Rolling Notes for Visualisation Team RDA COVID-19 Working Group

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Zoom login link:
https://canarie.zoom.us/j/3910531054
Useful documents/notes:

1. Current release of the Guidelines
2. Working Group Landing Page
3. Email: rdacovid19-visualisation@rda-groups.org>
4. Tags spreadsheet

September 14, 2020

- DSWizard
  - Version 0.0.25
  - Updates

- - - ■ All sections are now in the KM
    - ○ Additional work needed?
      - ■ Need to make sure Indigenous is capitalized throughout "Recommendations for Community Participation" section
      - ■ Legal & Ethical to finish up on 15 Sep
  - ● Mindmap
    - ○ Initial version for discussion
  - ● Upcoming webinars
    - ○ RDC Sep webinar will highlight additional outputs
      - ■ Sep 16 - Rob and Mark
      - ■ Draft slide deck

September 1, 2020

- ● DSWizard
  - ○ Sprint to complete the 1st release - updates
    - ■ 8 "thematic" sections
      - ●
    - ■ Overarching sections
    - ■ Text from previous releases of the Guidelines
  - ○ Questions about KM:
    - ■ References to previous version of the Guidelines
      - ● The assumption is that text elements in the Wizard with no version reference are from the final version.
    - ■ Currently named "RDA Covid-19 Data Sharing Recommendations: Omics" - can we remove the Omics suffix?
    - ■ Tags - can be used when building new questionnaire to filter the questions that will be included, so seems to be a very important component of KM.
      - ● For questions from document sections 1-2, should all 'themes' be tagged?
      - ● Do we need a plan to QA the tags to ensure they are applied logically/consistently throughout before releasing for broader testing?
      - ● Mark & Robin to review
    - ■ QA Check
      - ● Rob went in and checked that all questions have a Yes/No answer, and they are now all in the same order.
      - ● There are some places where there are sections relevant to a specific user, but they are in a general section. This will need to be looked at.
      - ● Mark will go back to Omics to remove sections of previous version text.
      - ● Completing the Tags should also be part of a QA check

- ■ Additional work
  - ● Consider additional textual elements to accompany initial questions, so that there is some reason for people to look further.
- ○ "Launch" Date
  - ■ Should look to have all final work done by Sep 11, and Mark will work with the RDA team on a communications approach/mailouts, etc.
- ● Mindmap
  - ○ Will look at creating a 1st version when the DSWizard is done
    - ■ Can an OPML file still be exported?
    - ■ Mark will work with the DSWizard team to do this.
- ● Upcoming webinars
  - ○ RDC Sep webinar will highlight additional outputs
    - ■ Sep 16 - Rob and Mark

August 18, 2020

- ● DSWizard
  - ○ Sprint to complete the 1st release
    - ■ Confirmation/review of latest release
      - ● Current release is **RDA Covid-19 Recommendations 0.0.14**
      - ● Any more merging?
        - ○ No more merging, but the individual editors for each section will need to do some QA and possibly add additional text.
        - ○ Each editor will also need to annotate Timea's document with the reference to the additions. Please mark the full text and not only section titles
      - ● There may have been some changes that did not make it to this release, lost in the merge that was more work than Rob thought; please verify.
    - ■ Document with final version and editing table.
      - ● Other editing to be booked?
    - ■ After an editing session, please "Publish" a new version of the knowledge model, documenting the changes.
  - ○ Sections not yet done/spoken for:
    - ■ General
      - ● 1 (not yet done at all)
        - ○ Timea will take a look
      - ● 2 (version 3 done, with some of the latest release also done - this needs to be checked)
        - ○ Time will take a look
    - ■ Legal and Ethical
      - ● Brian is going to look at this

- - - Research Software
      - Leyla should be asked Timea will reach out to her)
    - Clinical
      - Rob needs to update from Version-III.
  - Testing before public launch - aim for end of Aug or early Sept
    - One option is to send it to the Research Software SG for initial testing.
    - Amy will look at asking the SS SG
    - Weeks of Aug 24 and Aug 31 will be reserved for testing and feedback
  - RDC webinar scheduled for Wednesday, September 16th, 2020, 18:00-19:00 UTC
    - [Draft Announcement/Working Document](#)
- Next call
  - Oct 1, usual time
- Infographic Update
  - Licensing has been added to the Infographic
  - French translation has been completed.
  - A wide-screen slide deck template has also been created and will be shared via the mailing lists, and possibly in the RDA website..

July 7, 2020

- Infographic Updates
  - Latest [Version](#)
  - Comments
    - Add a little more white space between 2 columns of the Key Recommendations section
    - Create a landscape version for screens.
    - RDA logo at the top / also you might need a high resolution RDA logo (the one at the bottom is not good quality) you can find the .epshere https://rd-alliance.org/about-rda/communication-kit
    - Suggestion that each subgroup section of the guidelines be linked from the infographic
    - Consider changing the title: "COVID-19 Recommendations and Guidelines on Data Sharing" to "Recommendations and Guidelines on COVID-19 Data Sharing"
    -
- DS Wizard Updates
  - Mary & Meghan will be meeting with Stephanie re atomizing/not the Indigenous Data section.
  - Some elements of the Community Participation section has been added, but not all.
    - Would it be possible to take a sprint approach to the various sections?
  - Hosting of the COVID-19 version of the DS Wizard

- ■ Who/Where?
  - ● Should be able to host in the current location (Tech U of Prague/ELIXIR), but it would also be downloadable and hostable elsewhere.
  - ● Prefer to avoid requirement of login to access
  - ● Will need to look at options for distribution of outputs.
  - ● We can ask for usage statistics from our ds-wizard instance.
- ● Mindmap Updates
- ● Consider metrics on use for each tool for impact assessment

Jun 30, 2020

- ● Editorial team told Rob that there will not be a way of linking into the PDF directly using PIDs. Nevertheless, there may be a way to link into the PDF using at least page numbers.

Jun 23, 2020 - Decision Tree Team Call

Present: Leyla Garcia, Meghan Underwood, Mary O'Brien Uhlmansiek, Amy Pienta, Kheeran Dharmawardena, Timea Biro, Brian Pickering, Piotr Wojciech Dabrowski, Robyn Nicholson, Rob Hooft, Christian Ohmann, Mark Leggott, Claire Austin, Dawei Lin, Hilary Hanahoe
Apologies:

1. Initial draft Infographic
   a. [PDF version](#)
   b. Initial comment re the colour being a bit stark.
   c. Each group should be allowed to check their 2 sentences.
   d. Additional comments be added here, or sent directly to Mark.
   e. Could have a brief description of the nature of the work, and why it was done. This could go in the Background block, or as a separate paragraph at the top of the 2nd page. Something like: "The group was created as a response to the challenges posed by data in the middle of the pandemics."
   f. Links would be useful & the DOI
   g. And intro on the topics & cross-cutting themes might be necessary

   h. This lifecycle is not limited to Research. It is a general data analysis lifecycle. The recommendations are also not only for those doing research. So I think we should de-emphasis the research focus. [KD]

          i.   There are recommendations regarding to publishers on the Software chapter that would be good to capture in the infographics

2.   Action Item Updates: Each person was to clone the Knowledge Model and test adding content from the document; correlate clone to section of the document
     a.   Indigenous Data section was added in - specific comments.
           i.   **Indigenous Data Test-COVID-19 Recommendations**
          ii.   Issue was that any consideration of indigenous data would involve reading the full 3-page section.
        iii.   Mary did take a stab at breaking it out, so people should take a look.
              1.   See Chapters for Researchers (introduction info added only for response to data prompt), Policy makers (full section added based on answer to policy prompt)

3.   [Taxonomy](#)
     a.   Email outline copied below
     b.   Example of tagging (attempt to apply to Indigenous Populations section): https://drive.google.com/file/d/1iupTrh0pyAuK9lY5rQsKxiiP-8pXojNi/view?usp=sharing

Suggestion to limit the tags used to
- Themes (column G)
- Stage in the research life cycle / workflows (column H)
- Genericity (column M)

There is a bit of overlap in the categories…

Choosing the Themes tags (column G) over the Domains (columns E & F) makes more sense as these are more tailored to the content and support the reasoning behind the WG approach to domains & cross-cutting themes, plus much easier to do. If we change our minds, I guess the Frascati one can also be added at a later point in time.

The High-level category (column B), I think, is implied in the Genericity tags, and I see the Genericity ones as more useful, these would answer to much of the feedback we received on the document (an additional suggestion would be to relabel that to Specificity).

Considering the way the knowledge model is built I don't think adding the Actors / stakeholders (column C&D) brings additional value as they already respond to that as the first question/ branch …

I am still in doubt regarding the Type of resource (column I) tags but that's only because for the Community Participation content these might be less relevant, but that is probably not the case for the other themes / subgroups. I welcome your thoughts on this.

The Jurisdiction / hierarchy of obligations tags are also very specific so I'll let Brian make a call on those. If you think these are too specific to consider in this initial exercise, maybe we can discuss this for a second iteration of the tags. I'll leave that call up to you.

Next call will be July 7, same time.

Jun 16, 2020 - Decision Tree Team Call

Present: Leyla Garcia, Meghan Underwood, Mary O'Brien Uhlmansiek, Amy Pienta, **Kheeran Dharmawardena**, **Timea Biro**, Brian Pickering, Piotr Wojciech Dabrowski, Robyn Nicholson, Rob Hooft, Christian Ohmann, Mark Leggott
Apologies: Claire Austin, Dawei Lin, Hilary Hanahoe

4. DS Wizard demonstration by Rob Hooft
   a. Does not require Yes/No questions - can present "branches" to follow (e.g. "if you are re-using data…")
   b. Facilitates users to develop their own specific set of guidelines from the doc
   c. Could add national layer to create a specialized knowledge model, and merge later into master knowledge model
   d. Mark-up methodology?
   e. Action Item: Each person creates a clone of the Knowledge Model and tests adding content from the document; correlate clone to section of the document

Jun 9, 2020 - Decision Tree Team Call

Present: Anne Cambon-Thomsen, Christian Ohmann, Timea Biro, Leyla Garcia, Piotr Wojciech Dabrowski,
Apologies:

1. Updates
   a. Wizard Tool
      i. Creating the structure
         1. JSON (aka DS Wizard)
            a. The DS Wizard is the "editor" for its own data models, which can then
         2. RDF
            a. May be able to use a tool like VIVO to create tagging by using one or more ontologies to ensure
      ii. Exporting/Serializing
         1. Whichever canonical format is used, there would need to be ways to export these for other use cases.
   b. Infographics
      i. [Proposal](#) for Infographics
   c. Mindmanager

2. Taxonomy/Tags Update
   https://docs.google.com/spreadsheets/d/1gjwpDgOPcP6Yv0v-JUVFJp77tdKKCq9tp8dy0M7raww/edit?usp=sharing

3. Journal Article
4. Next Steps
   a. Team members will look at the taxonomy sheet and add any additional comments.
   b. Rob will discuss with the Dev team re outputting
   c. Team members will create a DS Wizard account in prep for the next week's call.
      i. DS Wizard guidance from Rob Hooft: If anyone is looking for "how-to" guidance, there are manuals at https://ds-wizard.org/resources.html; including a webinar show-and-tell on how to use the knowledge model editor: https://youtu.be/aGpr6JFMuiE?t=2061
   d. Timea will reach out to the WG moderators and ask if they have any additional feedback.
   e. Leyla will look at the export from

Jun 2, 2020 - Decision Tree Team Call

Placeholder Agenda and Minutes

1. Infographic Leads Call Summary
   a. See Notes
   b. Discussion and Feedback
      i. Question re adding infographics for thematic sections (4) and/or the 4 cross-cutting sections. This could be a question to a designer given the internal 2-pager that will be prepared.
   c. Next Steps
2. Mindmap Leads Call Summary
   a. See Notes
   b. Discussion and Feedback
   c. Next Steps
3. Wizard/Navigation Tool
   a. See Notes
4. Annotation tools -
   a. Examples: https://web.hypothes.is/#features and https://textile-lang.com/ and TextAE
   b. Atomisation is needed - RH has done it for the Clinical section and confirms it is feasible (might require additional discussions with the sub-groups)
5. Next Steps

a. Need to be clear about the function each of the 3 tools addresses, so that we have 3 complementary tools, rather than 3 tools that each do something similar, but in a different way.
   b. Infographic
      i. Has a clear function in providing a promotion, or high-level guide, to the outputs.
   c. Mindmap & Wizard
      i. These could both be considered as providing a similar function, but in a different way.
   d. Testing Tasks
      i. Can the "backend" JSON representation of the DS Wizard be used in the context of a Mindmap.
      ii. Can this JSON then be converted to an OPML or CSV file?
      iii. Can this JSON be converted to one of the proposed Mark-up languages?
      iv. Timea will produce a spreadsheet version of the Taxonomy that has been started and send the link - [https://docs.google.com/spreadsheets/d/1gjwpDgOPcP6Yv0v-JUVFJp77t dKKCq9tp8dy0M7raww/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1gjwpDgOPcP6Yv0v-JUVFJp77tdKKCq9tp8dy0M7raww/edit?usp=sharing)
      v. The group will consider other annotation tools, mark-up approaches, etc. and bring those to the next call.
      vi. Mary will create a mailing list for the group - group name will be RDA COVID-19 Visualisation Team: **rdacovid19-visualisation@rda-groups.org**
6. AOB
   a. What does "23 things" do now? They have 200 things now to select, and also start thinking about translating them.
      i. Is there a way to intersect with this effort? They are also looking at a database back-end for their effort.
   b. Could there be a use for Covid-19 cognitive city?
      i. A semantic repository that may have some value in this context?
7. Next Meeting
   a. Rob likely won't be able to join that one.

Jun 1, 2020 - Infographic Leads Call

Placeholder Agenda and Minutes

Present: Amy, Mark, Brian

1. Infographic Examples
   a. Some sample infographics for inspiration have been added to the Team folder.
   b. ICPSR example: https://www.icpsr.umich.edu/web/pages/NADAC/infographics.html

2. Approaches
    a. General
        i. Use to attract people into the guidelines, or explain the nature of the Guidelines - A Zoomed Out view if you will. The 2 examples below are from the ICPSR site, and speak to a simple infographic that has a single overarching message, along with a sense of the thematic areas, and then a drill down for more detail.
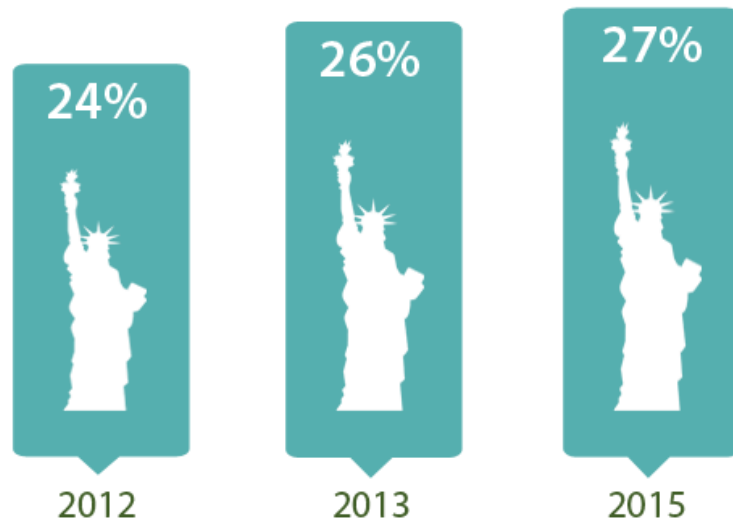

In 2014, nearly **108 million people** personally performed or created artworks

45% of U.S. adults

Source: Annual Arts Basic Survey, 2014
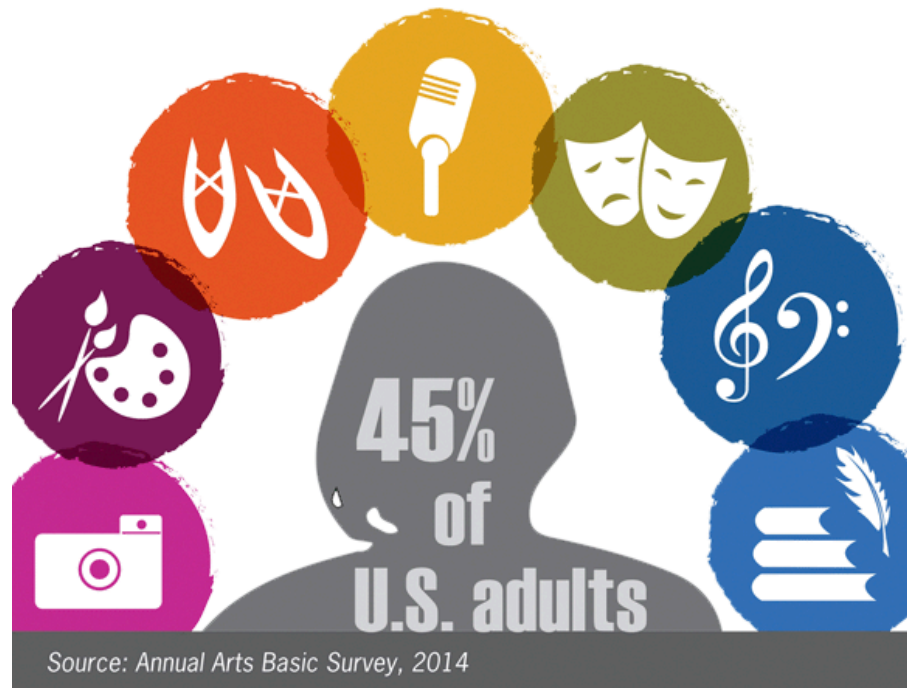
        ii.

Gradual upward trend in visits to buildings, neighborhoods, parks, or monuments, 2012-2015

24% — 2012
26% — 2013
27% — 2015

U.S. adults who visited sites for their historic or design value

Sources:
Survey of Public Participation in the Arts (SPPA), 2012
Annual Arts Basic Survey (AABS), 2013
Annual Arts Basic Survey (AABS), 2015

iii.
iv.   General with Explanation of each of the thematic areas.

1.

TOP 10 TIPS
If you have large file systems

Understand Your Data to Unlock its Value
Visualization of your data environment provides the necessary insights to understand and to unlock the value of your data.

1

Moving Data Sets to the Optimal Location
Metadata file analytics can segregate your hot and cold data. With these actionable insights, move the data sets to the optimal location to transform it into a strategic asset.

2

Modernize your Data with Custom Tags
Custom metadata tags provide a strong infrastructure for deep analysis, reports, and the ability to make intelligent business decisions.

3

Maintain Business Performance
Usage of advanced technology that scans millions of files per hour can help to meet the cutover timelines of the organization.

4

Use Automated Policies to Reduce Risk
Large scale migrations require automated policies to mitigate risk, ensure standardization for petabytes of data.

5

6

Single Software to move CIFS and NFS
For a seamless and successful data migration, data admins must use a single software that can deal with CIFS & NFS effortlessly.

7

Proper Authorization and Data Security
It is crucial to prevent unintentional disclosure of sensitive data and maintain compliance. Your data can be protected with the implementation of standardized policies for peephole protection, data authorization, and data security.

8

Transition onto Agile Large File System
Storage solutions for petabyte scale data should ensure that CPU efficiencies, low latency, and scalable petabyte storage are available for the end user.

9

A Reliable Migration Strategy
Once the optimal file system has been chosen, it is imperative to have a proven and reliable strategy in place.

10

CIFS & NFS users can also employ StorageX
These challenges and steps taken are not only for successful data management on large file systems. They are also applicable to all CIFS and NFS users as StorageX is proven to be successful for both.

Data Dynamics is a leader in intelligent file management solutions that empower enterprises to seamlessly analyze, move, manage and modernize critical data across hybrid, cloud and object-based storage infrastructures for true business transformation. Its award-winning StorageX platform eliminates vendor lock-in and provides a policy-based, storage management platform to provide the insight, agility, and operational efficiency to transform your data assets into competitive advantage. Used today by 26 of the top Fortune 100 companies, StorageX has optimized more than 350 PB of storage, saving more than 170 years in project time and $170+ million in total storage costs.

For more information, please visit: www.datadynamicsinc.com.
Data Dynamics, Inc. · 101 Cedar Lane, Suite 102 · Teaneck, NJ 07666 · 713-491-4298

2.
3. One approach with the legal example would be to have some key text/icons in the middle, with 8 blocks on the top and bottom for each of the 8 themes from the Executive Summary.
4. The 10 Tips example could use a central image theme like the "8", around which the 8 thematic areas would be placed.

b. Infographics by Actors
   i. Approaches

1. Could also use the "10 Tips" example, or the linear approach below as an approach.

2.
3. Make sure to use the same graphical approach/design for each of an actor-specific
4. Idea to use ICPSR example #1, with an indication of the core goal of sharing while protecting privacy:
   a. 1 hand protecting data, the other open hand sharing the data. This would be the same for each actor, but the text at the top and the image icons around the central piece would change: life cycle for a researcher.
5. The visual mechanism should also encourage other actors to view the COVID-19 landscape through that communities

ii. Researcher
   1. Data Generators
   2. Data Users
   3. In this example the research life-cycle could be used as the linear sequence.

iii. Funder
   1. Could also use a "Building Infrastructure" context as the basis.
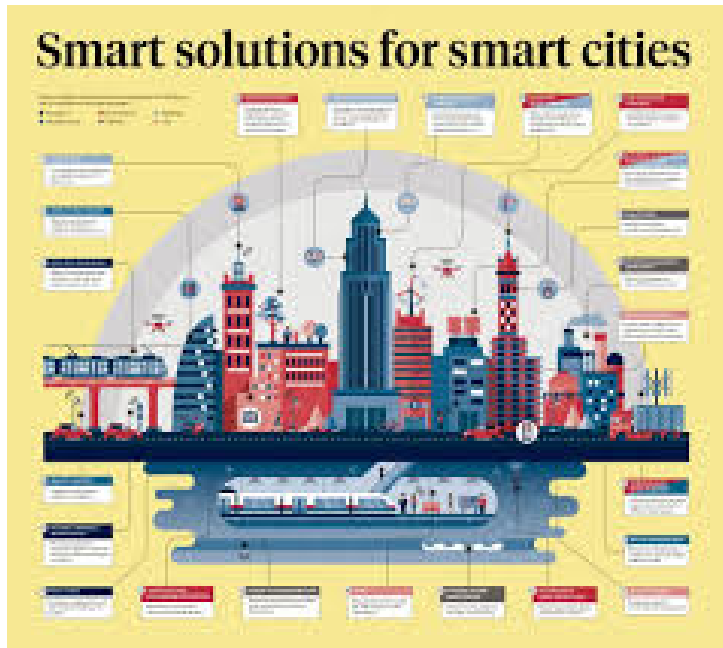
              2.
        iv.   Policy Maker
              1.   Could also use the "How a Law is Made" example, but in this case
                    "How a Policy is Made"
        v.   Providers of Data Sharing Infrastructures
              1.   Data Aggregator
              2.   Curator
              3.   Repository
              4.   This example could use the new TRUST Principles as the linearity
                    context.
        vi.   Publishers
              1.   This could use the sequence of steps in the review pipeline.
        vii.   Citizen
              1.   One option would be to use the lens of the CARE Principles to
                    illustrate the perspective of a community and/or an individual.
   3.   Next Steps
        a.   Discuss examples and approaches with the Decision Tree Team.

May 28, 2020 - Mindmap Leads Call

Agenda and Minutes
Present: Mary, Timea, Mark, Leyla

   1.   Summary
   2.   Types of solutions -
        a.   Mind map - visuals / spider leg visuals

        i.   Mindmeinster - require subscription for export as PDF and collaborative work

  b. Concept map with functionalities e.g. associate links, tags, timelines etc

        i.   MindManager - enterprise-level app that allows you to apply taxonomies, URLs, etc.

              1. allows collaborative work

              2. can be embedded on the RDA website

       ii.   Examples of Mindmanager maps.

              1. [Canadian COVID-19 map](#)

              2. [RDC Roadmap map](#)

  c. Desired Features

  d. Requirements for an interactive mind map and/or decision tree

        i.   Version of the Guidelines that has been converted to individual objects.

       ii.   Adding Tagging

      iii.   Translating guidelines/recommendations to a form that can feed a tree

              1. Questions & Associated answer(s)

  e. Tags(see annotation option https://web.hypothes.is/#features)

              1. High-Level

                  a. Guideline

                  b. Recommendation

                  c. Resource

              2. Actors/Stakeholders

                  a. Researcher

                      i.   Data Generators

                    ii.   Data Users

                  b. Funder

                  c. Policy Maker

                  d. Providers of Data Sharing Infrastructures

                      i.   Data Aggregator

                    ii.   Curator

                   iii. Repository

                  e. Publishers

                  f. Citizen

              3. Domain

                  a. High-Level Taxonomy of Domains? (e.g. [Frascati Manual](#))

Board Classification	Relevant Second-level classification (If any)
1. Natural Sciences	1.2. Computer and information sciences 1.6 Biological sciences
2. Engineering and technology	2.6 Medical engineering

3. Medical and health sciences	3.1 Basic medicine 3.2 Clinical medicine 3.3. Health sciences 3.4 Medical biotechnology 3.5 Other medical sciences
4. Agricultural and veterinary sciences	-
5. Social Sciences	5.1 Psychology and cognitive sciences 5.2 Economics and business 5.3 Education 5.4 Sociology 5.5 Law 5.6 Political science 5.7 Social and economic geography 5.8 Media and communications 5.9 Other social sciences
6. Humanities and the art	6.3 Philosophy, ethics and religion

      b. COVID-19 WG Themes
         i. Clinical
         ii. Omics
         iii. Epidemiology
         iv. Social Sciences
         v. Community Participation
         vi. Legal & Ethical
         vii. Indigenous Populations
         viii. Research Software
4. Stage in research life cycle/Workflows
      a. UK Data Service
        https://www.ukdataservice.ac.uk/manage-data/lifecycle.aspx
5. Type of resource
      a. Repository
      b. Standard
      c. API
      d. Policy
      e. Legal
      f. Ethics
      g. Recommended Practice
      h. Best Practice
      i. Dataset
      j. Principles (e.g. FAIR, CARE, TRUST)

k. Code
6. Type of file/data output (TBC)
7. Jurisdiction / Hierarchy of obligations
    a. Global frameworks
    b. Region
    c. Country
    d. Funding mandate
    e. Ethics bodies
        i. ERC/ERB/IRB
    f. Organization
    g. Other Legislative/Quasi-Jurisdictional Framework
        i. Professional framework

Points to consider:

- Integration with Google drive / docs and other
- Subscription costs and functionalities after the end of subscription for maintenance reasons / An initial trial version can be use, there is also the possibility of acquiring some free licenses

May 26, 2020, 15:00

Agenda and Minutes

2. Updates on Models/Examples
    a. Any updates?
3. Approaches to Decision/Navigation Tools
    a. Infographics Approaches
        i. Researcher
            1. Data Generators
            2. Data Users
        ii. Funder
        iii. Policy Maker
        iv. Providers of Data Sharing Infrastructures
            1. Data Aggregator
            2. Curator
            3. Repository
        v. Publishers
        vi. Citizen

b. Mindmap and/or Wizard Tool
    i. Adding structure to the Guidelines/Recommendations
        1. What constitutes an individual item or entities?
        2. One approach might be to clone the 5th release and mark-up with structural elements as a test.
    ii. "Tags" for entities (see annotation option https://web.hypothes.is/#features)
        1. Guideline, Recommendation, Resource
        2. Actors/Stakeholders
        3. Domain
            a. High-Level Taxonomy of Domains? (e.g. Frascati Manual)
            b. COVID-19 WG Theme
        4. Stage in research life cycle/Workflows
            a. UK Data Service https://www.ukdataservice.ac.uk/manage-data/lifecycle.aspx
        5. Type of resource
            a. Repository
            b. Standard
            c. API
            d. Policy
            e. Legal
            f. Ethics
            g. Recommended Practice
            h. Best Practice
            i. Dataset
        6. Type of file/data output
        7. Jurisdiction
            a. Region/Country
    iii. Use Cases as Pathways
        1. Researcher Use Cases
            a. Should not be a limiting factor or consideration in the early stages.
        2. Model use cases in a mindmap?
c. Leads for Next Steps
    i. Infographic
        1. Leads
            a. Amy
            b. Brian
            c. Mark
    ii. Mindmap
        1. Leads
            a. Timea

           b. Mark
           c. Mary
               i. May have a university-level student who can volunteer for grunt work where needed
           d. Leyla
       iii. Wizard/Navigation Tool
           1. Leads
               a. Piotr
               b. Rob
               c. Kheeran
           2. Piotr has access to a student who could work on this piece.

When addressing the options consider:

- Existing examples
- Effort: how much work and who can work on this? What is needed from the groups and how easy is it to do?
- Maintenance / Ownership

May 19, 2020

Agenda and Minutes

1. Introductions
2. Function of a Decision/Navigation Tree
   a. General
      i. Goal is to facilitate ease of access to specific guidelines/recommendations/resources in a 10-minute timeframe, by any actor in the ecosystem.
      ii. Can have multiple versions if useful.
      iii. Flexible tool that can be maintained and versioned.
   b. Requirements
      i. One requirement would be an "atomic" representation of the Guidelines elements.
      ii. Desktop + Mobile?
      iii. Must be an interactive (folding?) tree.
   c. Paths
      i. Actors
      ii. Disciplines
      iii. Use cases

      d. Other Requirements
- i. Would be best to keep all the document elements in one tree.
- ii. May need a programmatic approach, using something like D3, although this could present a maintenance issue.
- iii. Where will the tree/tool "live"? Does it need to be integrated in the RDA web platform??

3. Examples of Models
   a. EMBL EBI [Submission Triage Wizard](#)
   b. [DS Wizard](#) (and its final output: an example "[selected applicable recommendations](#)" with default template)
      - i. Recursive questionnaire, formalized decision tree/mind map
      - ii. Formalizing the branch points is more work than drawing up a tree!
      - iii. DS-Wizard was made to be able to do proper collaboration on the "knowledge model" that builds the questionnaires, including version management.
      - iv. So far limited encoding of Draft #3.
   c. Mind Map - [Canadian COVID-19 Ecosystem](#) (pw="covid-19")
   d. Also mind map approach, idea from [software group](#)
   e. Others
      - i. [Plexum Wizard](#)
      - ii. [Zingtree](#)

4. Next Steps
   a. "If we had funding, we would…"
   b. Initial Output
      - i. A visual representation of the document may be an initial deliverable.
         1. Could be an Infographic approach as an initial summary.
      - ii. Migrate the objects in the final version to a "database" backend, as this would be needed for almost any approach.
      - iii. Develop/look for a terminology that can be assigned to each object:
         1. Actors
         2. Domain
         3. Stage in research life cycle
         4. Data challenge
         5. Type of resource

         These can be "branches" as well

5. Next Meeting
   a. Date/time for 3-4 meetings