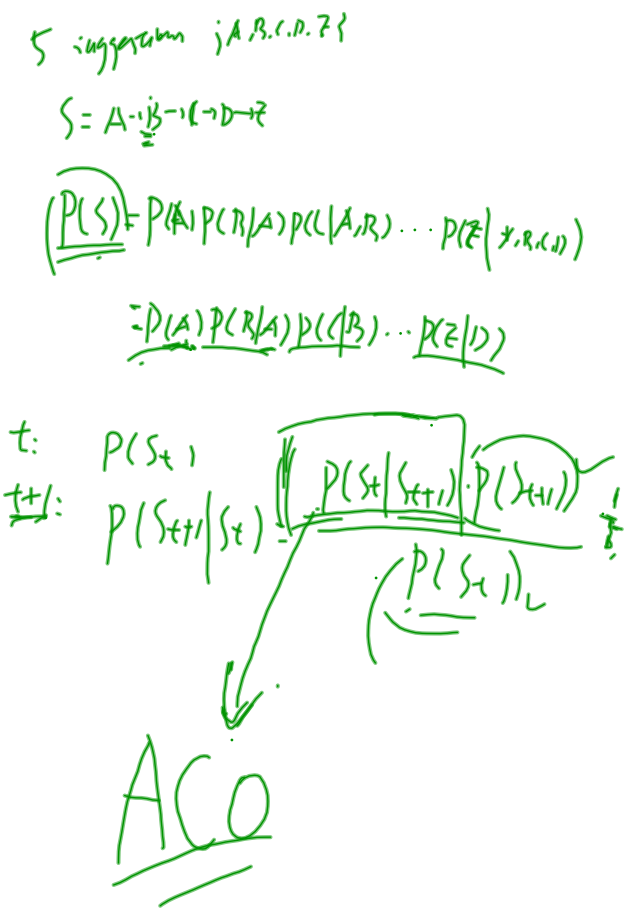
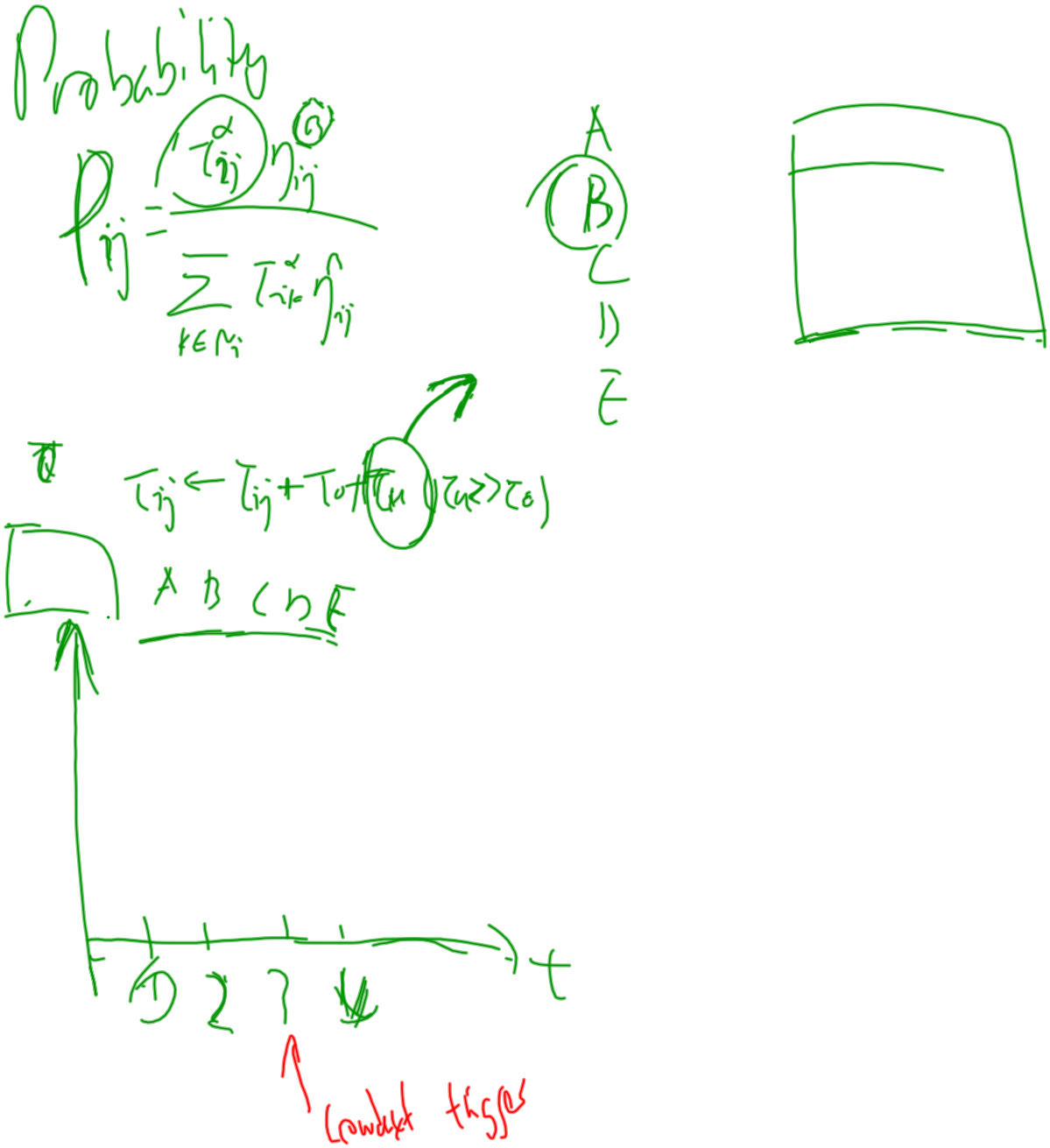
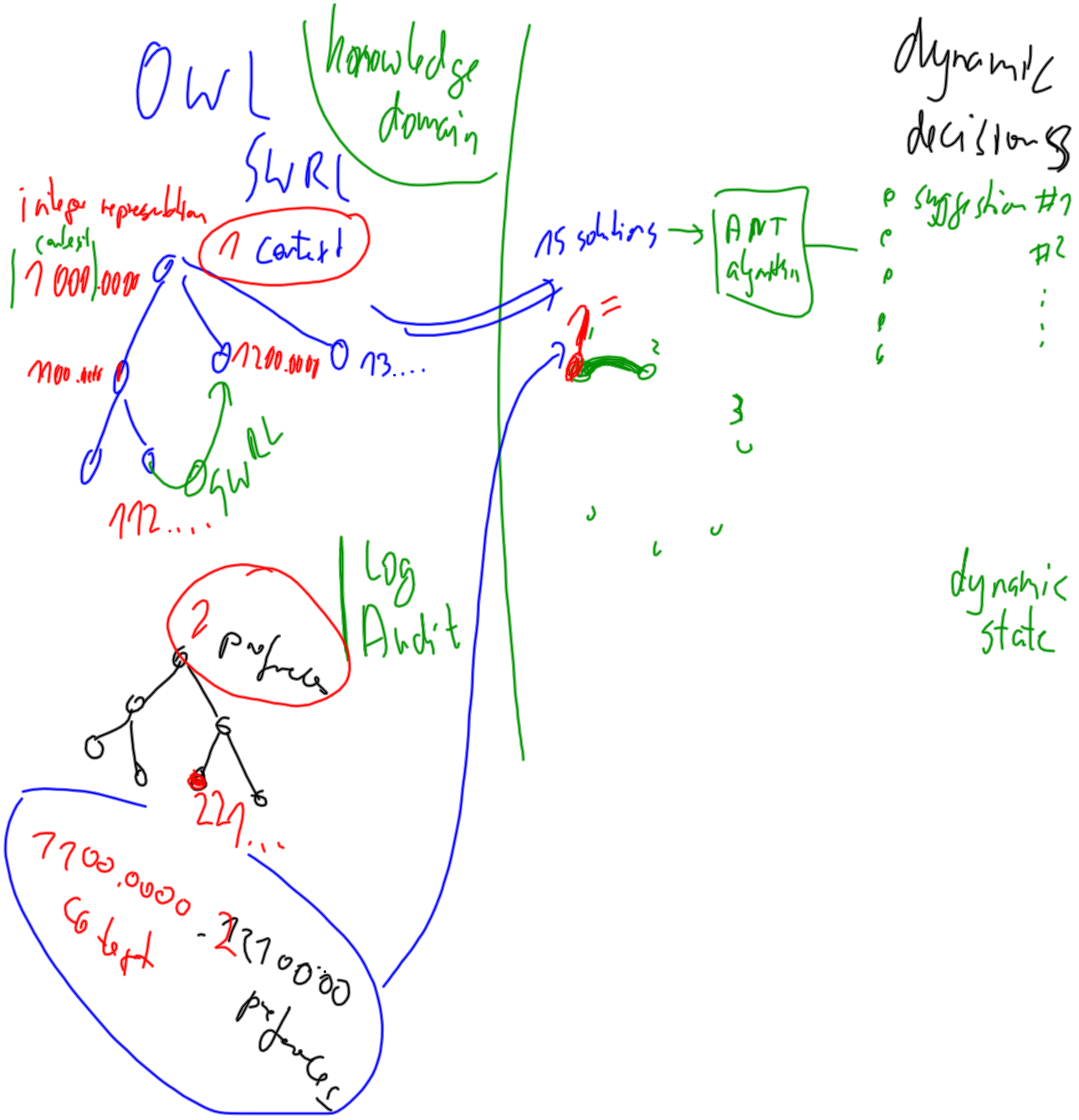



Probability
A
B
C
D
E
Q
A B C D E
t
Conduct things

K-means


OWL
SWRL
knowledge domain
dynamic decisions
integer representation
context
15 solutions
ANT algorithm
suggestion #1
#2
Log Audit
2 profiles
dynamic state

historical decisions

discrete instances

xx/1....

Probability and "group"

⇓

reduce complexity

Next step

Song → interface between the dynamic knowledge and the decision domain

Arne → subset of ontology for e.g. "train drivers"

Susana → implement ontology

Social train ment

1 people (ii) fact

2 destinations

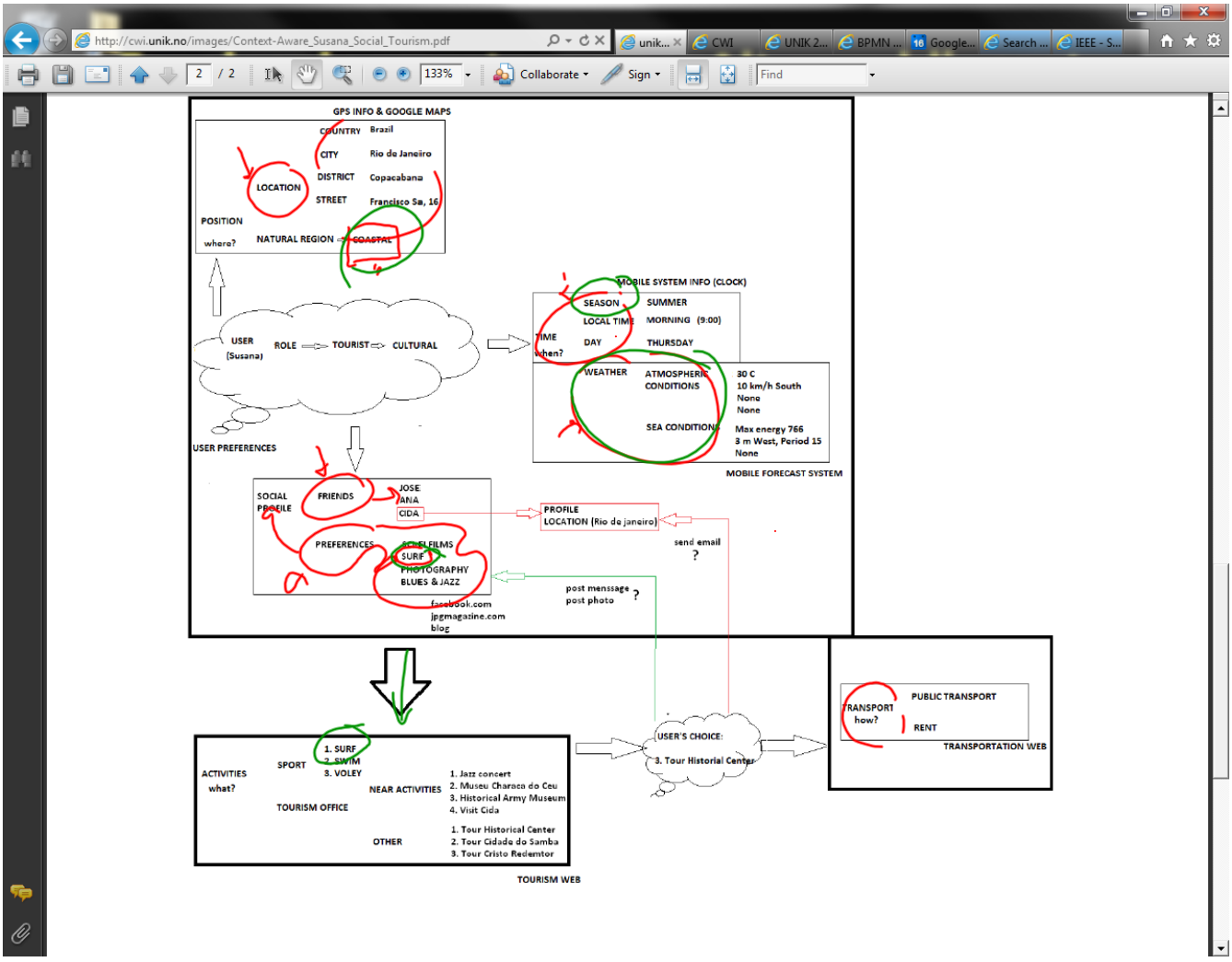
3 time

4 weather

5 relations -> (ii) family, business, social
(i) fox

Rule

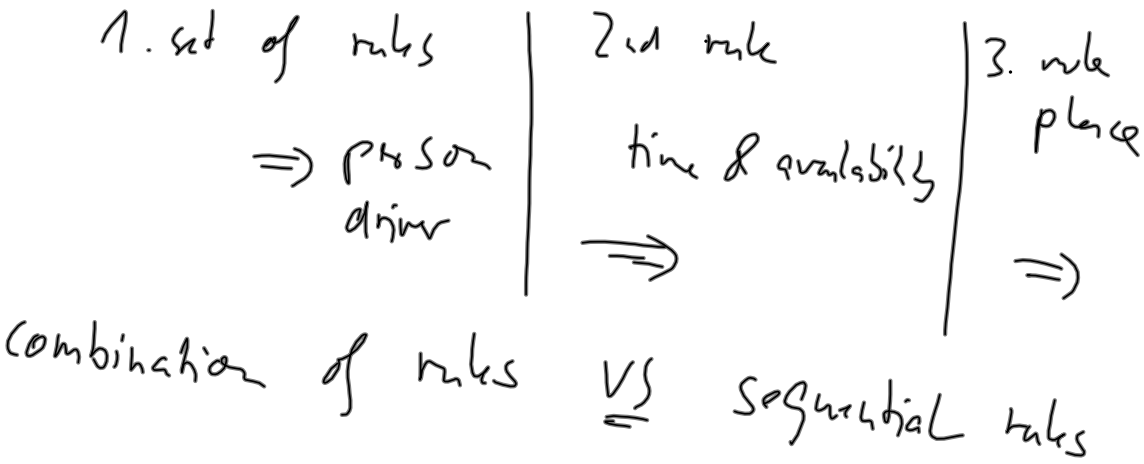
no rain
> no dog
< 15 km
→ cycle

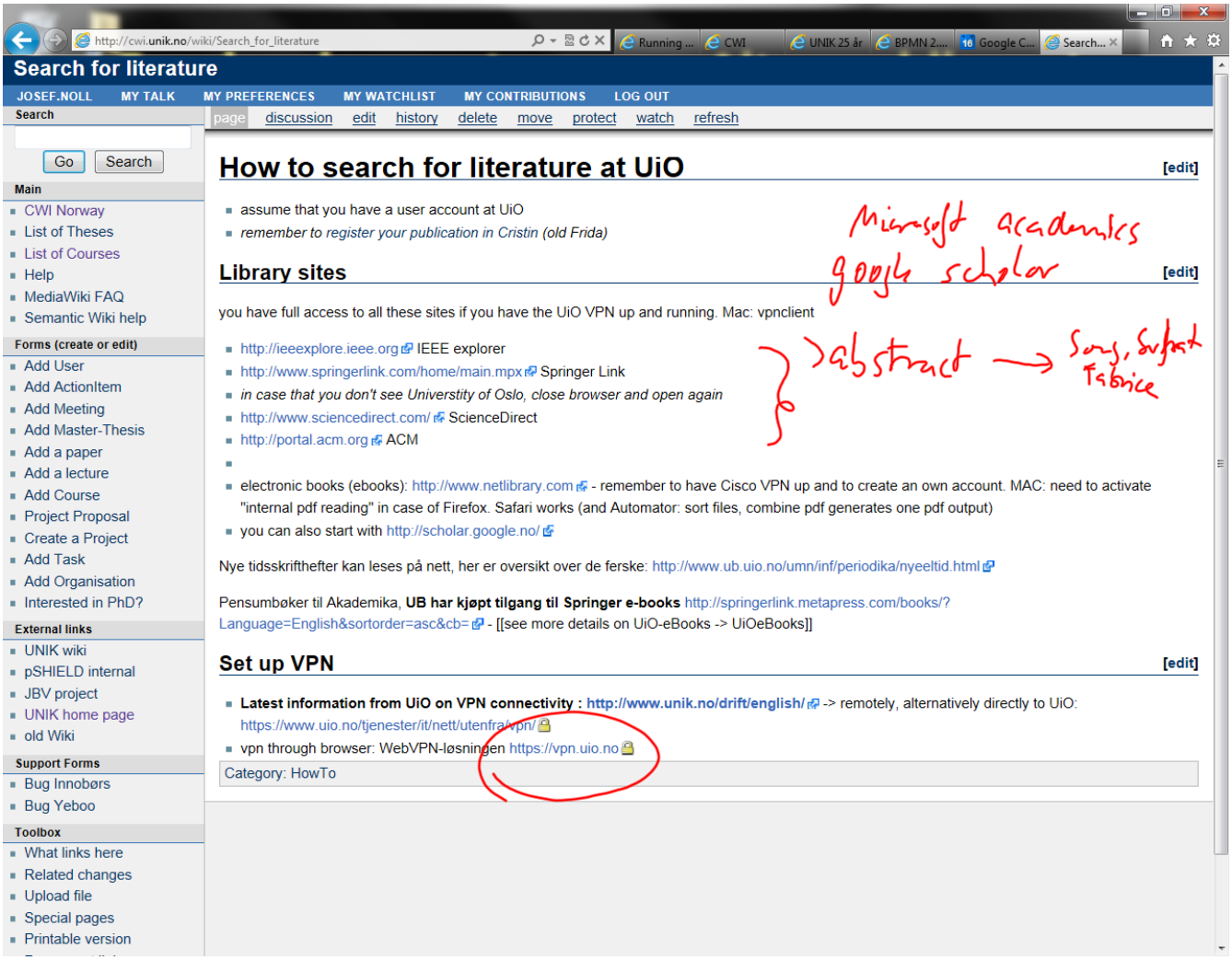

http://cwi.unik.no/images/Context-Aware_Susana_Social_Tourism.pdf
GPS INFO & GOOGLE MAPS
COUNTRY Brazil
CITY Rio de Janeiro
DISTRICT Copacabana
STREET Francisco Sa, 16
LOCATION
POSITION
where?
NATURAL REGION
COASTAL
USER (Susana)
ROLE
TOURIST
CULTURAL
USER PREFERENCES
MOBILE SYSTEM INFO (CLOCK)
SEASON
SUMMER
LOCAL TIME
MORNING (9:00)
TIME
when?
DAY
THURSDAY
WEATHER
ATMOSPHERIC CONDITIONS
30 C
10 km/h South
None
None
SEA CONDITIONS
Max energy 766
3 m West, Period 15
None
MOBILE FORECAST SYSTEM
SOCIAL PROFILE
FRIENDS
JOSE
ANA
CIDA
PREFERENCES
SURF
PHOTOGRAPHY
BLUES & JAZZ
facebook.com
jpgmagazine.com
blog
PROFILE
LOCATION (Rio de janeiro)
send email
?
post menssage
post photo
?
ACTIVITIES
what?
SPORT
1. SURF
2. SWIM
3. VOLEY
TOURISM OFFICE
NEAR ACTIVITIES
1. Jazz concert
2. Museu Characa do Ceu
3. Historical Army Museum
4. Visit Cida
OTHER
1. Tour Historical Center
2. Tour Gidade do Samba
3. Tour Cristo Redemtor
TOURISM WEB
USER'S CHOICE:
3. Tour Historial Center
TRANSPORT
how?
PUBLIC TRANSPORT
RENT
TRANSPORTATION WEB

Future topics

- Preference ontology → review (scientific lit.)
- Context ontology
- Programming interface to ontologies → Dan (Ling)
- Data / Web mode

future plans ++

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Add ActionItem
Add Meeting
Add Master-Thesis
Add a paper
Add a lecture
Add Course
Project Proposal
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Add Task
Add Organisation
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pSHIELD internal
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old Wiki
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Related changes
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assume that you have a user account at UiO
remember to register your publication in Cristin (old Frida)
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you have full access to all these sites if you have the UiO VPN up and running. Mac: vpnclient
http://ieeexplore.ieee.org IEEE explorer
http://www.springerlink.com/home/main.mpx Springer Link
in case that you don't see Universtity of Oslo, close browser and open again
http://www.sciencedirect.com/ ScienceDirect
http://portal.acm.org ACM
electronic books (ebooks): http://www.netlibrary.com - remember to have Cisco VPN up and to create an own account. MAC: need to activate "internal pdf reading" in case of Firefox. Safari works (and Automator: sort files, combine pdf generates one pdf output)
you can also start with http://scholar.google.no/
Nye tidsskrifthefter kan leses på nett, her er oversikt over de ferske: http://www.ub.uio.no/umn/inf/periodika/nyeeltid.html
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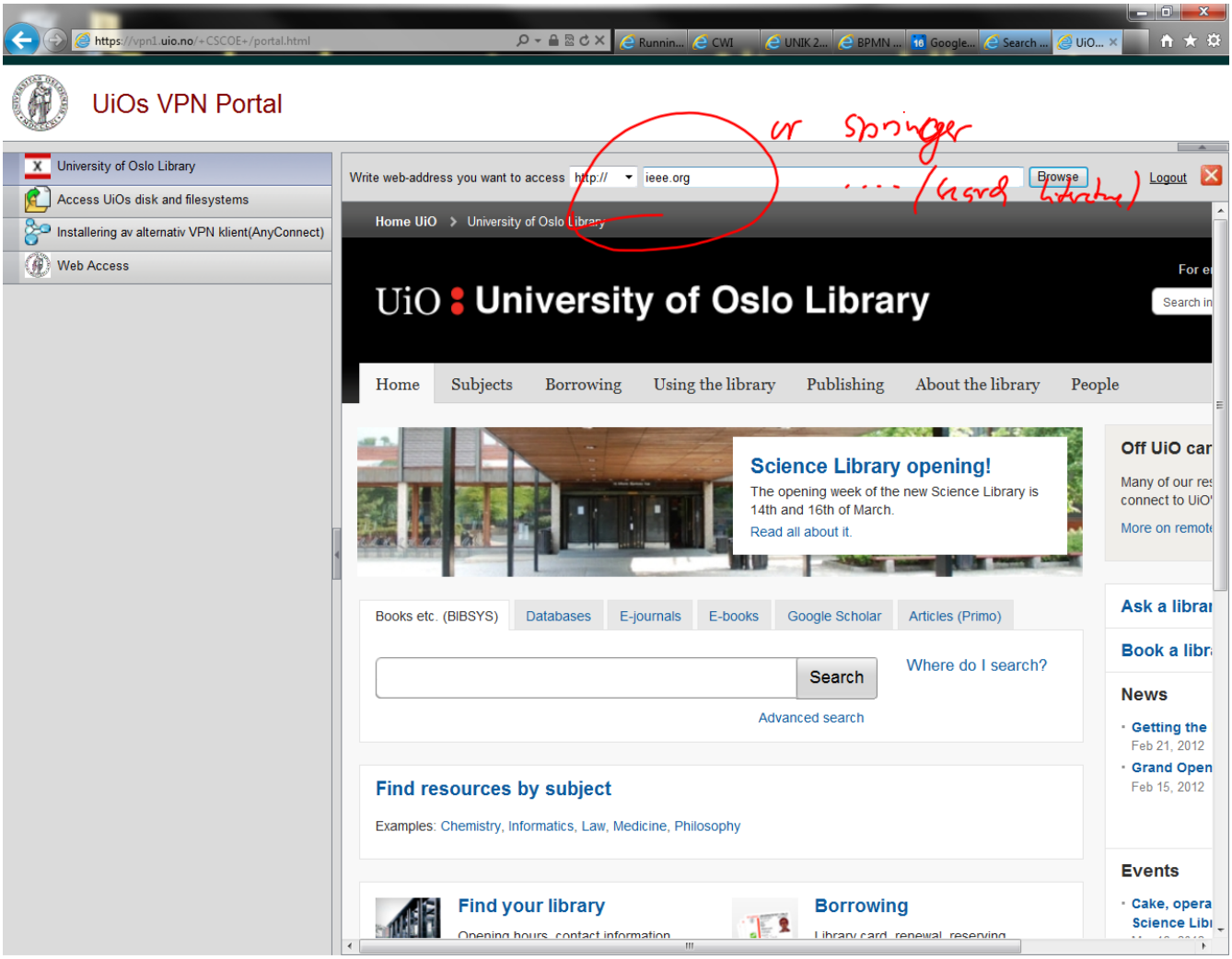
Set up VPN [edit]
Latest information from UiO on VPN connectivity : http://www.unik.no/drift/english/ -> remotely, alternatively directly to UiO: https://www.uio.no/tjenester/it/nett/utenfra/vpn/
vpn through browser: WebVPN-løsningen https://vpn.uio.no
Category: HowTo
Microsoft academics
google scholar
>abstract → Song, Subject Fabrice


https://vpn1.uio.no/+CSCOE+/portal.html
UiOs VPN Portal
University of Oslo Library
Access UiOs disk and filesystems
Installering av alternativ VPN klient(AnyConnect)
Web Access
Write web-address you want to access
http://
ieee.org
Browse
Logout
Home UiO
University of Oslo Library
UiO : University of Oslo Library
Search in
Home
Subjects
Borrowing
Using the library
Publishing
About the library
People
Science Library opening!
The opening week of the new Science Library is 14th and 16th of March.
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Many of our res
connect to UiO
More on remot
Ask a librar
Book a libr
News
Getting the
Feb 21, 2012
Grand Open
Feb 15, 2012
Events
Cake, opera
Science Libr
Books etc. (BIBSYS)
Databases
E-journals
E-books
Google Scholar
Articles (Primo)
Search
Where do I search?
Advanced search
Find resources by subject
Examples: Chemistry, Informatics, Law, Medicine, Philosophy
Find your library
Opening hours, contact information
Borrowing
Library card, renewal, reserving

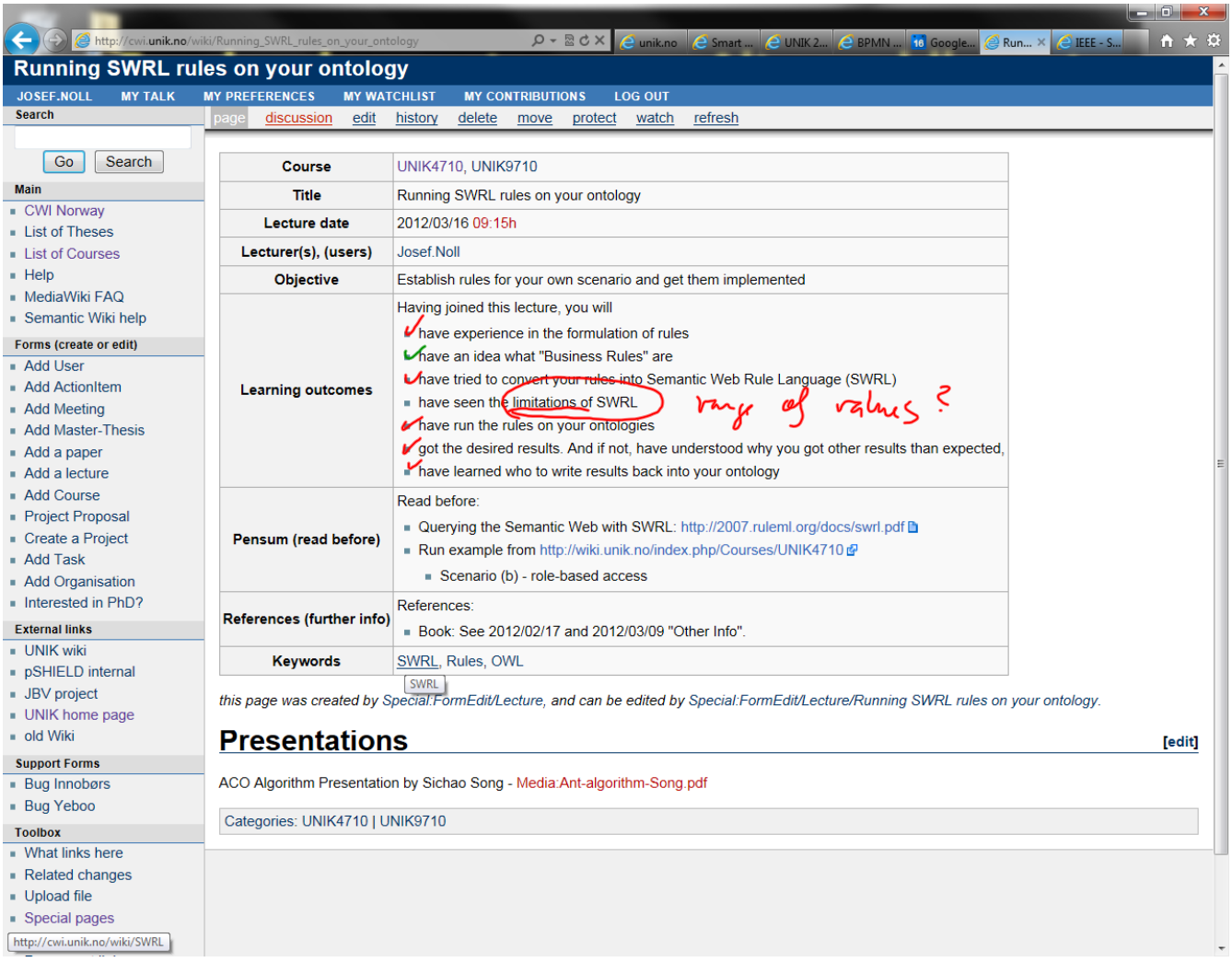
List of limitations in SWRL

number range

Alternatives

less than

greater than


http://cwi.unik.no/wiki/Running_SWRL_rules_on_your_ontology
Running SWRL rules on your ontology
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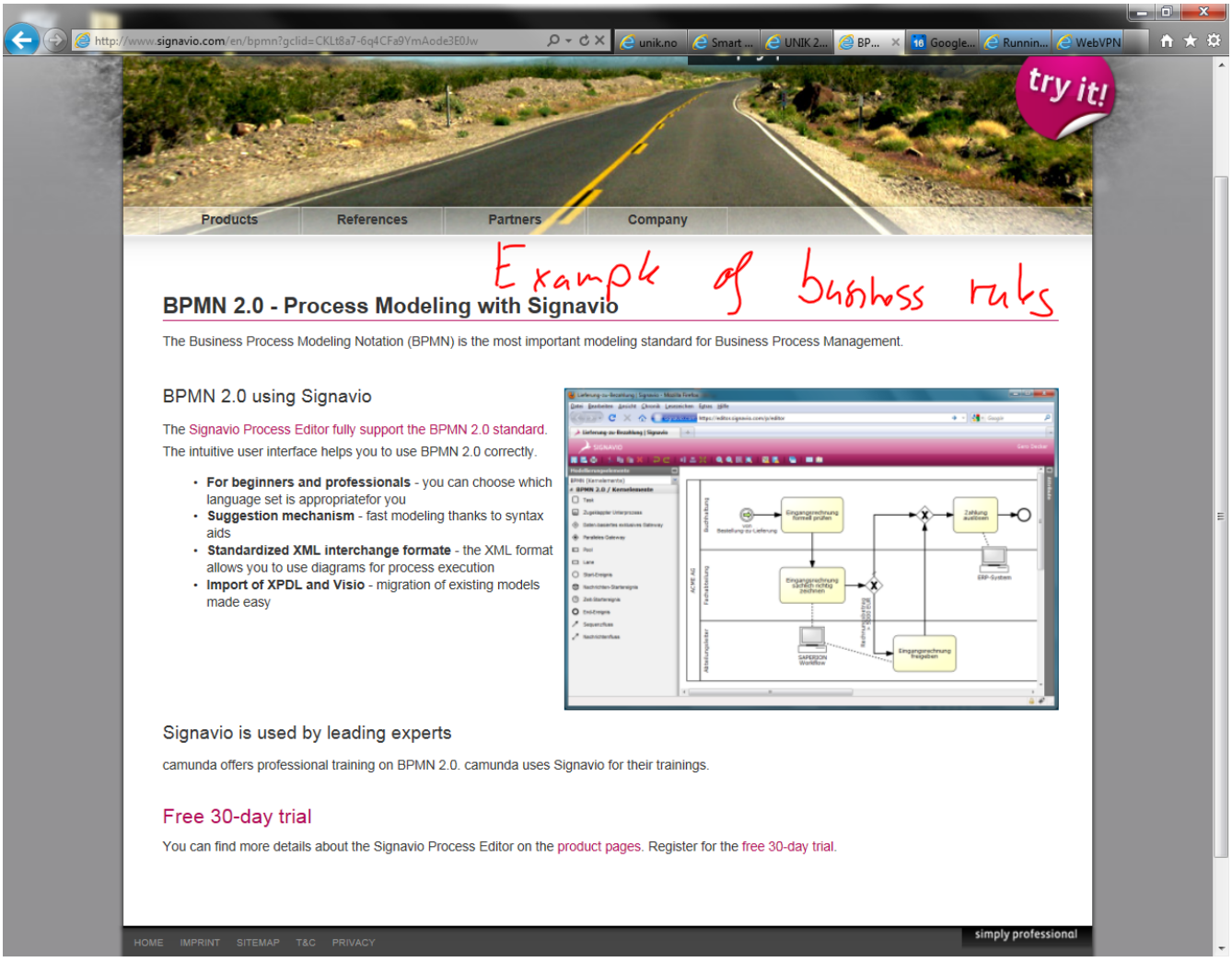
Search
Go Search
Main
CWI Norway
List of Theses
List of Courses
Help
MediaWiki FAQ
Semantic Wiki help
Forms (create or edit)
Add User
Add ActionItem
Add Meeting
Add Master-Thesis
Add a paper
Add a lecture
Add Course
Project Proposal
Create a Project
Add Task
Add Organisation
Interested in PhD?
External links
UNIK wiki
pSHIELD internal
JBV project
UNIK home page
old Wiki
Support Forms
Bug Innobørs
Bug Yeboo
Toolbox
What links here
Related changes
Upload file
Special pages
page discussion edit history delete move protect watch refresh
Course
UNIK4710, UNIK9710
Title
Running SWRL rules on your ontology
Lecture date
2012/03/16 09:15h
Lecturer(s), (users)
Josef.Noll
Objective
Establish rules for your own scenario and get them implemented
Learning outcomes
Having joined this lecture, you will
have experience in the formulation of rules
have an idea what "Business Rules" are
have tried to convert your rules into Semantic Web Rule Language (SWRL)
have seen the limitations of SWRL
have run the rules on your ontologies
got the desired results. And if not, have understood why you got other results than expected,
have learned who to write results back into your ontology
Pensum (read before)
Read before:
Querying the Semantic Web with SWRL: http://2007.ruleml.org/docs/swrl.pdf
Run example from http://wiki.unik.no/index.php/Courses/UNIK4710
Scenario (b) - role-based access
References (further info)
References:
Book: See 2012/02/17 and 2012/03/09 "Other Info".
Keywords
SWRL, Rules, OWL
SWRL
this page was created by Special:FormEdit/Lecture, and can be edited by Special:FormEdit/Lecture/Running SWRL rules on your ontology.
Presentations
[edit]
ACO Algorithm Presentation by Sichao Song - Media:Ant-algorithm-Song.pdf
Categories: UNIK4710 | UNIK9710
http://cwi.unik.no/wiki/SWRL


http://www.signavio.com/en/bpmn?gclid=CKLt8a7-6q4CFa9YmAodе3E0Jw
unik.no
Smart ...
UNIK 2...
BP...
Google...
Runnin...
WebVPN
try it!
Products
References
Partners
Company
Example of business rules
BPMN 2.0 - Process Modeling with Signavio
The Business Process Modeling Notation (BPMN) is the most important modeling standard for Business Process Management.
BPMN 2.0 using Signavio
The Signavio Process Editor fully support the BPMN 2.0 standard.
The intuitive user interface helps you to use BPMN 2.0 correctly.
For beginners and professionals - you can choose which language set is appropriatefor you
Suggestion mechanism - fast modeling thanks to syntax aids
Standardized XML interchange formate - the XML format allows you to use diagrams for process execution
Import of XPDL and Visio - migration of existing models made easy
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camunda offers professional training on BPMN 2.0. camunda uses Signavio for their trainings.
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You can find more details about the Signavio Process Editor on the product pages. Register for the free 30-day trial.
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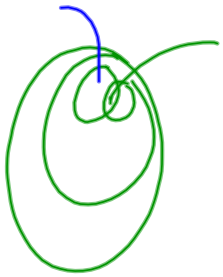

NO: SKAL
: MÅ

END SHOULD
: MUST

REQ

RULE

LO logical
QV quantification

(property)

functional

call is established

GO ↔ BACK

non-functional quality

noise
delay
jitter