

I am a tree reaching for the sun

**A glass of water longing for the ocean**

How will **library as place** and **library as space** blend together in ways that may be contradictory and complementary, and envision new modes of information access and new multimodal literacies enabled by online environments?

- Folksonomy
- Microformat
- Ontology

# 'Discontinuities'

- Web 2.0 applications
- Software as a service
- Global-class computing
- Consumerisation of ICT
- Open source software

# Meta-Communities

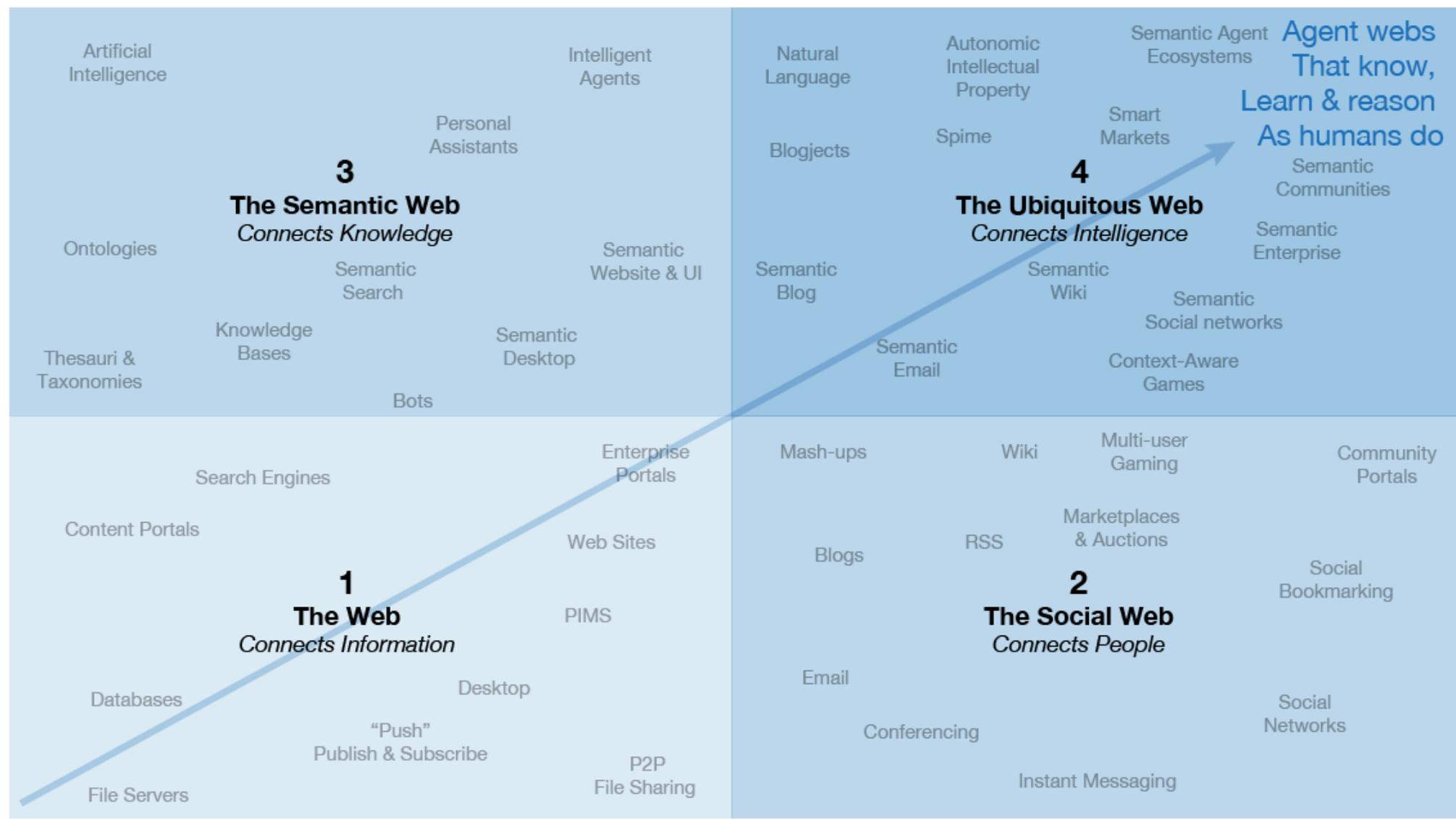


# Scholarship 2.0

- Computer science in the 20th century was about **perfect** solutions in **closed** domains and applications.
- Computer science in the 21st century will be about **approximate** solutions and frameworks that capture the relationships of partial solutions and requirements in terms of computational costs, i.e., the proper balance of their ratio.



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- In a world of billions of services it may significantly cost too much to find the “optimal” service in relation to the gain of having actually found the optimal solution.
- Pragmatic approaches in service discovery will focus on utility, i.e., stop the search process when a service is found that is “good” enough to fulfill a request.
- Also, it is unrealistic to assume that semantic descriptions of services are correct and complete, i.e., duplicate the functionality of a service at the description level.

- **Service level agreements** (or **goals**) define what has to be provided as result of problem solving.
- Do we request an optimal solution, a semi-optimal solution, or just any solution?

The other day Wikipedia had an open house for their move to San Francisco. Their new digs are cozy, funky, and just right. They had a number of public screens on display in corners of their offices, but one caught my eye. This screen showed a log of edits to Wikipedia in real time. **The edits were happening about one per second, almost faster than you could follow.** As you watched the **improvements to the ultimate book would scroll up off the screen in a blur.** That's the speed of correction. It gave me a sense of the almost animal-like power of the hive mind behind the Wikipedia -- a constant ceaseless buzz of diligence.

<http://kk.org/ct2/2008/04/wiki-correctionstream.php>

I am the rain that's coming down on you



## e-Portfolio

A place for reflection, for recognising learning and presenting that learning.

## PLE

A set of tools presenting learning and for developing (individually or collectively) a representation of wider knowledge sets.

**Release me**

**I am the wilderness locked in a cage  
I am a growing force you kept in place  
I am a tree reaching for the sun  
Please don't hold me down  
Please don't hold me down**

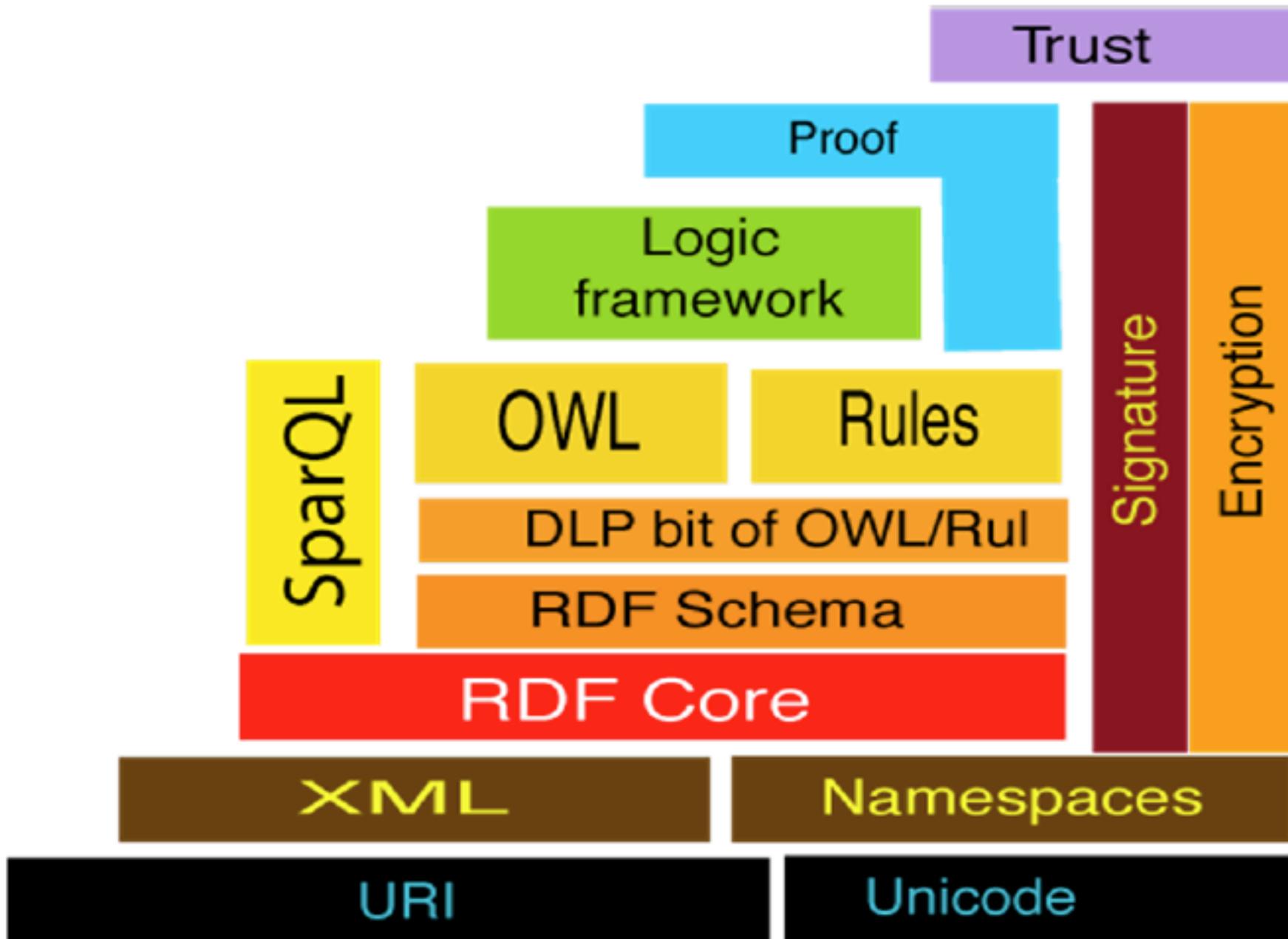
**I am a rolling wave without the motion  
A glass of water longing for the ocean  
I am an asphalt flower breaking free but you keep stopping me  
Release me  
Release me**

**I am the rain that's coming down on you  
That you shielded yourself from with a roof  
I am the fire burning desperately but you're controlling me  
Release me  
Release me**

# Ontology

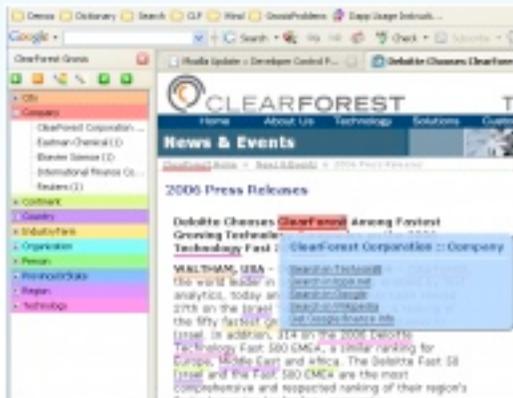
- Entity
- Formal relations
- Vagueness
- Granularity
- Identity and change
- Formal comparison among ontologies
- Ontology of physical reality (matter, space, time, motion)
- Ontology of biological reality (genes, proteins, cells, organisms)
- Ontology of mental reality and agency (beliefs, intentions and other mental attitudes; emotions)
- Ontology of social reality (institutions, organizations, norms, social relationships, artistic expressions)
- Ontology of the information society (information, communication, meaning negotiation)
- Ontology and Natural Language Semantics, Ontology

The rise of ICT, digital repositories, and electronic collaboration in achieving and improving the quality of the scholarly endeavors of research, teaching and learning, and service.



- What holds for simple data look-up holds in an even stronger sense for reasoning on Web scale.
- The notion of 100% completeness and correctness as usually assumed in logic-based reasoning does not even make sense anymore since the underlying fact base is changing faster than any reasoning process can process it.
- Therefore, we have to develop a notion of usability of inferred results and relate them with the resources that are requested for it.

- With the Web we have an open, heterogeneous, distributed, and fast changing computing environment.
- Therefore we need computing understood as
  - A **goal driven approach** where the solution process is only partially determined and actually decided during runtime, based on available data and services.
  - A **heuristic approach** that gives up on absolute notion of completeness and correctness in order to gain scalability.
- The times of 100% complete and correct solutions are gone.



3 reviews

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## Tag Library

View all tags Tag cloud

### Cloud

accidents act activism-and-lobbying adelaide-5000 afghanistan air-and-space-accidents air-transport  
alice-springs-0870 animal-attacks arts-and-entertainment **australia** banking brisbane-4000  
brunswick-3056 **business-economics-and-finance** canberra-2600 china  
climate-change **community-and-society** company-news conservation consumer-protection  
**courts-and-trials crime** currency-markets darwin-0800  
**disasters-and-accidents** diseases-and-disorders doctors-and-medical-professionals dr-congo  
drug-offences economic-trends egypt endangered-and-protected-species england **environment**  
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**government-and-politics** health history human human-interest india  
indigenous **industry** information-and-communication international-aid-and-trade iraq israel italy  
japan judges-and-legal-professionals labor-party **law-crime-and-justice**  
liberal-party medical-research **melbourne-3000** missing-person murder-and-manslaughter  
new-zealand **NSW** nt oil-and-gas olympics-summer papua-new-guinea people **police**  
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tullamarine-3043 unions **united-kingdom united-states** **unrest-conflict-and-war**  
vic workplace-accidents **world-politics** zimbabwe