

# MaRDA MDI Provider Integration and Interoperability WG Collaborative Notes

June 3rd, 2021

## Quick Links

- This Document: [MaRDA-MDI3-2021-06-03](https://www.marda-alliance.org/MDI3-2021-06-03)
- MaRDA: <https://www.marda-alliance.org/>
- MaRDA Slack: <https://mardaworkspace.slack.com>
- Discussion Board: <https://matsci.org/c/marda/45>
- WG GitHub: <https://github.com/marda-alliance/MDI-Provider-Integration-Interoperability>
- 2021 Annual Meeting Documents: <https://bit.ly/marda2021documents>
- Slido Poll: <https://app.sli.do/event/bejhy1ck>
- Slido ID: #MDI-June

## Agenda

- Welcome [Santanu]
- Introduction to MaRDA and this Working Group [Zach]
- RDaF [Bob Hanisch]
- Slido Poll [Zach]
  - RDaF
  - Protocols and Metadata Interchange Formats
  - Pub/Sub virtual hackathon in fall
- Open Discussion [Santanu]
- No Meeting in July

## Attendance

Please sign in:

Name	Email	Organization	ORCID
Nick Lilovich	<a href="mailto:nick@thecollaboratory.ai">nick@thecollaboratory.ai</a>	The Collaboratory, data discovery site	
Zachary Trautt	<a href="mailto:zachary.trautt@nist.gov">zachary.trautt@nist.gov</a>	NIST	0000-0001-5929-0354
Bob Hanisch	<a href="mailto:robert.hanisch@nist.gov">robert.hanisch@nist.gov</a>	NIST	0000-0002-6853-4602

Abhijith Gopakumar	abhijith@u.northwestern.edu	Northwestern University	0000-0001-5792-8289
Marcus Hanwell	mhanwell@bnl.gov	BNL	0000-0002-5851-5272
James Fourman	james.fourman.ctr@afresearchlab.com	AFRL (UES Contractor)	0000-0002-6783-2800
Eva Campo	campostellaresearch@gmail.com	Campostella Research	0000-0002-9808-4112
Robert White	robert.white@nrel.gov	NREL	0000-0002-5208-4061
Josh Latimer	joshua.latimer.ctr@us.af.mil	AFRL (UES Contractor)	
Dustin Michels	dustin7538@gmail.com	Collaboratory	
Grant Phillips	grant.phillips.ctr.3@afresearchlab.com	AFRL (UES Contractor)	
Santanu Chaudhuri	schaudhuri@anl.gov	Argonne National Lab	
Jason Thiese	jthiese@ues.com	AFRL (UES Contractor)	0000-0002-0859-5737
Timur Bazhurov	timur@exabyte.io	Exabyte.io	
Matthew Jacobsen	matthew.jacobsen.1@us.af.mil	AFRL (civ)	0000-0002-4569-2077
Joe Eklund	joe@llnl.gov	LLNL	
Max Moghadam	mamo5089@colorado.edu	The Collaboratory	

## Comments and Notes

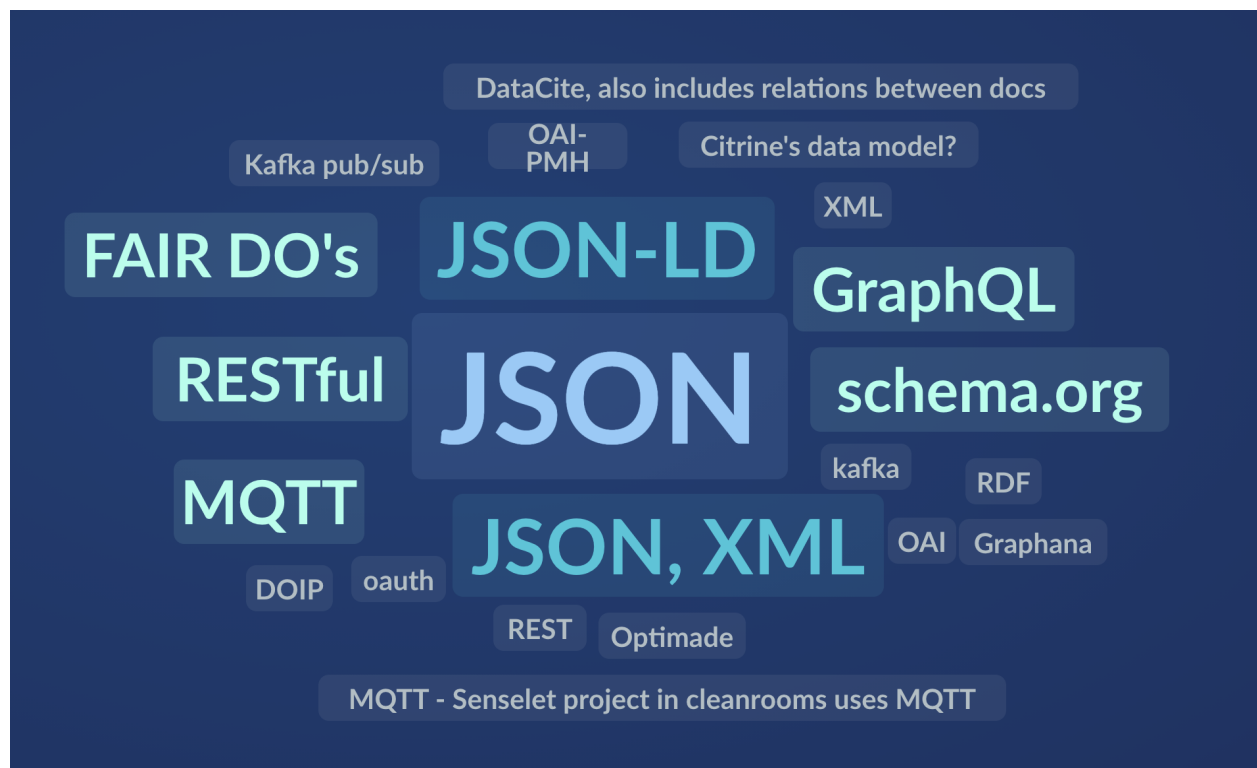
- How do you get the user to use it?
- A copy of Bob's presentation is on the RDaF website:  
<https://www.nist.gov/programs-projects/research-data-framework-rdaf>
- The Collaboratory welcomes collaboration: <https://thecollaboratory.ai/>
  - The Collaboratory is working on a "Figure Search" tool that pulls these from papers - right now we're testing it via the PubMed corpus (~8m figures)

## Slido Poll

How can this Working Group or MaRDA leverage or support the RDaF?

- Work with manufacturers to refine their ideas about proprietary formats to easy to use/resue data formats
- Success stories about data reuse
- Refine operations on data in RDAF (e.g., data cleaning - highly time consuming operation); Add external sensory data around materials SEM/TEMs, not just scientific data from scientific instruments
- Refine RDAF
- Identify existing capacity and capability
- Offer projects to apply the principles of the RDaF
- Identify use cases
- Reference implementations

What metadata protocols/formats should we be aware of or prioritize?



How would you rate your interest in a virtual hackathon on Pub/Sub protocols within the next 3-6 months?

