

Tuesday, November 29, 2011

cataloguers as the ultimate reasoning machines

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[twitter]At SWIB11: Will be tweeting presentation content at volume for a few mins. Sorry for the inconvenience![/twitter]

folk.ntnu.no/greenall/foaf.rdf#me

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semweb dev / rdf since 2005 / print industry / NTNU ULib 2006 -> infores/ 2012 Statoil...
work full time on semweb projects / Java dev
passions: ultraopenness and structure! / what've we been doing [CLICK]
[twitter]That's ...folk.ntnu.no/greenall/foaf.rdf#me[/twitter]

Accept-Datetime: Wed, 31 Jan 2011 00:06:50 GMT

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Herbert van de Sompel, memento — otherwise ignore
[twitter]Will be working in an industrial RDF project during 2012...after that...library?[/twitter]

linkedopendata@NTNU

- Rådata nå! 1.5 million personal names
 - Norwegian scientific disciplines
 - Norwegian MeSH
- NTNU special collections
- Since 2009...

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NTNU LOD since 2009 / Started with Rådata nå / NorwSciDisciplines / NorMeSH / NTNUSC
NTNUSC is special / talk a bit about it now [click]

[twitter]Take a look at <http://folk.ntnu.no/greenall/gunnerus/search> [/twitter]

special collections?

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Digitized historical manuscripts / new modes of presentation / (new interface)

Contexts / temporal / geographical / biographical

Data-driven application / driven by linked open data / [click] why lod?

[twitter]No, it really is a concept within library science http://en.wikipedia.org/wiki/Special_collections [/twitter]

linked open data?

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MARC didn't work / OPAC access a joke / Z39.50 / SRU don't cut it
why LOD not DB? / lightweight platform / intelligent data / processing in storage
structured data / programmatic access / cloud-based services
access to our data / access to others' data / good-quality data / Practical, but WHY? [CLICK]

[twitter]Apropos of nothing: <http://www.flickr.com/photos/aaberg/3096478928/> (NTNU, where I work) [/twitter]

“to facilitate
unforseen
modes of use”

Laura Smart

<http://library.caltech.edu/laura/?p=244>

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My bullshit on the net / rightly criticized / I'm still right :-)
Trad bibdata four principles find, identify, select, obtain aren't enough anymore
digital tools mean new uses / laura smart at caltech articulates it better
important to see what can be done with data

[twitter]...facilitate unforseen modes of use <http://library.caltech.edu/laura/?p=244> [/twitter]

— meeting today & tomorrow's challenges —
— with grace & efficiency —

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you might like to think of that in this way / sustainable adaptability
i.e. not a record, but “some data”, don't think of it as a record— please

...but

doesn't that mean

guessing?

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No! we're modelling properly / small enough pieces / big enough concepts / good enough language / structured & typed data / logical / documented / open & accesible / messed up? No problem! We can do it all again tomorrow /change it / rework it

[twitter]For an example of not modelling properly: FRBR[/twitter]

I thought that this was about
cataloguers!

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oh, but it is! / why create metadata? / why do cataloguing? / the four principles?
or “unforseen modes of use”?

— the trick is getting cataloguers to see the light —

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and the crux of the matter is that it isn't easy to tell cataloguers that what they're doing isn't working and that they need to do something else. This is what we've been trying to do.

“let’s
not involve
the cataloguers”

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What they risk / something that you’re likely to hear / techies / front desk / buyers etc.
a shame / skills / personalities / but DON’T insist it’s a private domain
intelligent / make connections / create better logics
never met a cataloguer who set out to create bad metadata

*245\$a What cataloguers do

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It's not mystical-mythical / it's structuring data / rules / annotation standards
it's ensuring that you can find, identify, select, obtain...
Nothing "unforseen" anything, alas.

reasoning machines?

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but can we create reasoning machines from cataloguers?

we can / willing to prove it

I embarked on a process / showing that LOD isn't scary / getting cataloguers there

substantial



a step forward

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we started by training non-cataloguers / special collections people
SPREADSHEETS / normalized structured data / names / titles / dates
showed placenames weren't good / geonames IDs instead
Class numbers / LCSH / DDC / linking made easy!

[twitter]Normalization is not something most people understand *shocked*[/twitter]

they saw the light

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they did the work quickly and well / understood IDs as names / understood problems
explanation helps / visualization works best / they get data-driven applications
too much focus on appearance / not enough on logic / not their fault!
[twitter]Very Las Vegas! :(sorry[/twitter]

I thought that this was about
cataloguers!

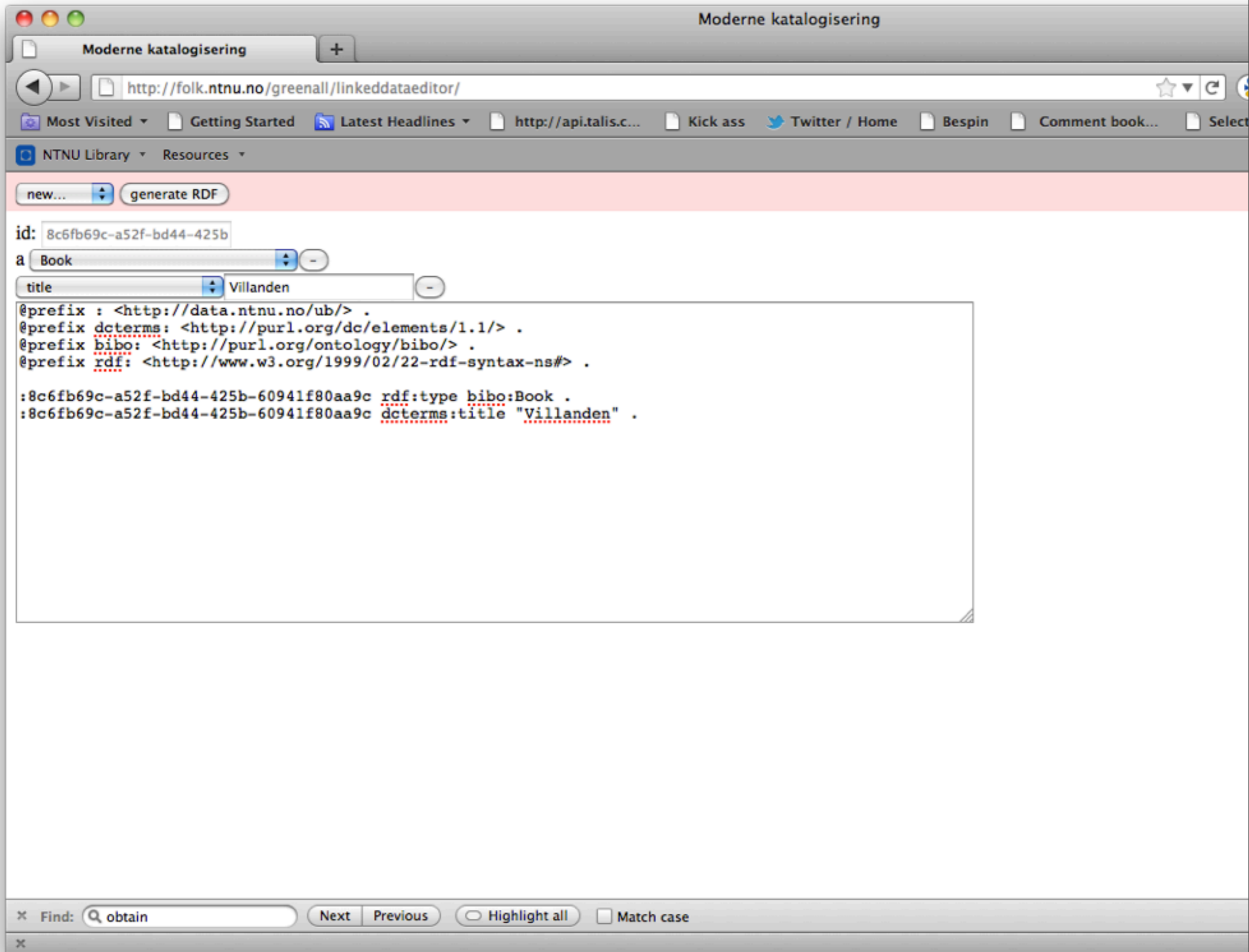
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OK! / so we trained the cataloguers / to show them LOD
a seminar / describing RDF / Openness / why and what gains
describing the project / how LOD helps
abstract and lightweight, we thought [click]
[twitter]I like cataoguers & understand where they're coming from...no, really :)[/twitter]

too complex,
we need something
more
practical

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nevertheless more practical / less abstract / not my way of thinking
back to the drawingboard, which happens to look like this [\[click\]](#)



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Invited metadata section to a practical workshop / voluntary attendance / 100% attendance (8)

This interface is a bit odd / works enough / they understood the concepts they worked with me / in the face of my UI-design ineptitude they catalogued books / all of them / they created RDF

[twitter]You might like to see it <http://folk.ntnu.no/greenall/linkedataeditor> (there are probs, Ikno)[/twitter]



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@prefix : <<http://data.ntnu.no/ub/>> .
@prefix dcterms: <<http://purl.org/dc/elements/1.1/>> .
@prefix bibo: <<http://purl.org/ontology/bibo/>> .
@prefix rdf: <<http://www.w3.org/1999/02/22-rdf-syntax-ns#>> .
:faf380ec-702e-164a-2d9d-27efeb514d94 rdf:type bibo:Book .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:title "Innovasjon som kollektiv prestasjon" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:creator "Aasen, Tone Merethe" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:creator "Amundsen, Oscar" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:publisher "Gyldendal akademisk" .
:faf380ec-702e-164a-2d9d-27efeb514d94 event:place "Oslo" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:dateAccepted "2011" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:extent "340 s." .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:subject "innovasjon" .
:faf380ec-702e-164a-2d9d-27efeb514d94 dcterms:language "nob" .

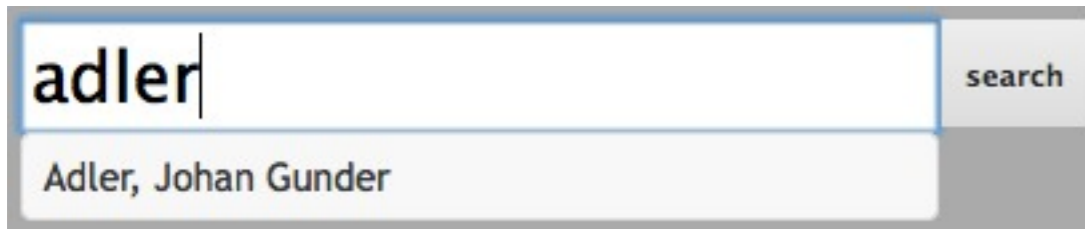
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all eight of them created a catalogue record / like in MARC / but in RDF
A record / ISBD punctuation / same aspects and facets / BUT IT'S RDF! YAY!
They understood that there's more too it (linking) / and wanted to see it
The average age in the room was 55 (two in 30s — me and Lene)

they did it

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but they did do it, every single one. / the next step is to make it easy to add links
what the links are doesn't matter / they use intelligence to do their work
their work is what they need to do to fulfill requirements for cataloguing
we need something else / we need to tell them and enable their work



related things

related events

annotations

widgets

thematic data



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and we can do this / linked data provides simple mechanisms / linking help find contexts / build contexts / add data where it lacks cataloguers have these skills already / let's utilize them / enable them

we can

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we did write a load of UML use cases and ask Talis to help us develop this
too expensive / wrong platform (our fault) / is it necessary (if cataloguers can use MARC)
[click]

should we?

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should they need anything other than turtle & to learn semweb stuff like proper human beings? Stop treating them like 3rd class citizens
Maybe this is what they should learn in library school
Maybe things would look rosier...

[twitter]I don't intend to offend anyone, but we do treat cataloguers like a "special case"[/twitter]

thanks!

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