publication of background paper and of recommendations
- 6) Disseminate to various institutions (national, European, international [link with CODATA])
- 7) Pilot in 2-3 different contexts

Merci pour votre attention