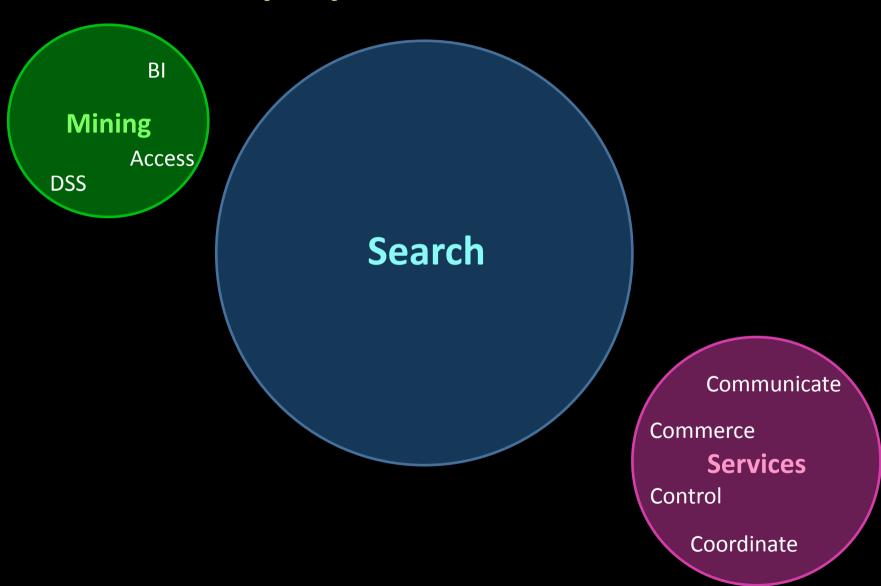
Ada: Made For The 3.0 World

leveraging the strengths of Ada in the world of converging cognition, semantics, emergence and high integrity

James Sutton

What do people want to do on the web?



How did the Web evolve?

Thread Index

- Re: KISS mode I know, but HOST mode?
 - Me Alast Andrews o From: dolgci!sdcsvax!thumper.bellcore.com!karn@uunet
- AEA KISS/HOST mode
 - From: dolqci!sdcsvax!wb6rqn!brian@uunet (Br
- WB6RQN column in 73 magazine
 - o From: hqm%VALLECITO.SCRC.Syp
- finger support
 - o From: wsuecme!horne%
- TNC2 KISS problem
 - o From: wsuec cT@Sdsc.BITnet
- Re: TNC2
 - core.com@Sdsc.BITnet (Phil R. Karn) o From:
- net/rom m
 - o From: dai \square.s.wisc.edu@Sdsc.BITnet
- routing connectivity
 - o From: karn%ka9q.bellcore.com@Sdsc.BITnet (Phil Karn)
- next release
 - o From: winfree!bdale%trwind.ind.TRW.COM@Sdsc.BITnet (Bdale Garbee at winfree.n3eua.ampr)
- Phil's suggestion about link measurements
 - o From: maximo!mo%uunet.UU.NET@Sdsc.BITnet (Mike O'Dell)

[Date Prev][Date Next][Thread Prev][Thread Next][Date Index][Thread Index]

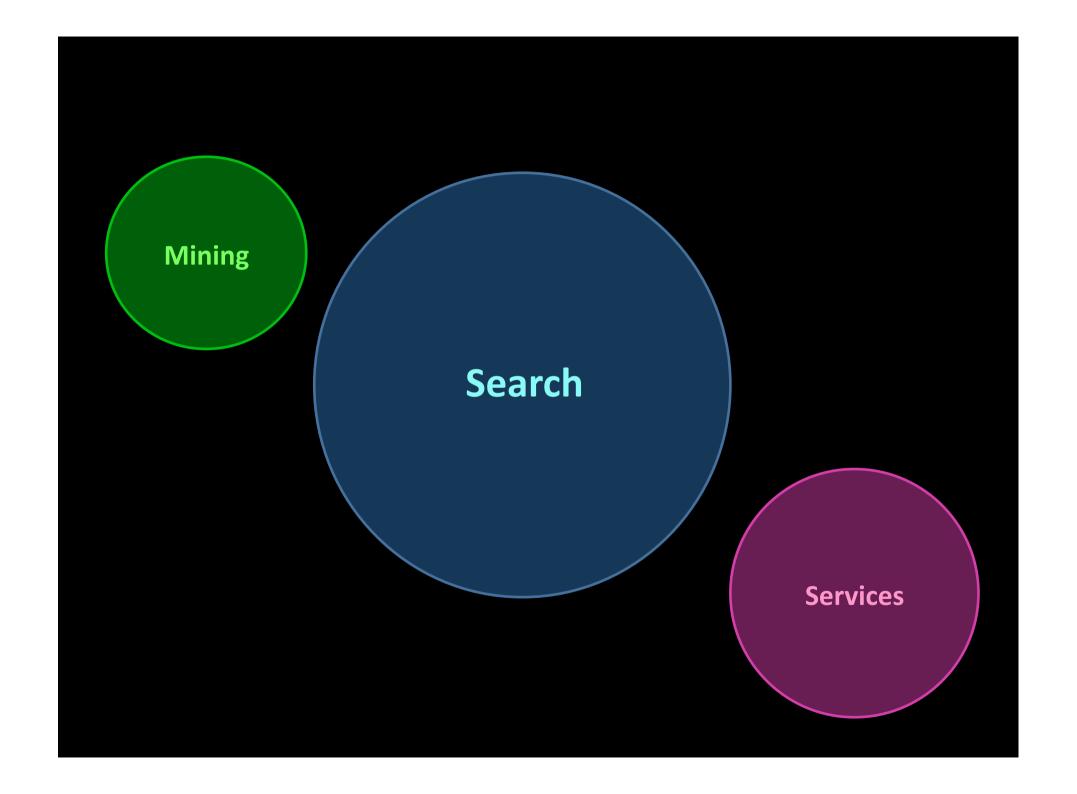
Re: KISS mode I know, but HOST mode?

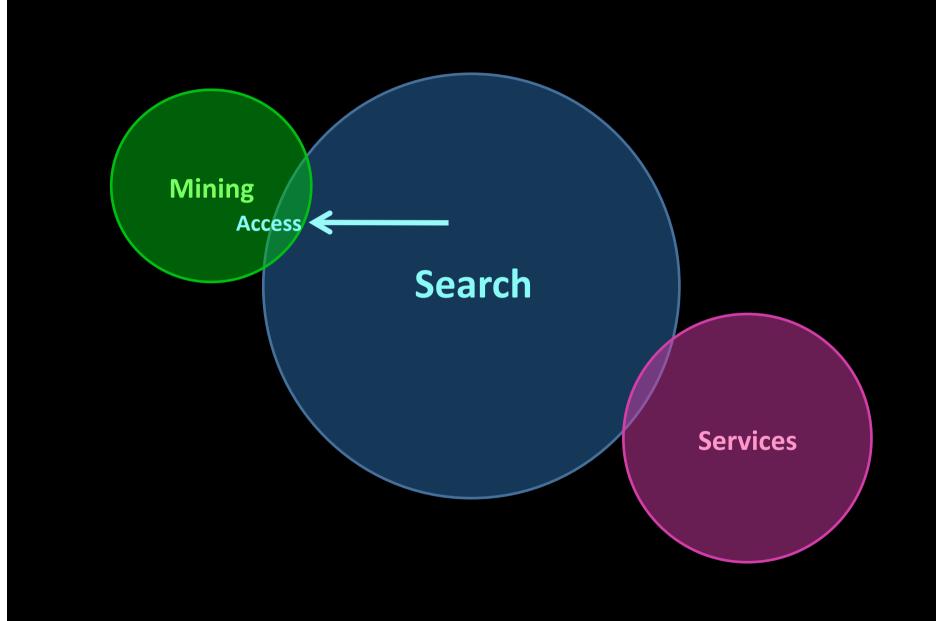
- To: goldstein%delni.DEC@decwrl.dec.com, tcp-group@sdcsvax.ucsd.edu
- Subject: Re: KISS mode I know, but HOST mode?
- From: dolgci!sdcsvax!thumper.bellcore.com!karn@uunet (Phil R. Karn)
- Date: Fri, 29 Jan 1988 15:14:24

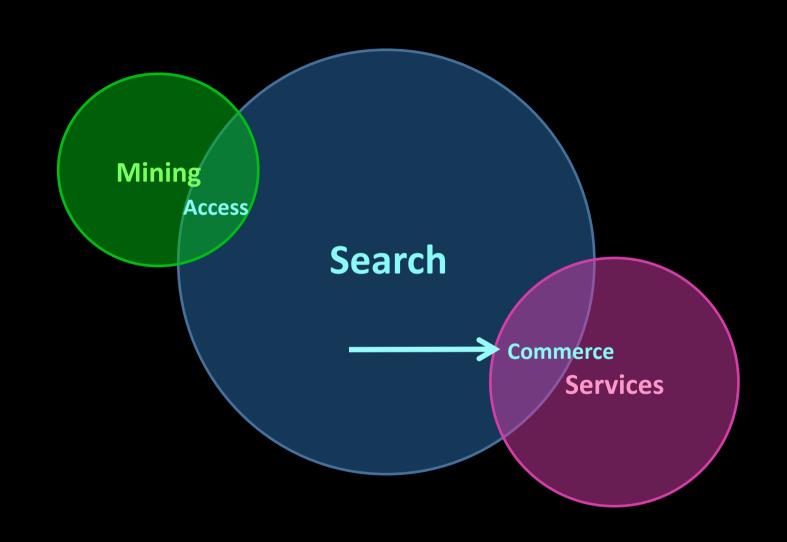
KISS is distinct from the PK232 "host" mode, despite the seeming confusion. It's just the way Steve Stuart decided to do the commands. If you have "kiss on" when you say "host on", you get a KISS TNC. If you have "kiss off" (!) when you say "host on", you get AEA's proprietary host mode.

Phil

- Next by Date: <u>AEA KISS/HOST mode</u>
- Next by thread: AEA KISS/HOST mode
- Index(es):
 - o Date
 - o Thread





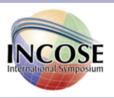


INCOSE 2010 Chicago 12 - 15 lulv



INCOSE Industry - Government - Academia

Systems Solutions for All Disciplines



Home

- > Welcome Schedule
- Technical program
- Technical Tours
- Keynote speakers
- Academic Forum
- INCOSE Youth Outread
- Sponsors
- Exhibitors
- Business meetings
- Venue
- Social Events
- Registration
- Hotel information
- International traveller
- Guest program
- Links
- Contact us

Brochure



Sponsors



Welcome to the 20th Annual INCOSE International Symposium

In 2010, INCOSE celebrates the 20th Annual International Symposium in the beautiful city of Chicago, Chicago is home to many world's class museums, architectural wonders, and cultural attractions. For the family, there are a many things to do: tours, parks, beaches, the zoo, the aguarium and more! The famous Navy Pier and lakefront Boardwalk offer carnival rides, boat cruises, and fireworks.

Highlights of the 2010 INCOSE International Symposium are:

Technical Program and Professional Development

- · 4 Industry-acclaimed keynote speakers
- 96 Technical papers/presentations
- 8 Panels
- 17 Tutorials at no additional fee!
- · 38 INCOSE working group meetings
- 2 Offsite technical tours
- Academic Forum
- · Youth Engineering Education
- Awards

Networking, Socia

r the full symposium a FREE 2-DAY CSEP course before the Symposium, please register interest).

ON'T WAIT REGISTER NOW!!

US FOR PRE and POST CONFERENCE ACTIVITIES!!!!

nterence July 10 - 11

- · Saturday CSEP Course Part 1 (registration required)
- Sunday CSEP Course Part 2 (registration required)
- Lean SE
- Verification
- Requirements
- Basic SE
- IEEE Papers

Post Conference July 16

- · Friday AM Tour to North Western Medical Training Centers
- · PM Tour to Fermi Labs Accelerator

aroup Meeting

Le Request

Lode, If the 200 at 1

The online the contract on its now of a contract the Contract of March 1 and the Contract of

non INCOSE Members!"

The on line reservation for the Hyatt Hotel.

Manday, 01 February 2010 12:24

The on line reservation for the Hyatt has been launched. Click here to visit the website.

INCOSE Chicago



"I talk to you"





00.000 results (0.25 seconds)

Search

Advanced search

Everything

Mews



Any time Latest Past 2 days

More search tools

Something different fmla

cobra title vii

section 504

American Diabetes Association Home Page - American Diabetes ... :

The American Diabetes Association is leading the fight against the deadly consequences of diabetes and fighting for those affected by diabetes. Food & Fitness - Type 2 Diabetes - For Professionals

www.diabetes.org/ - Cached - Similar

ADA: American Dental Association - Home data

ADA: American Dental Association, Professional and Public resources, Find a dentist in your area. News and Events. Find an ADA member dentist. ADA Annual Session - Education & Careers - Oral Longevity

ADA Home Page - ada.gov - Information and Technical Assistance on ... of skip navigation to Federal Agencies | skip navigation to ADA Home Page | skip navigation to

ADA Publications I skip to end of page links ...

www.ada.gov/ - Cached - Similar

www.ada.org/ - Cached - Similar

American Dietetic Association \$\pi\$

Nutrition information, resources, and access to Registered Dietitians provided by ADA and the National Center for Nutrition and Dietetics

www.eatright.org/ - Cached - Similar

ADA Accessibility Guidelines 12

(ii) ADA Application. Where alterations are undertaken to a qualified historic building or facility that is subject to section 106 of the National Historic ...

www.access-board.gov/adaan/html/adaan.htm._Cached - Similar

Ada (programming language) - Wikipedia, the free encyclopedia

Ada is a structured, statically typed, imperative, wide-spectrum, and object-oriented high-level computer programming language, extended from Pascal and ...

wikipedia.org/wiki/Ada (programming language) - Cached - Similar

Audio Design Associates - ADA

Audio Design Associates Product Suite ... 2009 Audio Design Associates, Inc. Other company and product names may be trademarks of their respective owners. www.ada.net/ - Cached - Similar

Americans for Democratic Action - Home 1

May 29, 2010 ... the nation"s oldest independent liberal political organization, dedicated to individual liberty and building economic and social justice at ...

www.adaction.org/ - Cached - Similar

Alternative Distribution Alliance

Distributor of independent music in USA. Focus placed upon development and marketing artists signed to indie labels and selected projects from the Warner ... ada-music.com/ - Cached

ada - Wiktionary

May 19, 2010 ... nominative, ada. genitive, adanıñ. dative, adağa. accusative, adanı. locative, adada ... Retrieved from "http://en.wiktionary.org/wiki/ada" ... en.wiktionarv.org/wiki/ada - Cached - Similar

News for ada

Reliance ADA Explores Telecom-Stake Sales - 3 days ago

Sponsored links

ADA - Disabilities Act

BNA's HR Library - Free Trial! News, Expert Guidance and Analysis hrcenter.bna.com

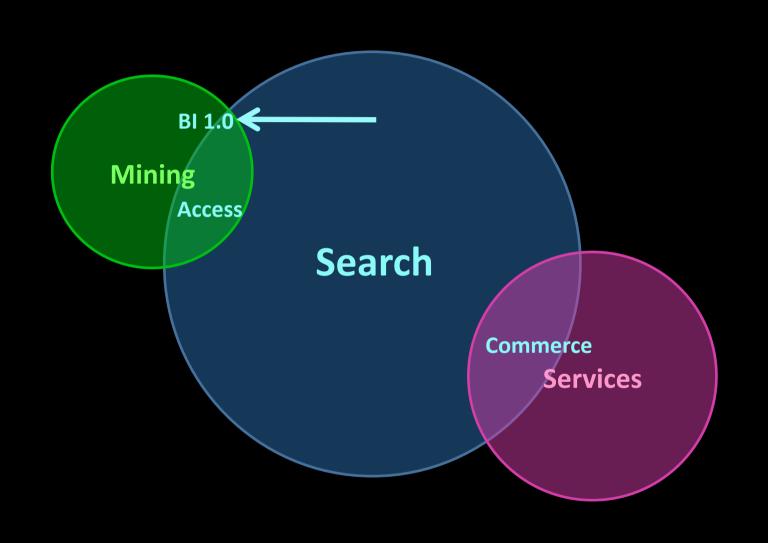
American Disability Guide

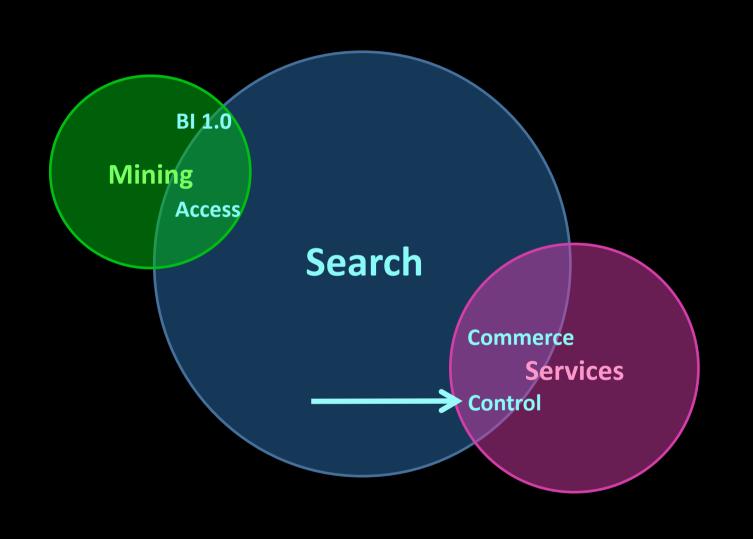
Learn Secrets on ADA Benefits Know Your Rights Today. Read Here! DisabilitiesActGuide.com/Free Tavae

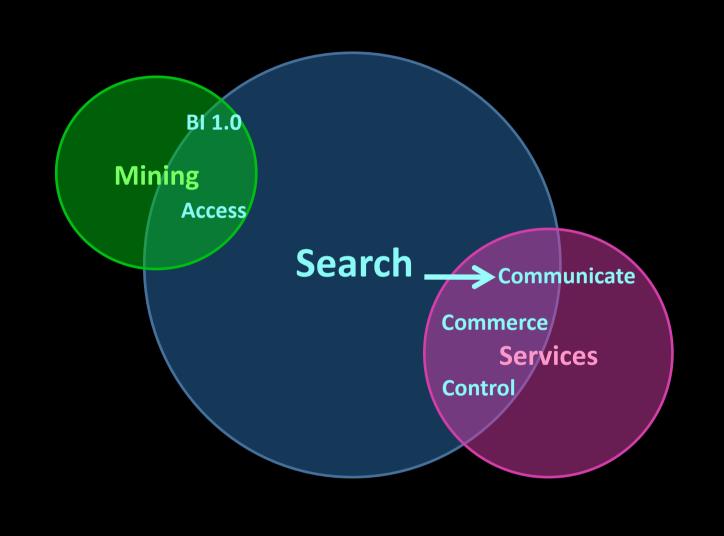
Ada 83 and Ada 95 tools

Download Ada tools that help you understand and work with Ada code www.scitools.com

See your ad here »









Search

Discover what's happening right now, anywhere in the world

TRENDING TOPICS Francesca Schiavone Funky Papua Swagger Wagon Stosur Garros Francesca























Top Tweets View all >



davidschneider 😼



Here's how much fun you can opl off in the morning.

dieaks Attack on humanitarian flotilla prompts little media skepticism | FAIR http://bit.ly/cTdhRI 7 hours ago



OfficialMotoGP Valentino Rossi ruled out of Gran Premio d'Italia TIM



Give it a try >

Pen WE infolly which a the obtaincy " Customize Twitter by choosing who to follow. Then see tweets from those folks as soon as they're posted.

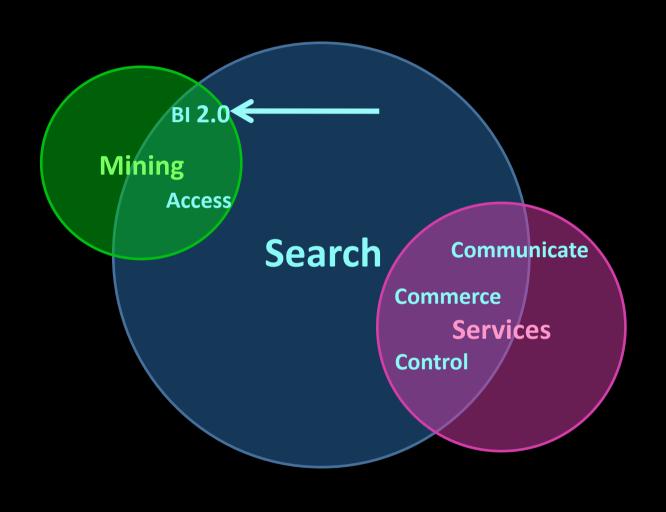
> Using Twitter for a business? Check out Twitter 101

> > Language: English v

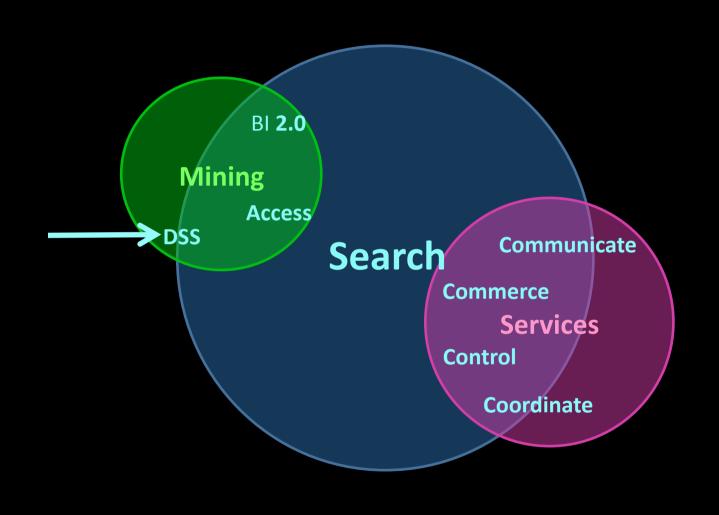
@ 2010 Twitter About Us Contact Blog Status Goodies API Business Help Jobs Terms Privacy

"We talk to each other"









Plug in to Metaweb to get great content from the web's best sources.







TopicBlocks for Blogg

TopicBlocks are fr add to your b





The Metaweb Wordpress plugin makes using TopicBlocks even easier.

opic tagging to your website with a single line of JavaScript.



Learn more about TopicSuggest »

Our free API connects you to open data about 12 million topics. Custom APIs use the same powerful query language, tailored to your needs and connected to any of our content providers.

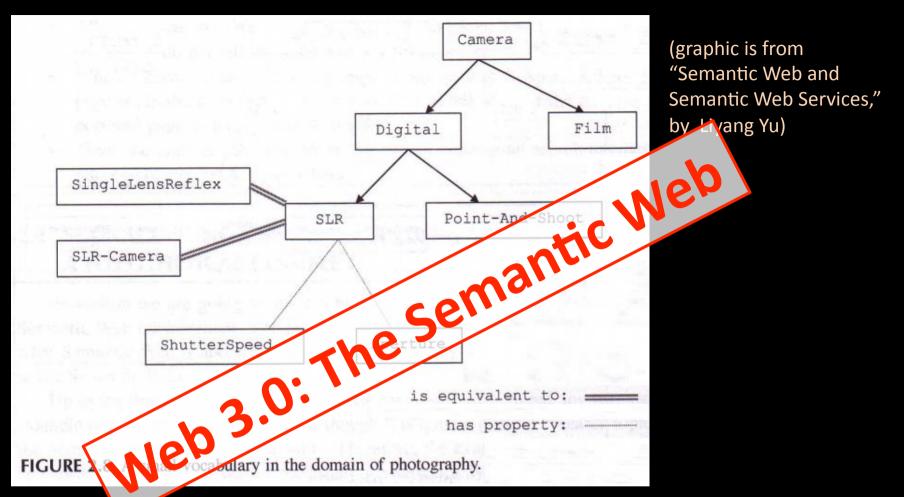


Check out Freebase, the community-supported open database sponsored by Metaweb.



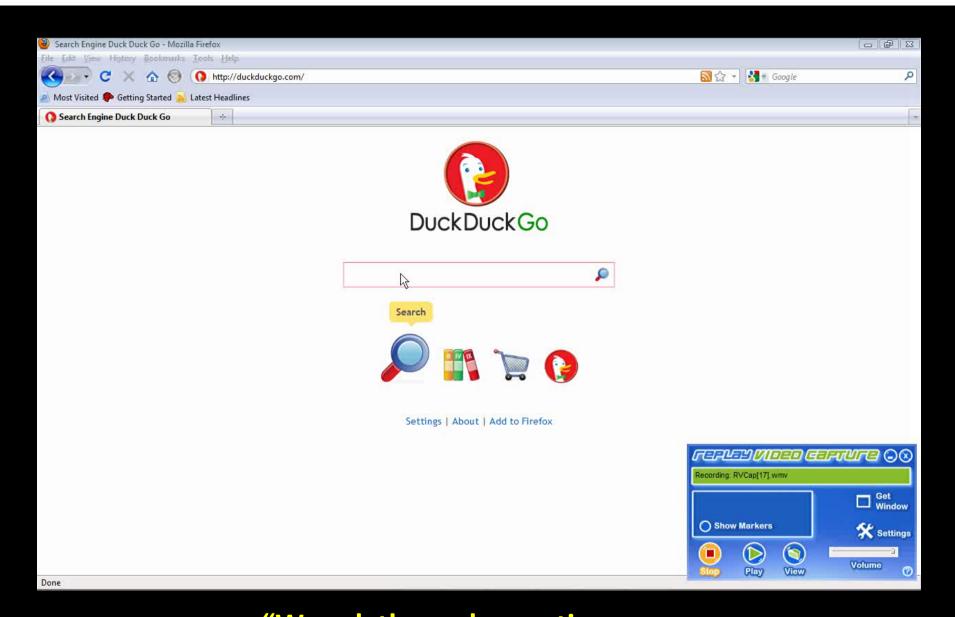
Still have questions about Metaweb? Read our Frequently Asked Questions

"We talk to each other... more efficiently"



"For [artificial-intelligence and Web researchers]...an ontology is a document or file that formally defines the relations among terms. The most typical kind of ontology for the Web has a taxonomy and a set of inference rules."

Tim Berners-Less, James Hendler, and Ora Lassila; "The Semantic Web," Scientific American (May 2001).



"We ask the web questions...
and in limited situations, it 'understands' us and give useful answers"

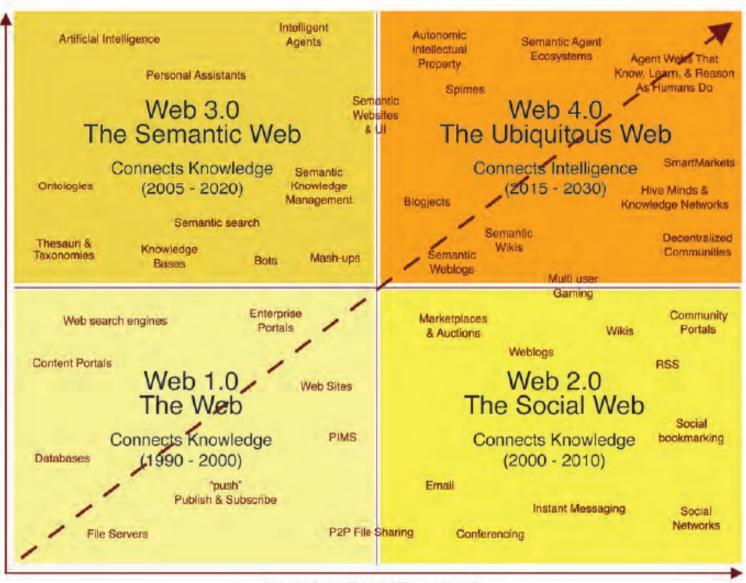
"I'd like to share with you a revelation l'action in my time here. It came to me when I tried to classify your energia

"I'd like to share with you a revelation I'm to using my time here. It came to me when I tried to classify your specific and realized you aren't actually mammals. Every mammal on the bank instinctively develops a natural equilibrium with its survey enganvironment, but you humans do not. You move to an area of your partiply, and multiply until every natural resource is consumed. The area you can survive is to spread to another area. There is another that follows the same pattern. Do you know with the virus. Human beings are a disease, a cancer of this planet. You are plague, and we...are the cure."

Agent Smith Matrix Reloaded

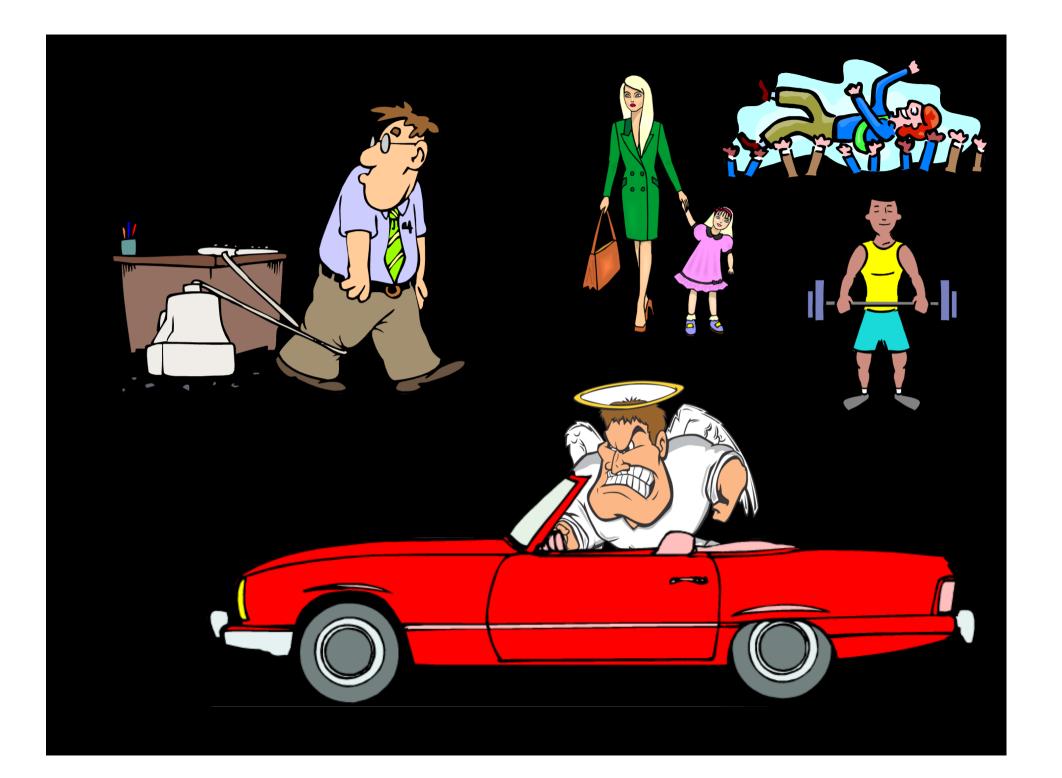
"The web talks to us"

Internet Evolution



Increasing Knowledge Connectivity & Reasoning

Increasing Social Connectivity



NEW YORK TIMES BESTSELLER

"Pirk makes a strung, science-based case for rethinking motivation and then provides the looks you need to transform your life."

-WERMET C. DZ, MD, courther of You: The Owner's Manual

Daniel H. Pink

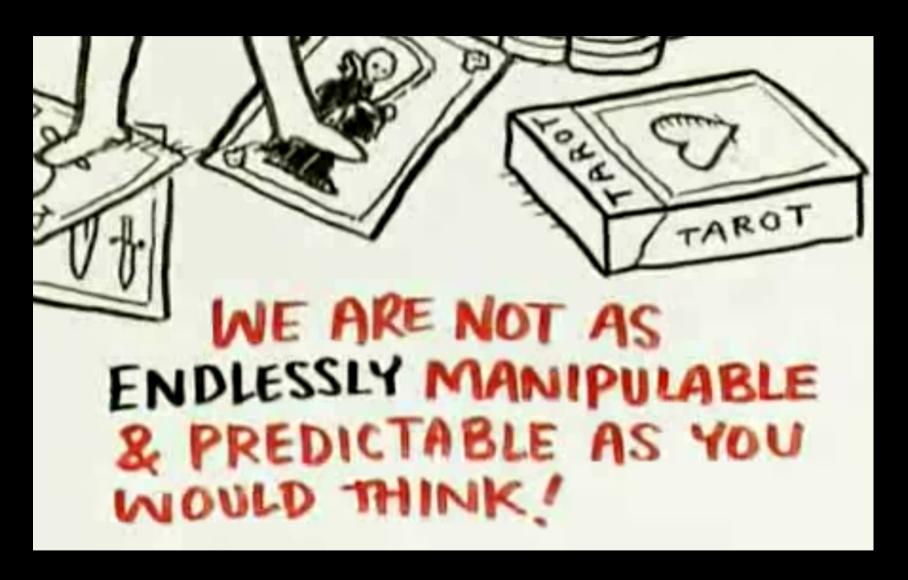
author at A Whole New Mind

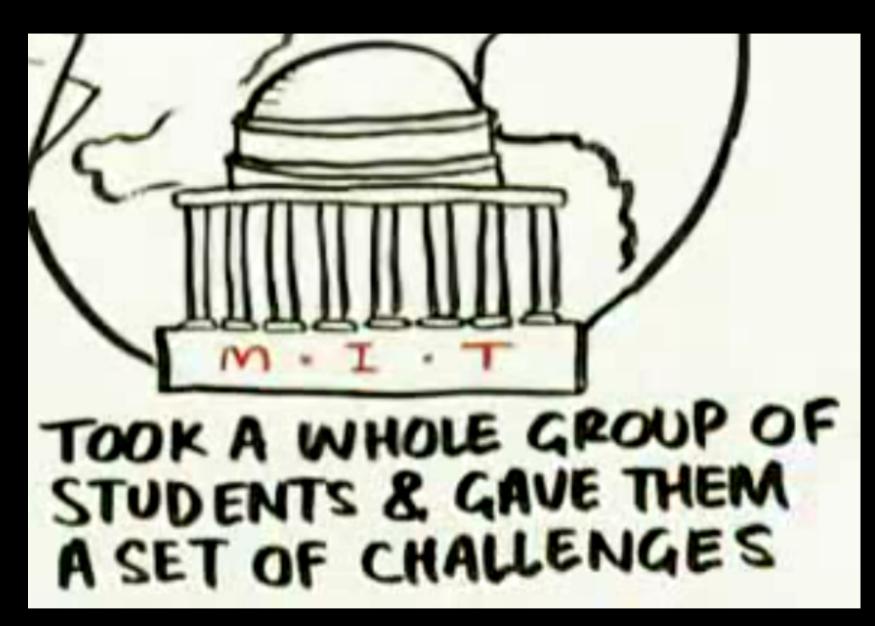


The Surprising Truth About What Motivates Us "Drive: The Surprising Truth About What Motivates Us"...

"uses 50 years of behavioral science to overturn the conventional wisdom about human motivation and offer a more effective path to high performance"

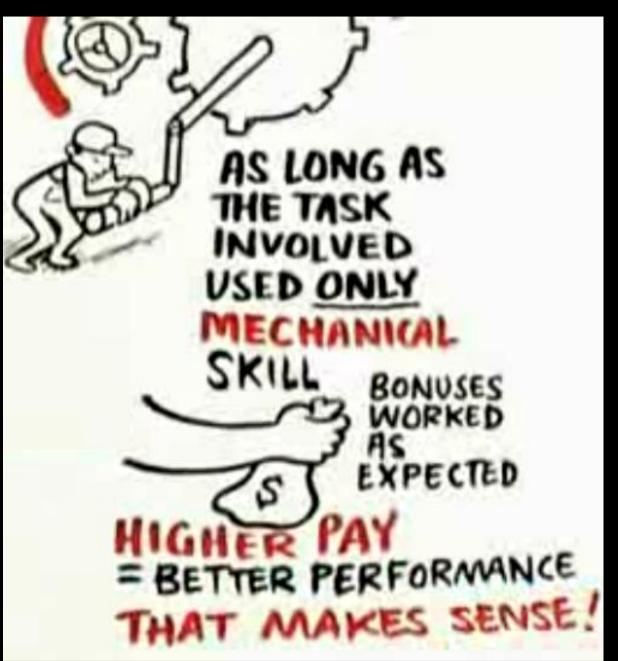
danpink.com













From a talk by Daniel Pink, illustrated by theRSA.org



"For to say that, assuming the earth moves and the sun stands still, all the appearances are saved better than with eccentrics and epicycles, is to speak well; there is no danger in this, and it is sufficient for mathematicians.

"But to want to affirm that the sun really is fixed in the centre of the heavens and only revolves around itself (i.e., turns upon its axis) without travelling from east to west, and that the earth is situated in the third sphere and revolves with great speed around the sun, is a very dangerous thing."

Cardinal Bellarmine, Letter to Foscarini April 12th 1615 (Repeated from cognitive-edge.com)

assuming simple causality



force-fitting new information

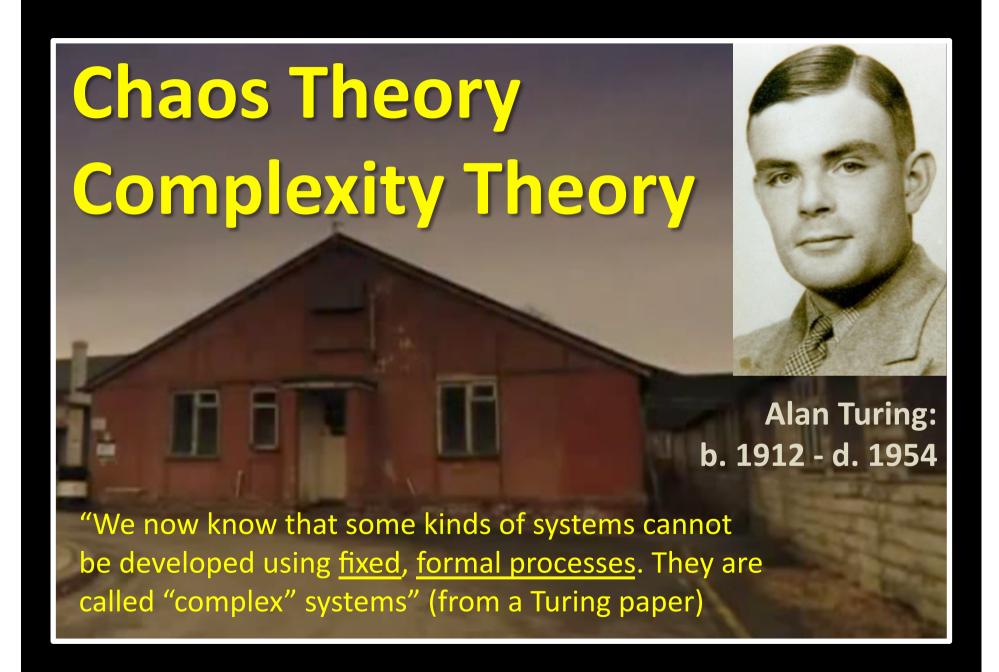


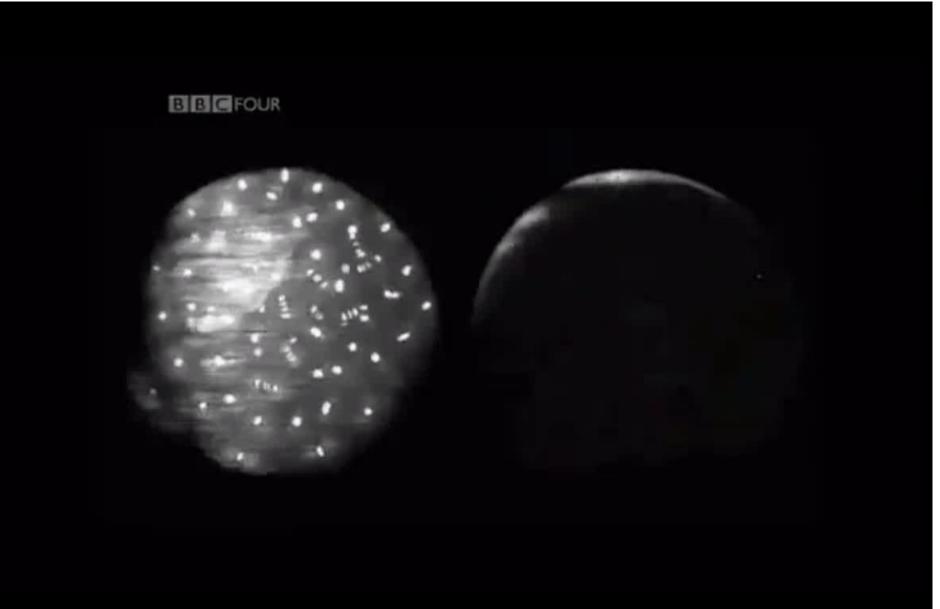


jumping on bandwagons



chasing "stable" patterns





Morphogenesis



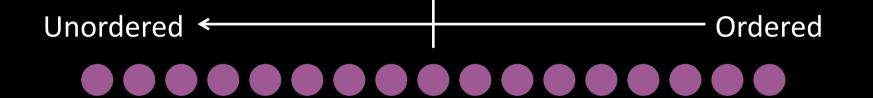
THE CHEMICAL BASIS OF MORPHOGENESIS

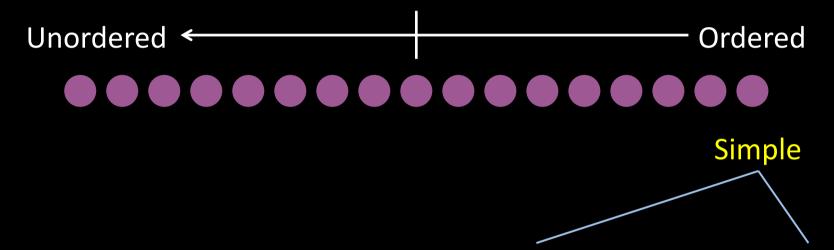
By A. M. TURING, F.R.S. University of Manchester

(Received 9 November 1951—Revised 15 March 1952)

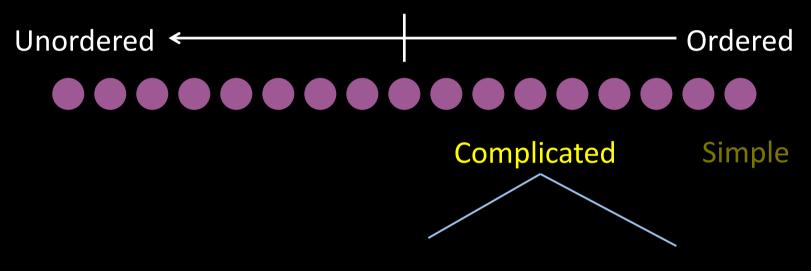
It is suggested that a system of chemical substances, called morphogens, reacting together and diffusing through a tissue, is adequate to account for the main phenomena of morphogenesis. Such a system, although it may originally be quite homogeneous, may later develop a pattern or structure due to an instability of the homogeneous equilibrium, which is triggered off by random disturbances. Such reaction-diffusion systems are considered in some detail in the case of an isolated ring of cells, a mathematically convenient, though biologically unusual system. The investigation is chiefly concerned with the onset of instability. It is found that there are six essentially different forms which this may take. In the most interesting form stationary waves appear on the ring. It is suggested that this might account, for instance, for the tentacle patterns on *Hydra* and for whorled leaves. A system of reactions and diffusion on a sphere is also considered. Such a system appears to account for gastrulation. Another reaction system in two dimensions gives rise to patterns reminiscent of dappling. It is also suggested that stationary waves in two dimensions could account for the phenomena of phyllotaxis.





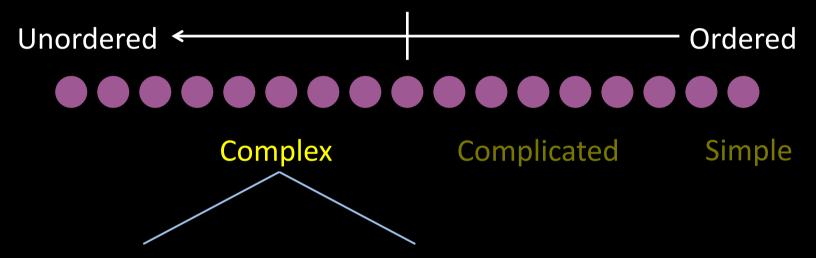


The answers are already known, and are self-evident to everyone involved



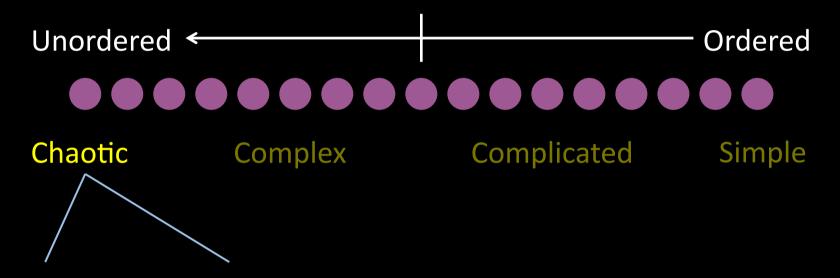
The answers can be found,

but only using experts and additional research



There are no "answers;" only patterns of interaction that can

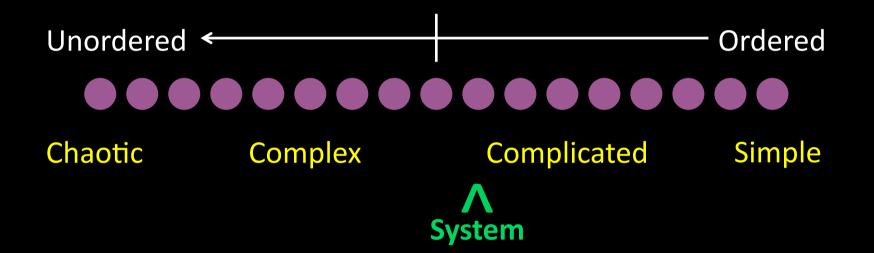
be detected through experimentation and observation

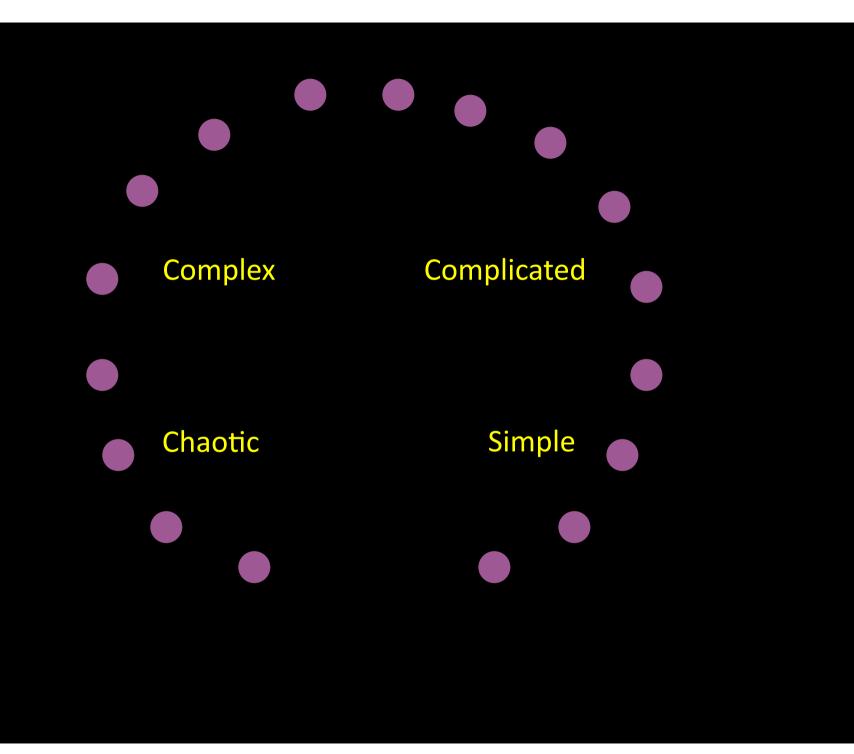


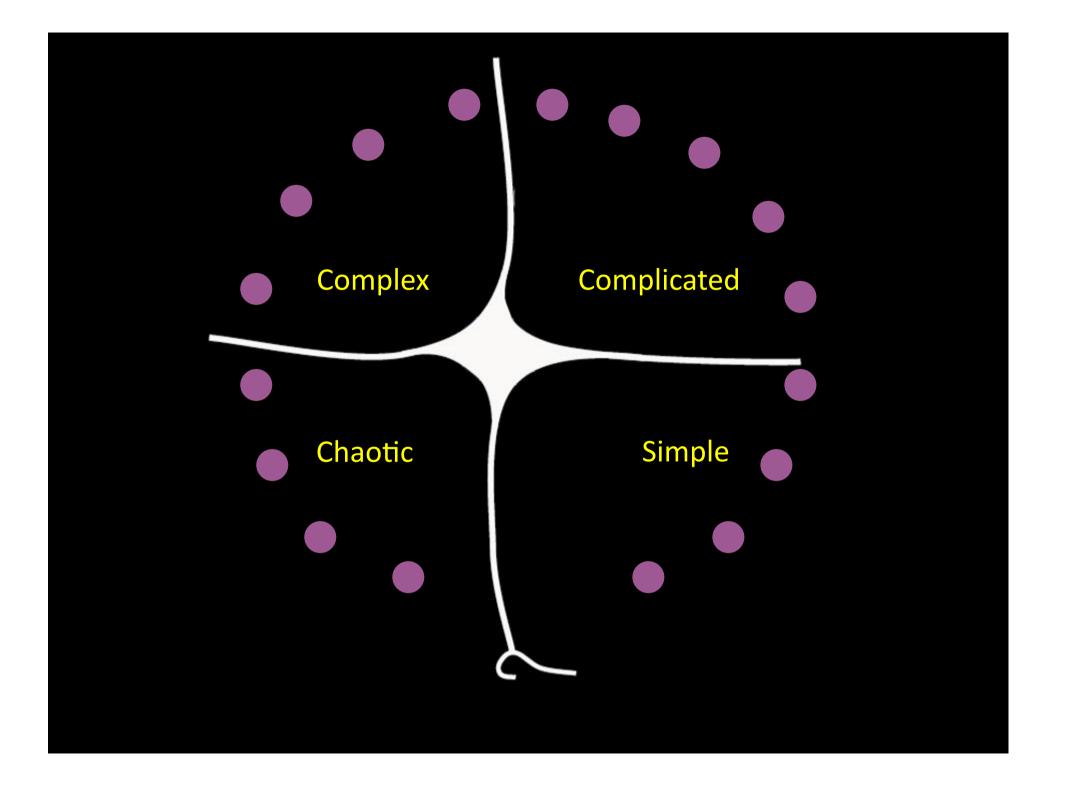
There are no answers and no knowable patterns

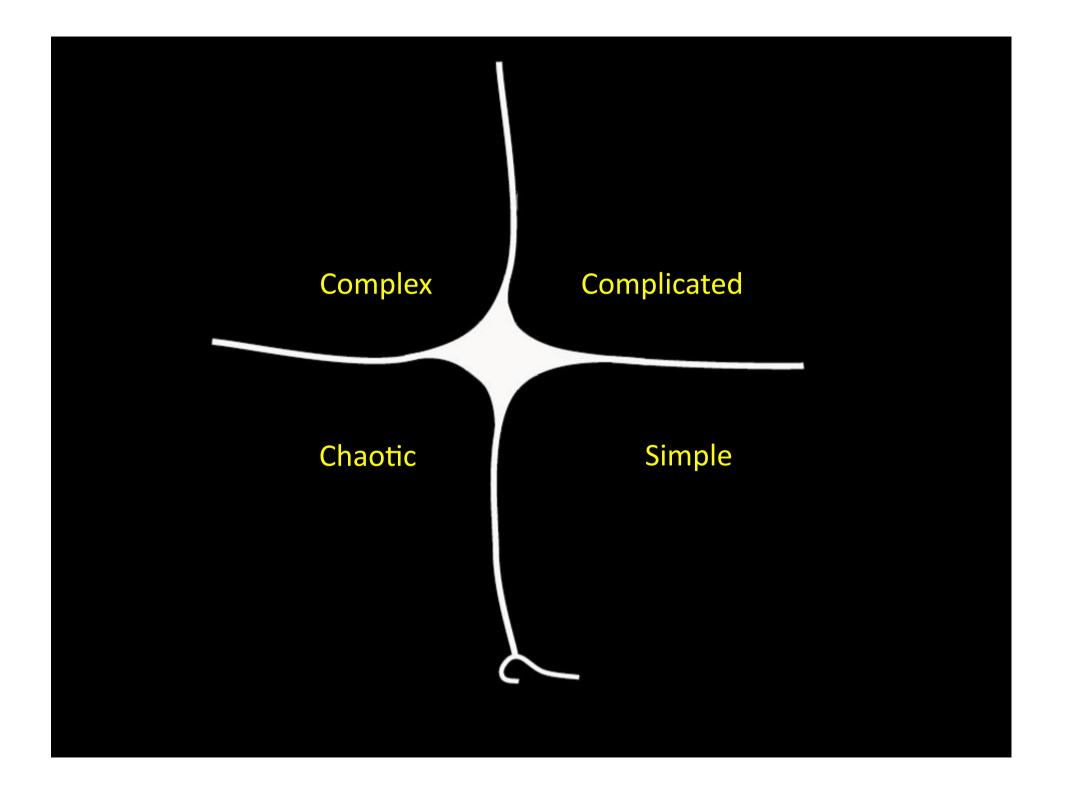
How to organise a Children's Party

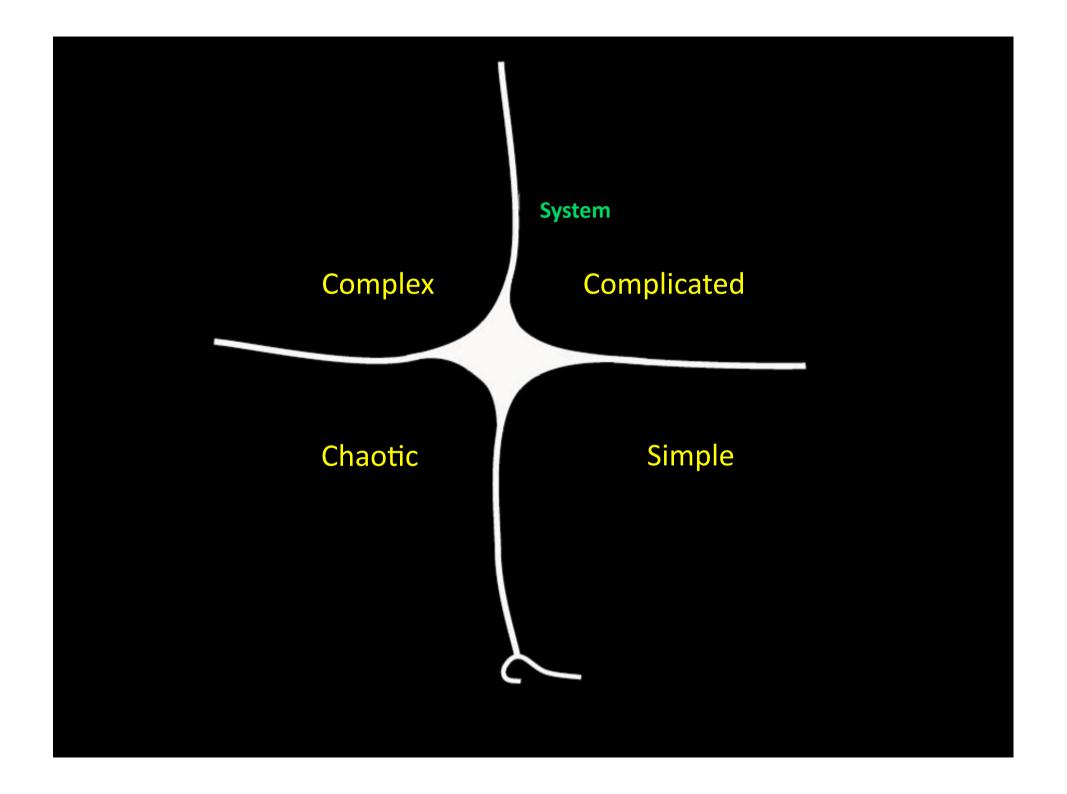
Video at http://www.youtube.com/watch?v=Miwb92eZaJg











system for detecting terrorist activity on internet

Complex

Probe Sense Respond

Good practice

Complicated

Sense

Analyse

Respond

aerodynamics control system for new aircraft

Emergent

system for where you don't know who's the real customer, or what they really want (merger situation?)

Chaotic

Act Sense Respond

Novel

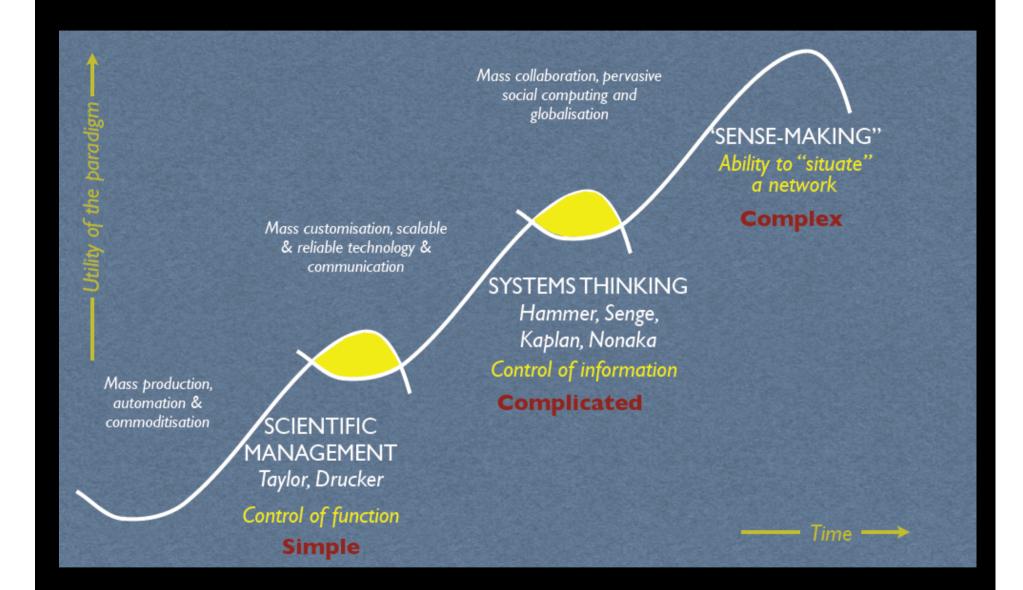
Simple

Sense Categorise Respond

Best practice

double-entry bookkeeping application

Graphic © Cognitive-Edge, 2007



COMPLEX

Cause and effect are only coherent in retrospect and do not report

Pattern manyement

Perspect /e filters

Colonex adaptive systems

Probe-Sense-Respond

KNOWABLE

Cause and effect separated over time and societies

Analytical/Beductionist

Scenario plantin

Systems thinking

Sense-Analyze-Respond

CHAOS

No cause and effect conships perceivable

Stability facused intervention

Enactment too

Crisis management

Act-Sense-Respond

KNOWN

Cause and effect relacens repeatable, perceiving and predictable

Legitimate but practice

Standard operating

Process reengineering

Sense-Categorize-Respond

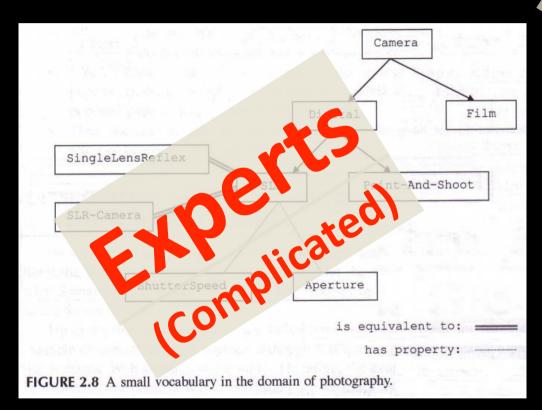
'Directed emergence: design by manipulative evolution'

'design now is "constant vigilance" '

Sources:

- Graphic: Kurtz, C. F., and D. J. Snowden. "The new dynamics of strategy: Sense-making in a complex and complicated world." IBM Systems Journal 42(3), 462-483
- Quotes: Sarah Sheard,
 "Complex Systems Sciences,
 SE, and KM," KM-MCES2006

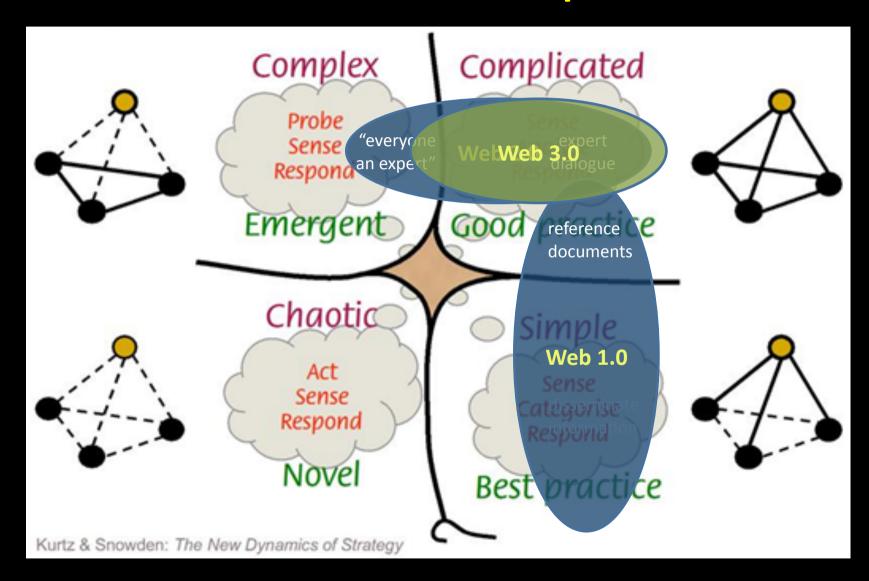
So, is the real 3.0 world...







What about the software part of it?



from cognitivemedia.co.uk

Where the "3.0 world" is really going





We have found it stimulating to have the "minutes" of the meeting in **pictures** rather than **words**, it has **provoked a different conversation and different thoughts**. In one of our meetings there was a particular image, which captured my imagination - **just the picture made me rethink** the way I was considering the restructuring of the business. I don't know if we would have come up with the strategy if it hadn't been for that image!

Vivienne Cox Exec VP and CEO of Alternative Energy



Web 3.0



"I find it very natural [in Ada] to think in terms of a set of autonomous agents that coordinate with one another and have individual functions that they perform.

www.silverthornengineering.com

Objections

"Our development lifecycle (customer, etc.) does not allow us to use the emergent and Lean principles in the 3.0 world, and thus receive the benefits of these Ada strengths"

Answer: Kanban has been brought in from the Lean world, and has been providing better results on Agile criteria (velocity, etc.) than traditional Agile approaches.

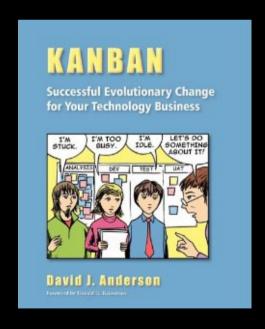
Kanban can be used with any lifecycle model—waterfall, iterative, RUP, ...— allowing incremental improvements until arriving at a much-improved process

http://www.dennisstevens.com/2010/06/07/kanban-and-when-will-this-be-done/

"Ada's not dynamically typed, so it's too hard (inefficient, etc.) to use in 3.0-world development"

Answer: Take the lifecycle view vs. the coding view. The extra effort pays off in error detection and avoidance.

The advantages of dynamic typing in metaprogramming are somewhat offset by the strengths of Ada in its generics



"Ada's failure [to catch on]... had to do with the <u>inherent mismatch between</u>
the [Ada] conceptual model of multitasking and the serial architecture models
of the processors on which it had to be implemented.

www.silverthornengineering.com