

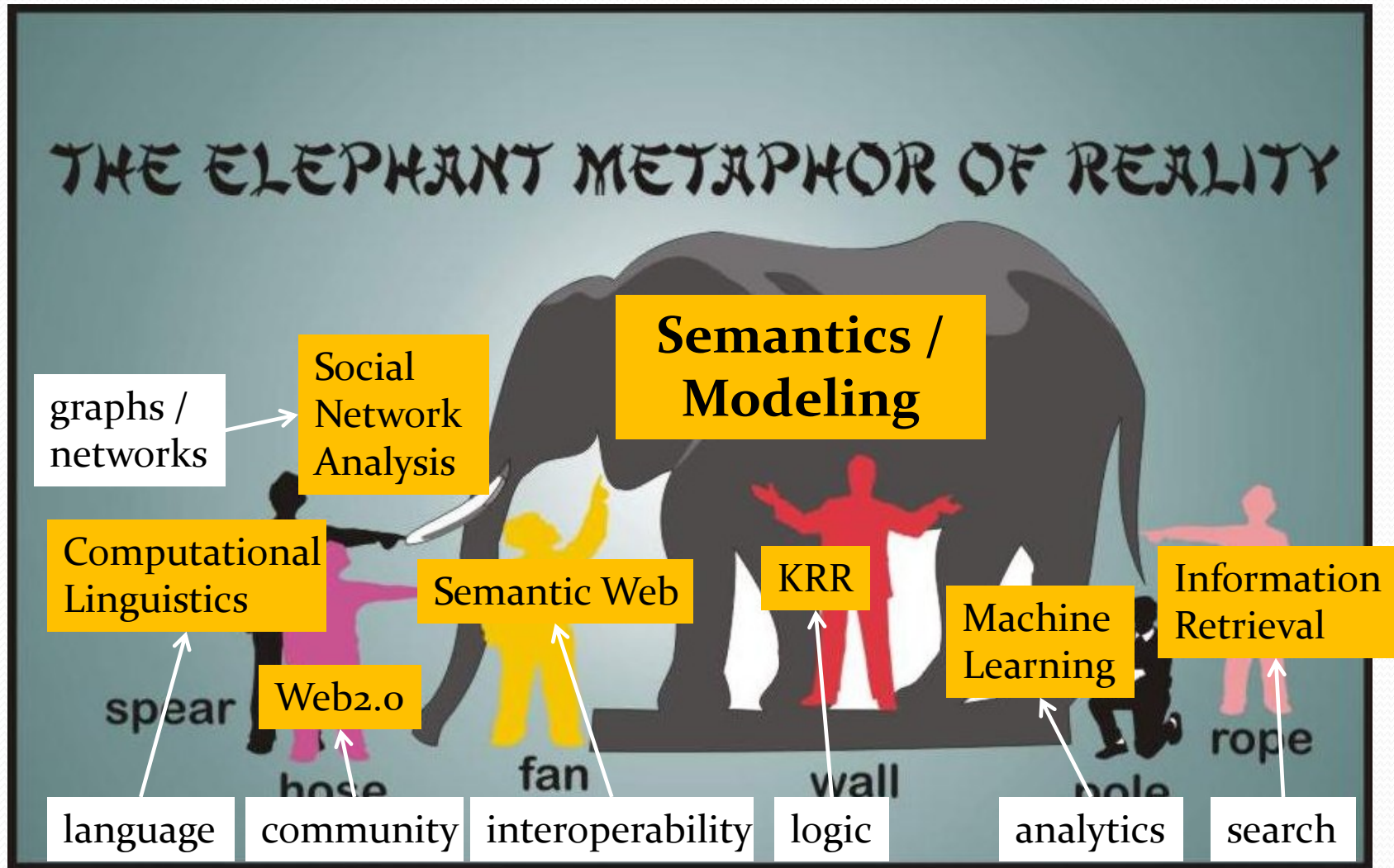
**...5+ years from now
research perspective**

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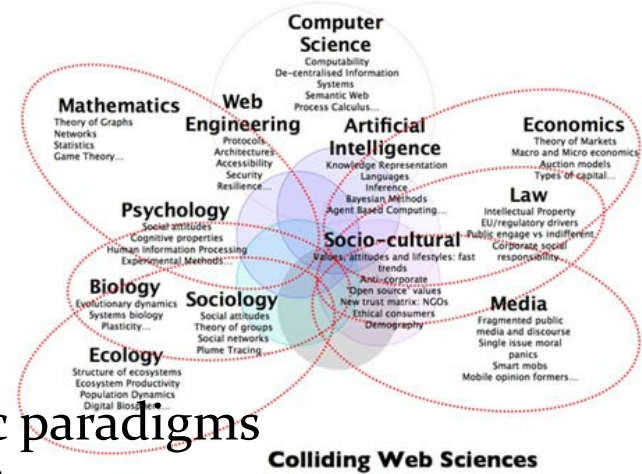
Why Semantics? ...who needs it?

- Semantics has its role to **reduce and control complexity** of information...
 - ...so, everybody who wants to deal with abstractions can be hooked-up in the area somehow
- We need to be always aware “semantic technology” is really **horizontal area** technology
- ...but semantics has many faces

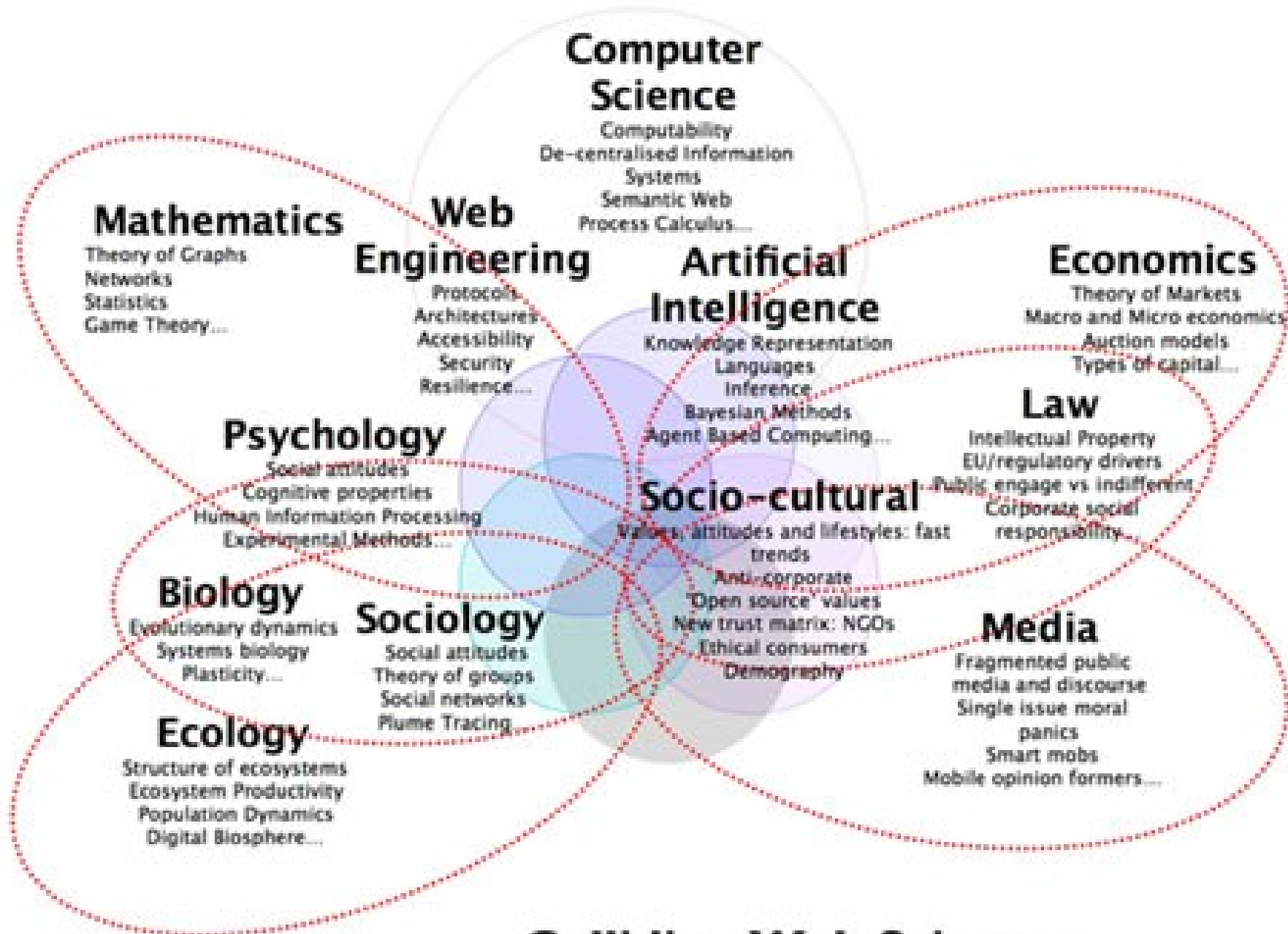
How some of the research areas are approaching the problem of semantics ?



Some points for the future on the research side...



- **Synergies:** “Convergence” of related scientific paradigms
 - ...from natural to social sciences (web science)
 - ...fragmentation of science should go down – semantics could serve as a bridge
- **Strength:** Semantics will get **deeper and scalable**
 - ...e.g. we could expect computer will understand text much better
 - ...at the same time light-weight semantics will solve “long tail” of easy problems...
 - ...reasoning and representation will have to get softer and practical
- **Time:** Our environment will be observed and measured mainly through **sensors** introducing scale and complexity
 - ...real-time solutions on streams of data will get more important
- **Scale:** “Cloud computing” will bring brute force in computing allowing progress in dealing with hard research problems...
 - ...this will address and enable scalability



Colliding Web Sciences

Facebook in 2029...

pensionbook

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RIP [George Summner](#) is attending [Edgar Jones' Funeral](#)

[Gordon Norris](#) joined the group [I like to stop suddenly in the street](#)

[3 of your friends](#) just got poked with a walking stick, poke back?

RIP Updated: [Edgar Jones](#) has died... would you like to attend the funeral?

[Victor Grantham](#) added the [PIPE and SLIPPERS](#) application.

[Constance Edwards](#) joined the group [I still pay with cheques and old money.](#)

[Edgar Jones](#) is not feeling too perky today :(

[Faith Ogden](#) wrote on [That nice young man from the shop's wall](#)

“ Oooh, thankyou dearie for popping over my tripe and porridge oats. I don't know what I'd do without you, you see my children never call anymore and I'm practically a hermit.. ”

[See Wall-to-Wall](#)

[Faith Ogden](#)

[Charles Sunnington](#) added the Meals on Wheels Application

Yesterday

[Al Bridges](#) and [Cliff Richard](#) are now friends.

Status Updates

[see all](#)

[Vera](#) is complaining about modern music...where's the melody!
2 hours ago [edit](#)

[Stanley Goodwin](#) is trying to keep warm this winter 35m ago

[Edna Williams](#) is annoyed about immigration 39m ago

[Ted Stapleton](#) is excited about his new cardigan 2h ago

[hide friend updates](#)

Upcoming Events

[see all](#)

[Sitting at home, watching Corrie with a cup of Earl Grey](#)
Tomorrow, November 17 at 7:00pm. You will be attending!

Deaths

RIP [see all](#)

Saturday, November 10
[Bertie Coston](#)

Sunday, November 11
[Gerald Mctavish](#)

straightfrommybrain.com

Werthers FTW!



Toffee Goodness!