

Overarching RDA Activities and Landscape

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Landscape of Activities

- Dynamic Development of IGs/WGs
- TAB Clustering of IGs/WGs
- Data Fabric Cluster
- Other Clusters
- Wide Agreements
- Results in Detail (-> Raphael)



- around Plenary 1 RDA started with 5 Working Groups
- now have about 39 Interest Groups, 17 Working Groups & some BoFs
- 1st Science WS demanded us to be bottom-up guess we are



WGs and IGs – natural impression of "chaos"

- RDA as a bottom-up organization needs a "chaotic" element
 - bottom-up principles depend on active and creative minds
 - there needs to be a high degree of openness & neutrality
- now 56 groups (17 WGs and 39 IGs, some BoFs at plenaries)
 - issue 1: no one understands what is happening and how this all fits together
 - issue 2: what is the big coherent message



Bottom-UP Trends



creative minds start working on their babies people tend to work in silos there is overlap and contradiction there is confusion



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Bottom-Up vs. Top-Down

- around Plenary 1 RDA started with 5 Working Groups
- now have about 60 Interest Groups and Working Groups
- 1st Science WS demanded us to be bottom-up guess we are
- so people started to ask: where is structure, where is coordination, etc.?
 - IETF has area directors to guide
- a few milestones to improve balance
 - P2: TAB started work on checking/commenting case statements
 - P3: TAB started discussion about the RDA "landscape"
 - P4: WG Chairs joined to start Data Fabric discussion (one example)
 - P4-5: TAB came up with a "Clustering" proposal



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- start discussing various concepts for structuring and balancing
- which purpose
 - less confusion for newcomers, how to find activities, etc.
 - organize coordination/guidance work from TAB understand overlaps, gaps etc.
 - forced communication between chairs (NO would be pure overhead)
- which way
 - functional vs. life cycle vs. "meaningful dimensions"
 - no classification perfect so give a pragmatic start
- chairs are using functional approach to come interact



TAB Landscape Proposal



TAB Landscape Classification – intuitive?





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Data Creation and Re-Use Cycle in the Labs



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Data Fabric Interest Group



RDA – first Working Group results



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DFIG – grouping of WG/IGs



new in DFIG – Repository Registry



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Publishing Cluster



Other "Clusters"

Community Groups

- Agriculture / Wheat Interop
- Biodiversity
- Structural Biology
- Biosharing Registry
- ELIXIR
- Toxicogenomics
- Metabolomics
- Geospatial
- Materials Data
- Photon&Neuron
- Marine
- History&Ethnogarphy
- Urban Life

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Social Groups

- Community Capability
- Data Re-use
- Data Life Cycle
- Engagement
- Ethical Aspects
- Legal Interoperability
- Data Rescue
- Data Handling Training
- Data for Development
- Cloud Worldwide Training



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Widely agreed in RDA I



- management of data objects is widely type and discipline independent
- still every project defines its own strategies leading to huge stack of software that will not be maintainable

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Widely agreed in RDA II



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RDA Results I: common data model



- PIDs at the beginning of trust chain
- need a worldwide, independent and robust PID system worldwide
- metadata are essential in anonymous data world



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RDA Results II: Data Type Registry

- result: a registry for data types
- simple example: you get an unknown file, pull it on DTR and content is being visualized
- DTR can also be used to describe and re-use semantic content
- no free lunch: someone needs to register and define type
- PIT Demo already working with DTR and NIST is working with communities





RDA Results II: Data Type Registry

- result: a registry for data types
- simple example: you get an unknown file, pull it on DTR and content is being visualized
- DTR can also be used to describe
- and real mpact: automatic processing of any data type by machines and not-knowledgeable persons
 - comes into reach

communities





alization

RDA Results III: PID Information Types

- result: a generic API and a set of basic attributes
- a PID Record is like a Passport (Number, Photo, Exp-Date, etc.)
- if all PID Service-Provider agree on one API and talk the same language (registered terms) SW development will become easy



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RDA Results IV: Practical Policies

- due to unforeseen circumstances work until P5
- Practical Policies = executable Workflow Statements
- result at P5: a set of Best Practice PPs for a number of typical DM/DP tasks (Integrity Check, Replication, etc.)
- currently a large collection of PPs, currently being evaluated
- you could add your policies



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RDA Results IV: Practical Policies

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- result at P5: a set of Best Procti

huge simplification for data stewards tacks (finally feasible quality checks and certification mpact:

- huge step in improving trust one cornerstone towards reproducible data
- \bullet







Uptake plans in EU

- organizing Uptake and Engagement is crucial now also: need to remain sensitive enough to listen & adapt
- heard about concrete adoptions at Sunday (all 4 results)
- joint collaboration calls with e-Infrastructures will come (EUDAT, etc.)
- many information transmission & training meetings are scheduled
 - large European infrastructures in May 2015 (ESFRI, HBP, etc.)
 - National infrastructure meetings (FI February, DE May & November, FR several also around P6, GR planned, others to come)
- also outreach to SMEs and startups is planned
 - discussions with local networks going on in FR, DE, ??
- national RDA related adoptions plans by funders in progress
- EU Work programme 16/17: evaluation of opportunities
- supporting this will cost a lot of time
 - therefore from September on RDA EU support/help team (seniors/juniors)
 - visit of many infrastructure projects in Europe incl. adoption discussions/help

Promiss of RDA



Funders: NSF, EC, AU, Japan, Brazil, DE?, UK?, ZA?, FI?, etc.



Thanks for your attention.

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Next RDA Plenary P6:

23-25. September Paris