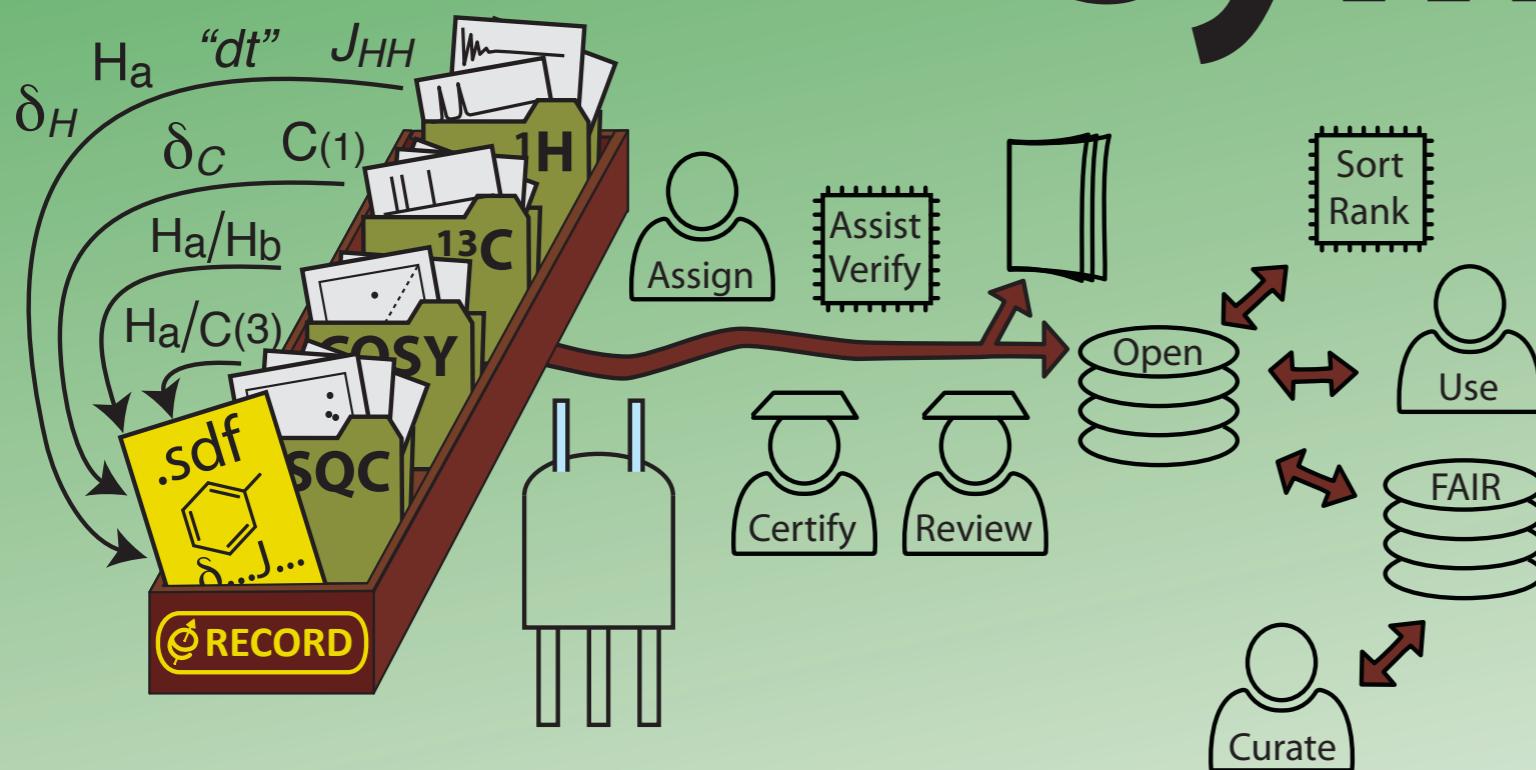


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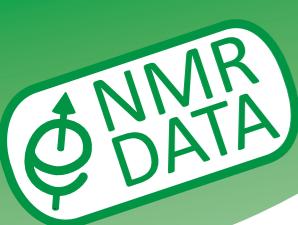
Thursday
26 Sept. 2019

Porto, Portugal

www.nmredata.org

Discussion





http://www3.uah.es/mol_play/NMReDATA/reader46.htm

Angel Herraez (JSmol, Bob Hanson)

File contents
 (click on items to display them if feasible)

- [menthol_1D_1H_assigned_J.zip](#)
- + [AN-menthol](#)
 - [compound1_special_labels.n...](#)
 - [compound1_with_jcamp.nm...](#)
 - [compound1.nmredata.sdf](#)
- + [jcamp_nmr_spectra](#)
 - [only_one_HH_coupling_in_J...](#)
 - [wild_JCH_coupling.sdf](#)
 - [with_char_10.sdf](#)

NMReDATA tags
 (click on each header to unfold/fold its contents)

- VERSION**
- LEVEL**
- ID**
- SOLVENT**
- ASSIGNMENT**
- J**
- 1D_1H**
- model number 2:**
- 2~VERSION**
- 2~ASSIGNMENT**
- 2~J**
- +**

Other tags

- +**

Item contents

SDF header

model number 1:

ChemDraw10231713492D

model number 2:

3D model

_Jmol-14_07051907113D 1 1.00000 0.00000 0

3D coordinates generated by JSmol v. 14.29.46

Molecular structure display
 compound1.nmredata.sdf

assignments

 Display: all

Color code: (off)

move labels

couplings

 Display: all

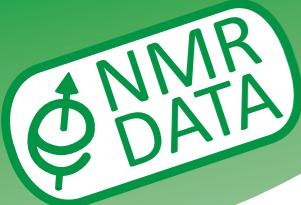
from: J tag

explicit implicit H

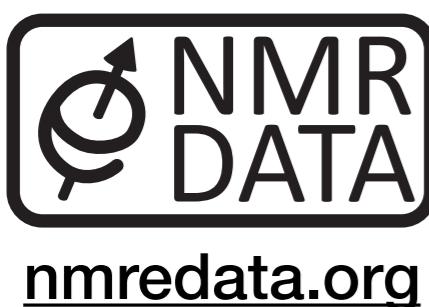
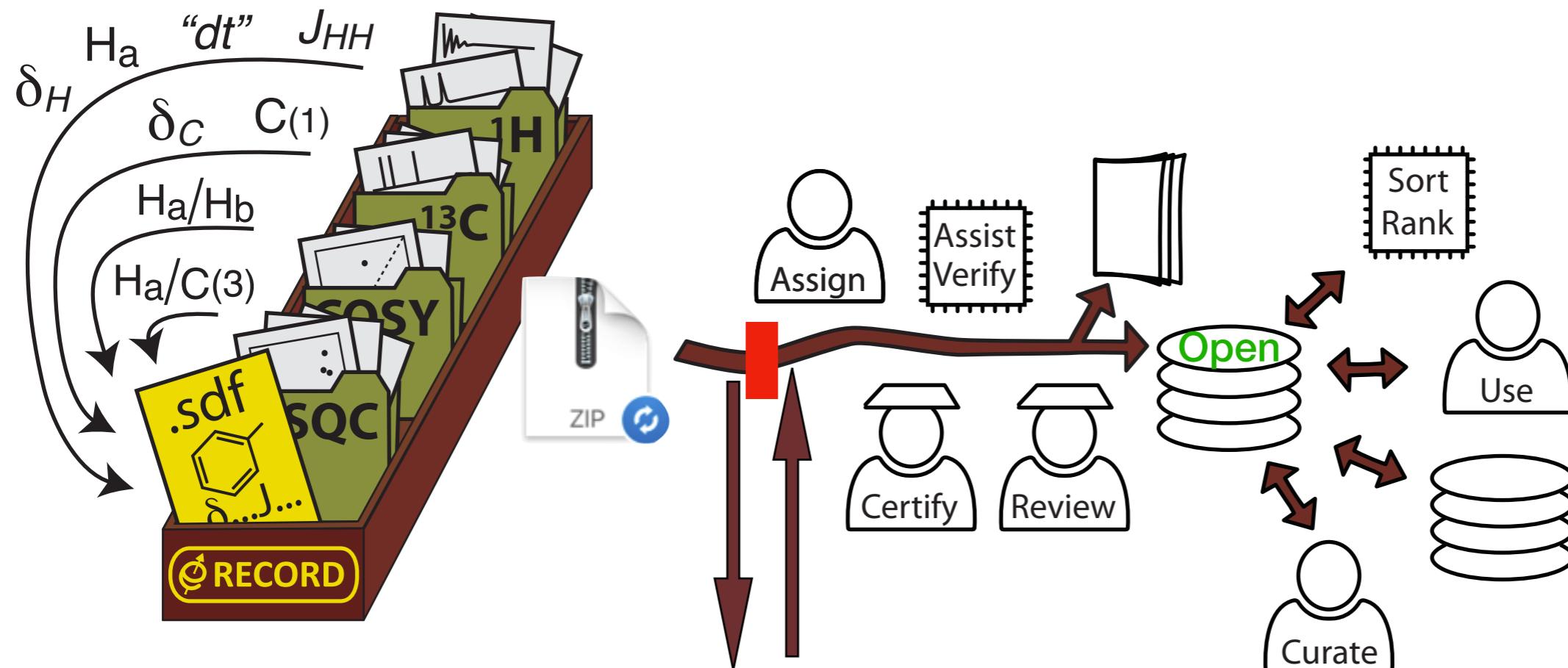
J values

add H's & make 3D

JSmol



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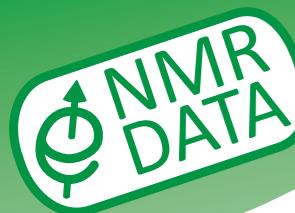


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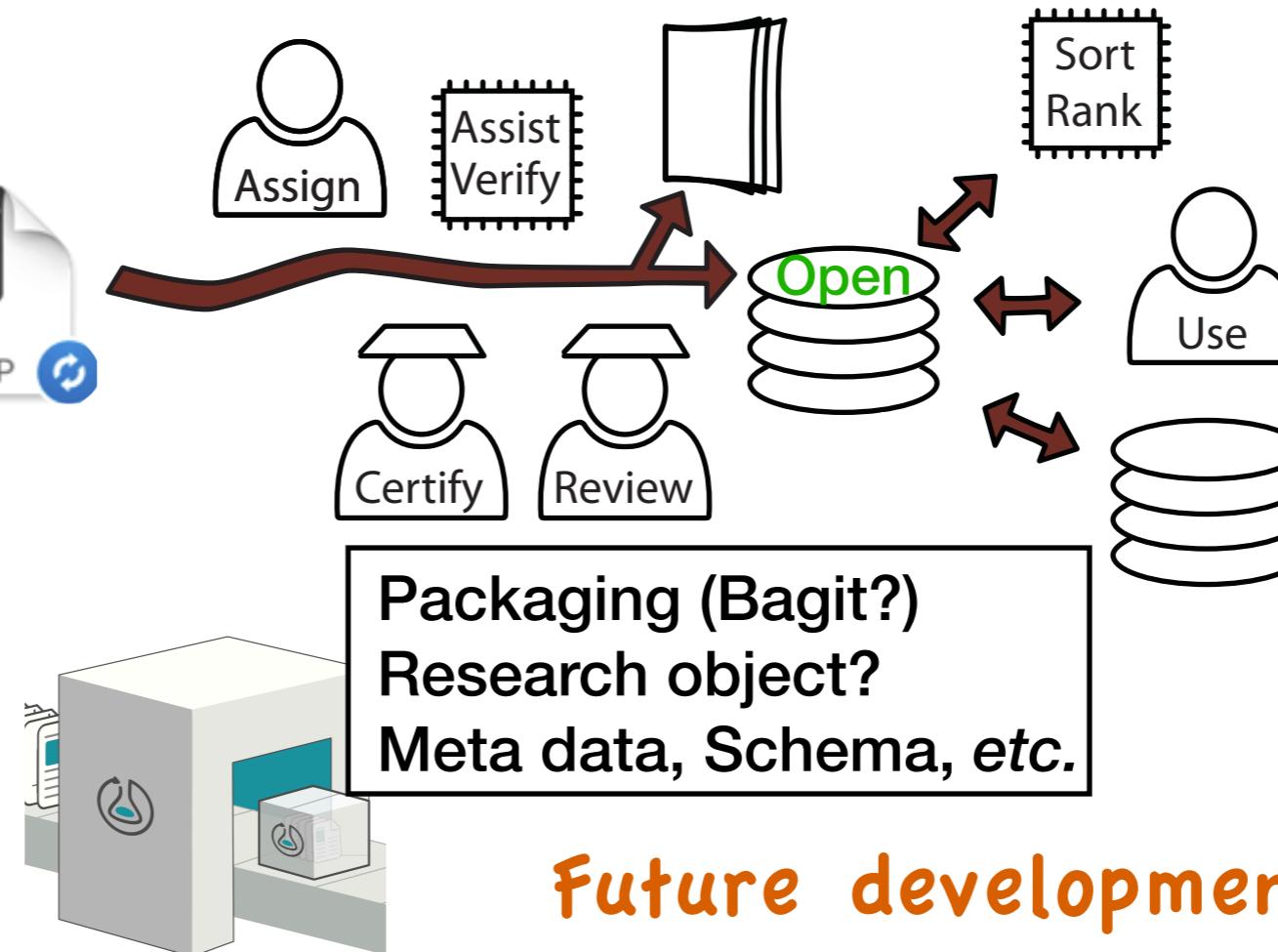
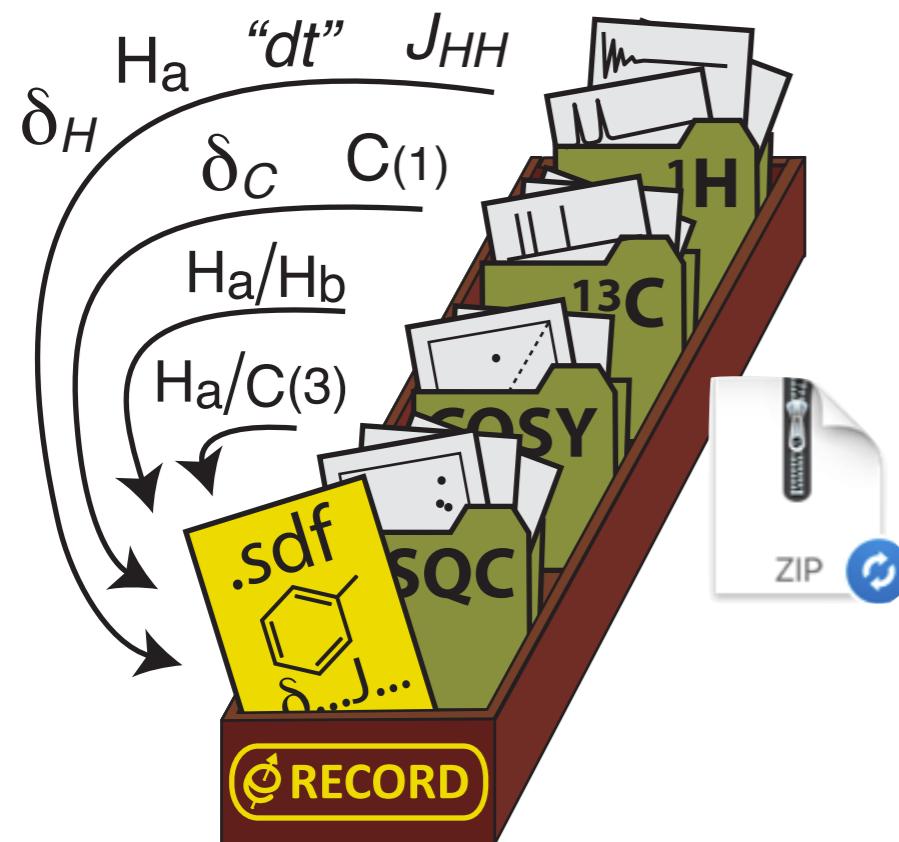
Make FAIR
 $.cdx \rightarrow .mol$
 Bruker, Varian, Mnova $\rightarrow .jcp$

Future development 1

- Findable (J, δ , etc.)**
- Accessible (from open database)**
- Interoperable (SDF is a standard)**
- Reusable (J, δ , spectra, structures, fragments, etc.)**



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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



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TEL: +1-919-485-8700 FAX: +1-919-485-8706 EMAIL:
secretariat@iupac.org

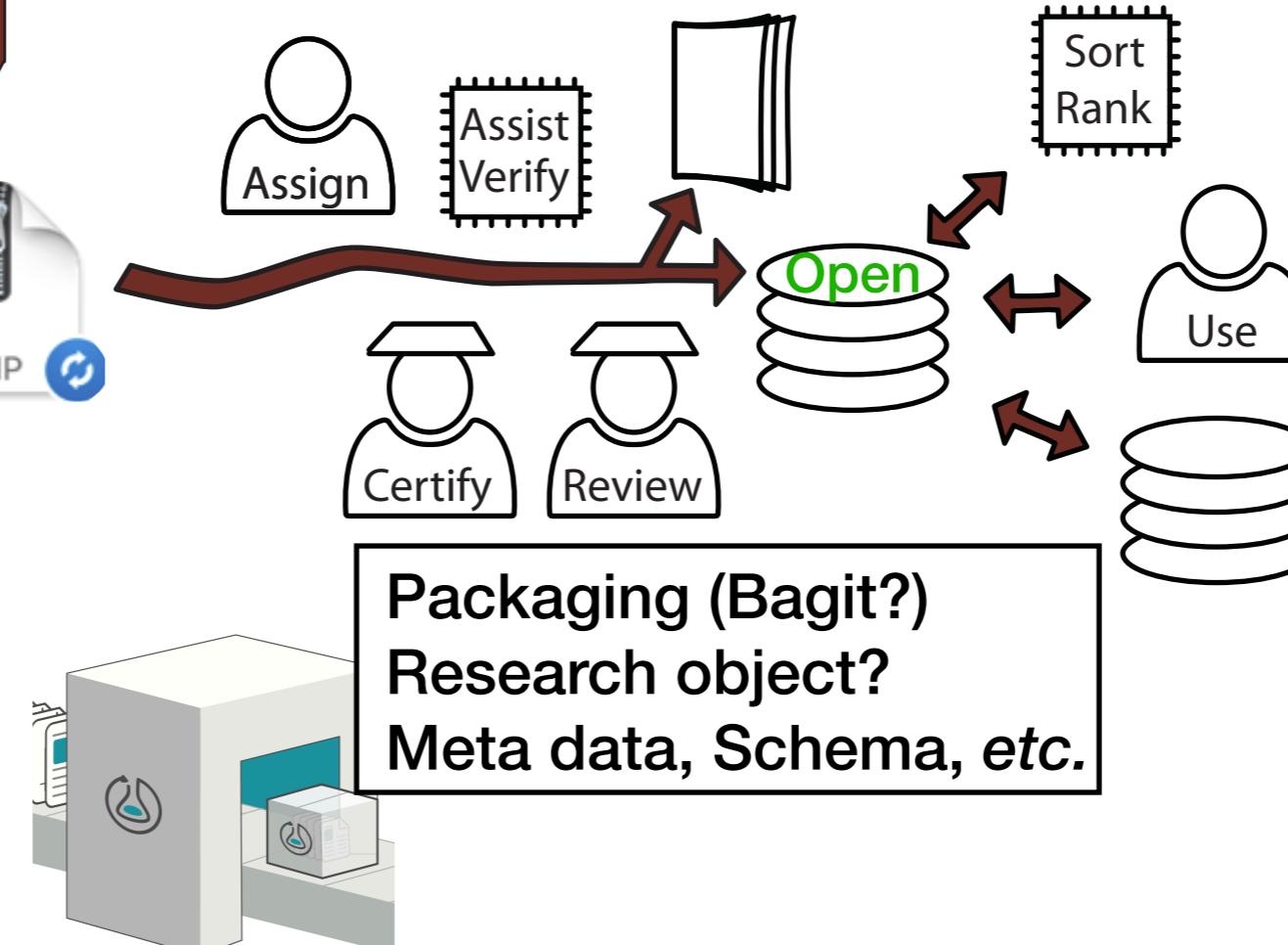
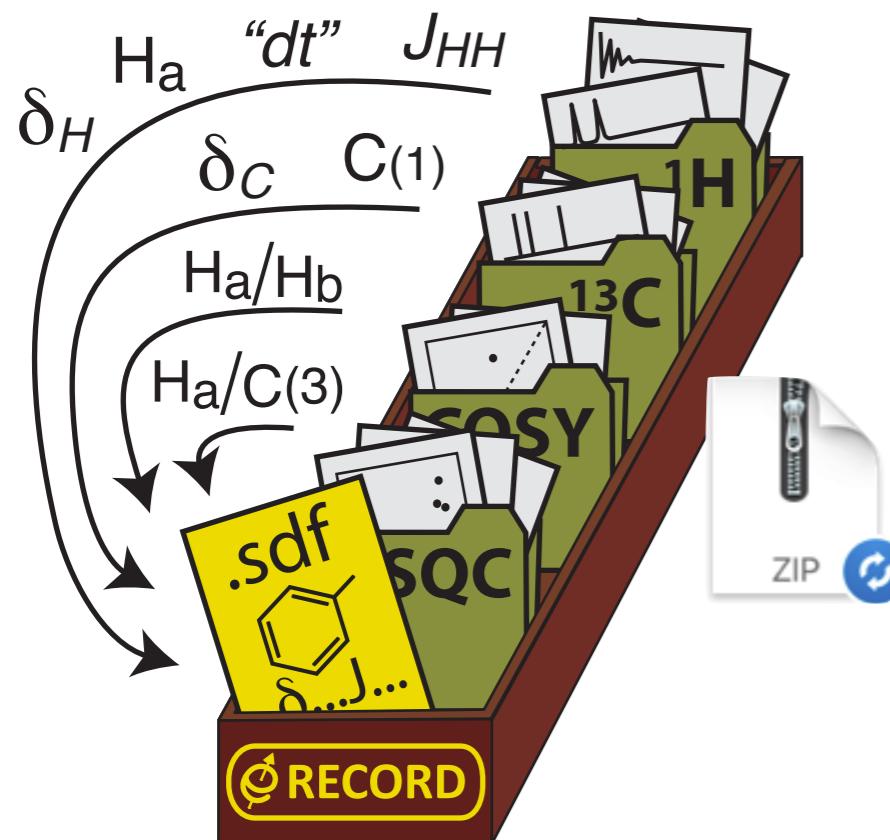
PROJECT SUBMISSION FORM

for administrative use only	Submitted .. _____ ; # .. _____
Date	July 20 2019
Project Title	Incorporating Development of a standard for FAIR Metadata into Spectroscopic Data Files
Series Title (if applicable)	
Task Group Chair	(co-chair) Damien Jeannerat, University of Geneva, NMReDATA Initiative, Switzerland, damien.jeannerat@protonmail.com (co-chair) Robert Hanson, St Olaf College, USA

English (United States) 173%



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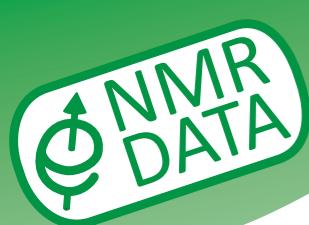
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Future development 3

Other spectroscopies (UV-Vis, IR, MS, etc.)
logfiles (DFT calculations, Modeling, etc.)

...

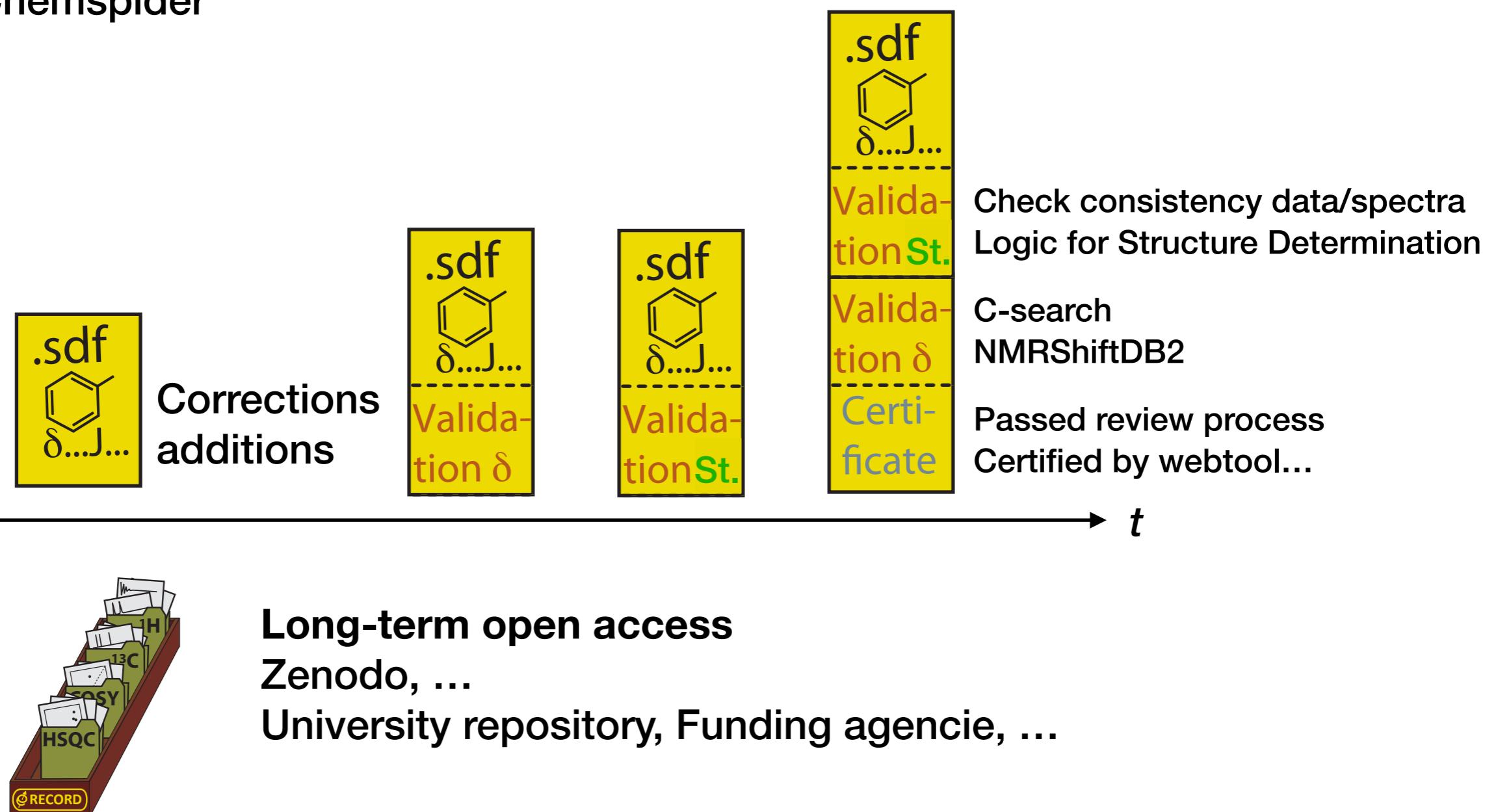
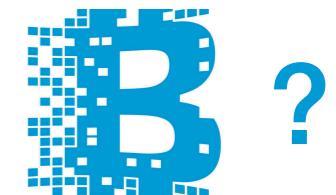


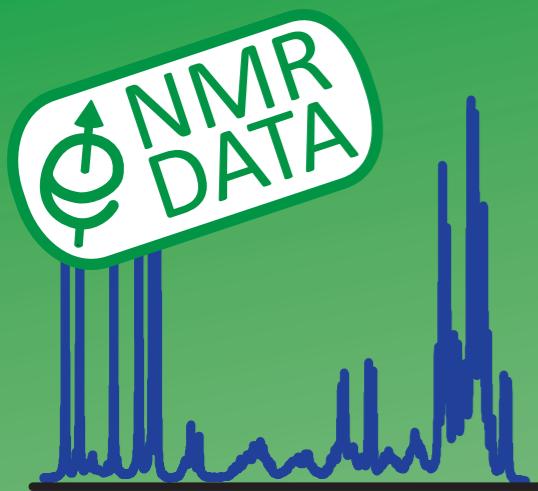
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Versioning (short term)

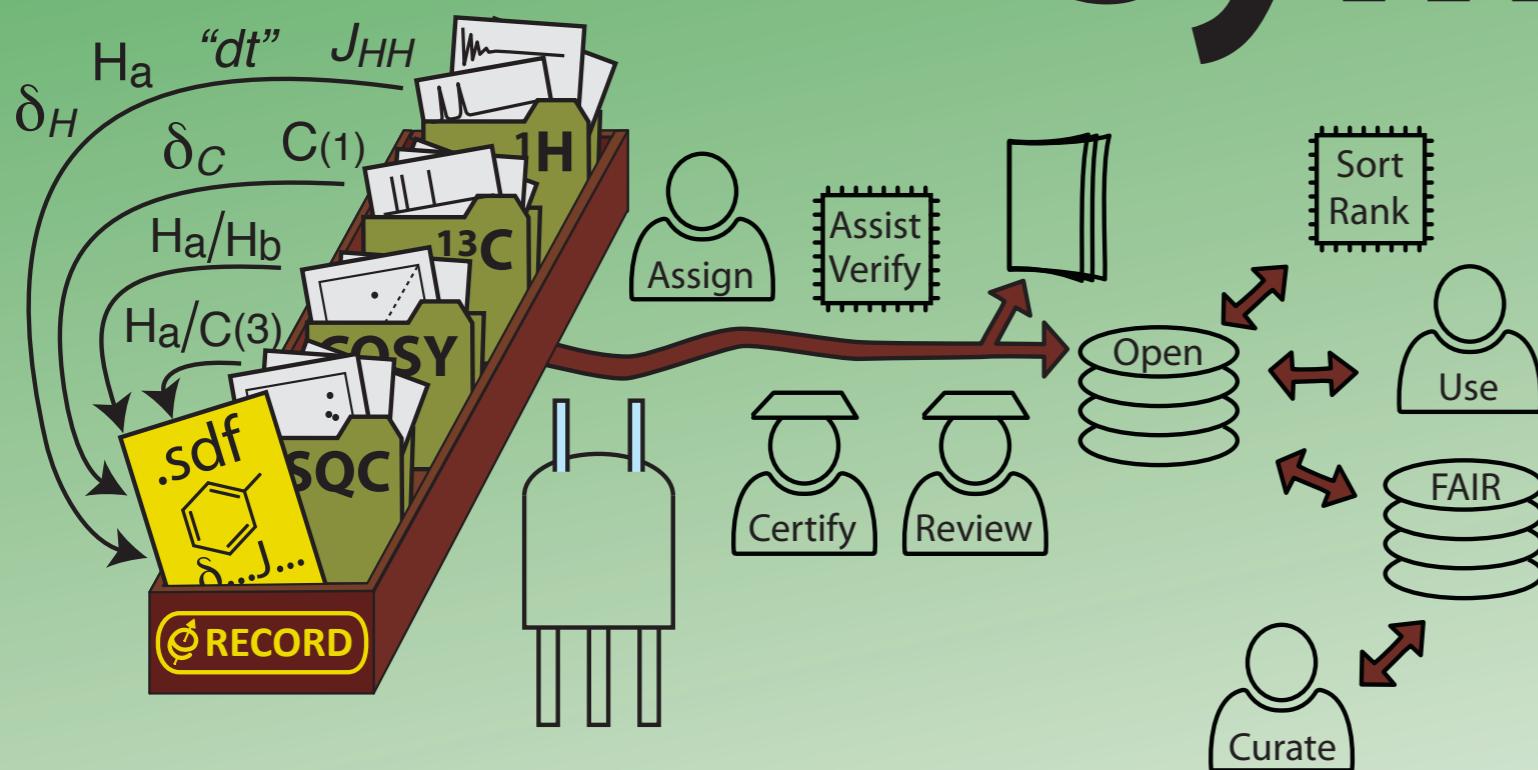
Github

Chemspider





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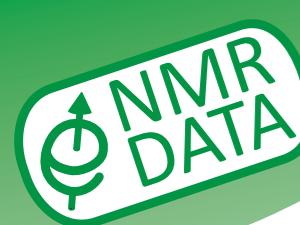
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Discussion





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SMASH

Craig Butts

...
Carla Marchioro

Symposium

Speakers

Paul Trevorow (Wiley)

co-chair Stefan Kuhn

Keep in touch

