



THE FUTURES OF THE LIBRARY
new space and stories for new times

July 26th, Bangkok, Thailand

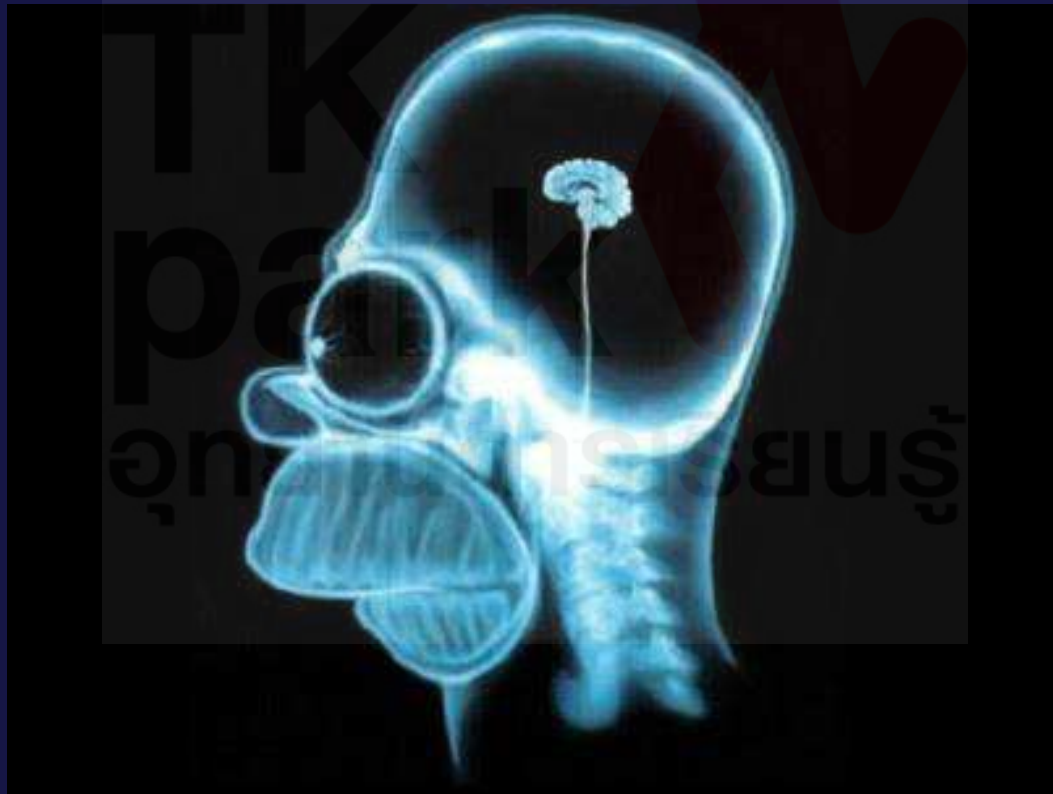
Sohail Inayatullah

Professor, Tamkang University, Melbourne
Business School, Sunshine Coast University,

Metafuture.org

Learning and the Future

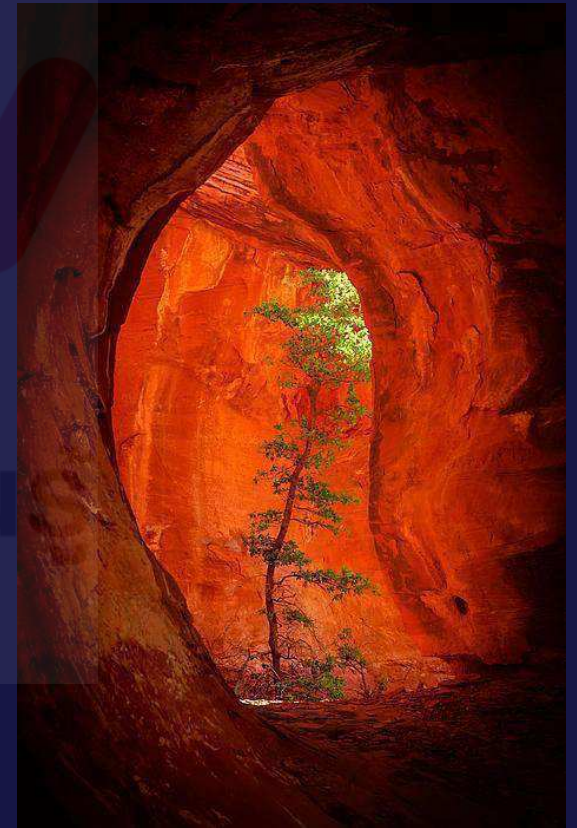
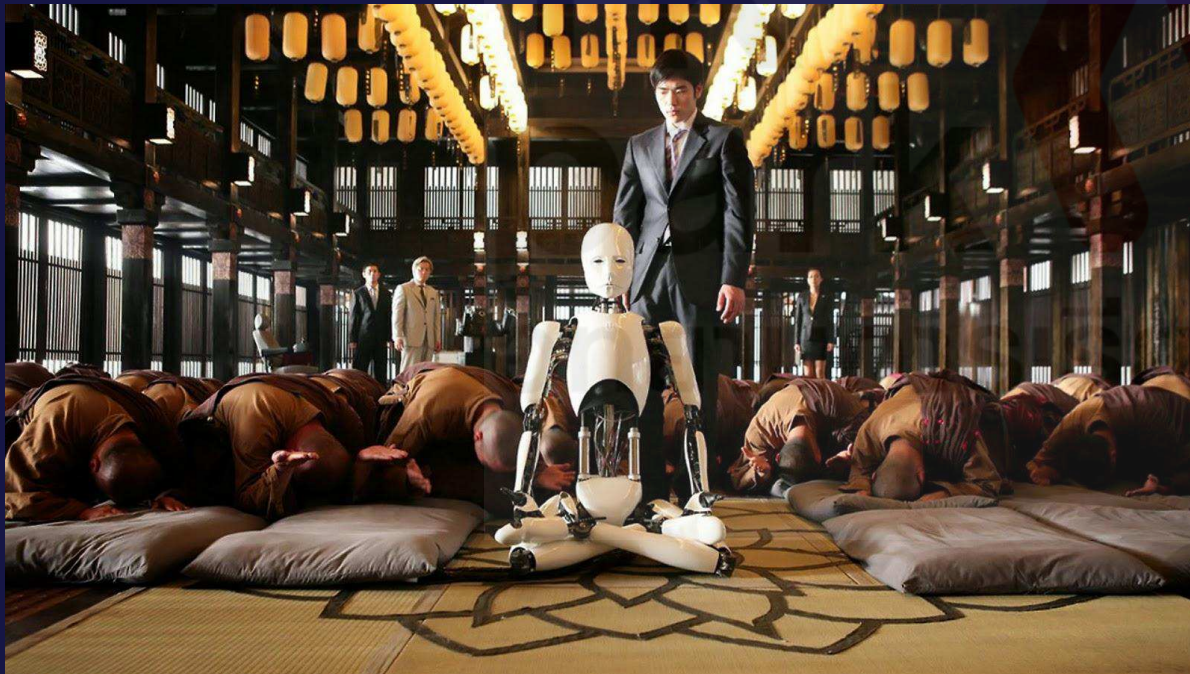
Zero Loop – overwhelmed



Single Loop – take away DOING



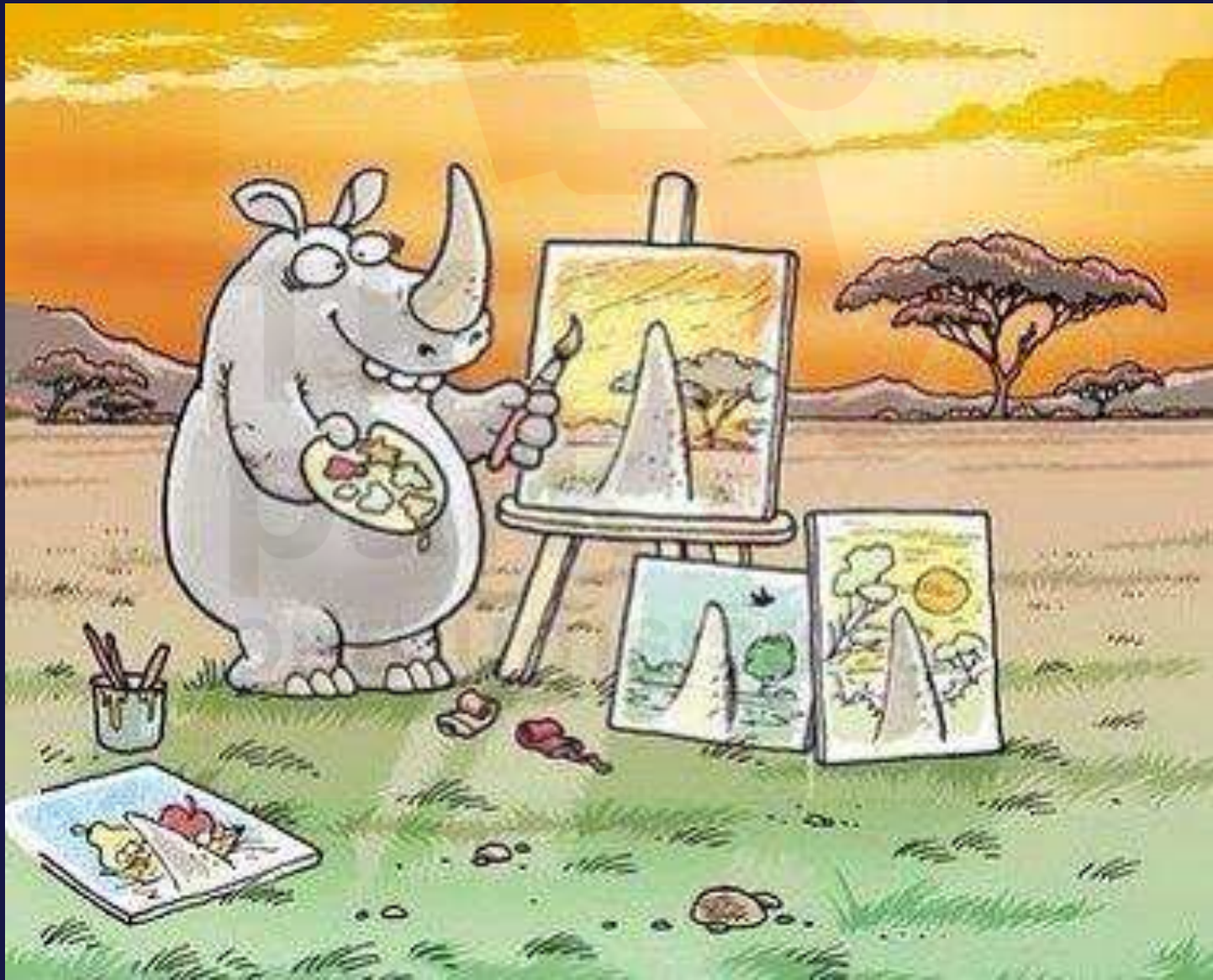
Double Loop – outside of paradigm learning - KNOWING



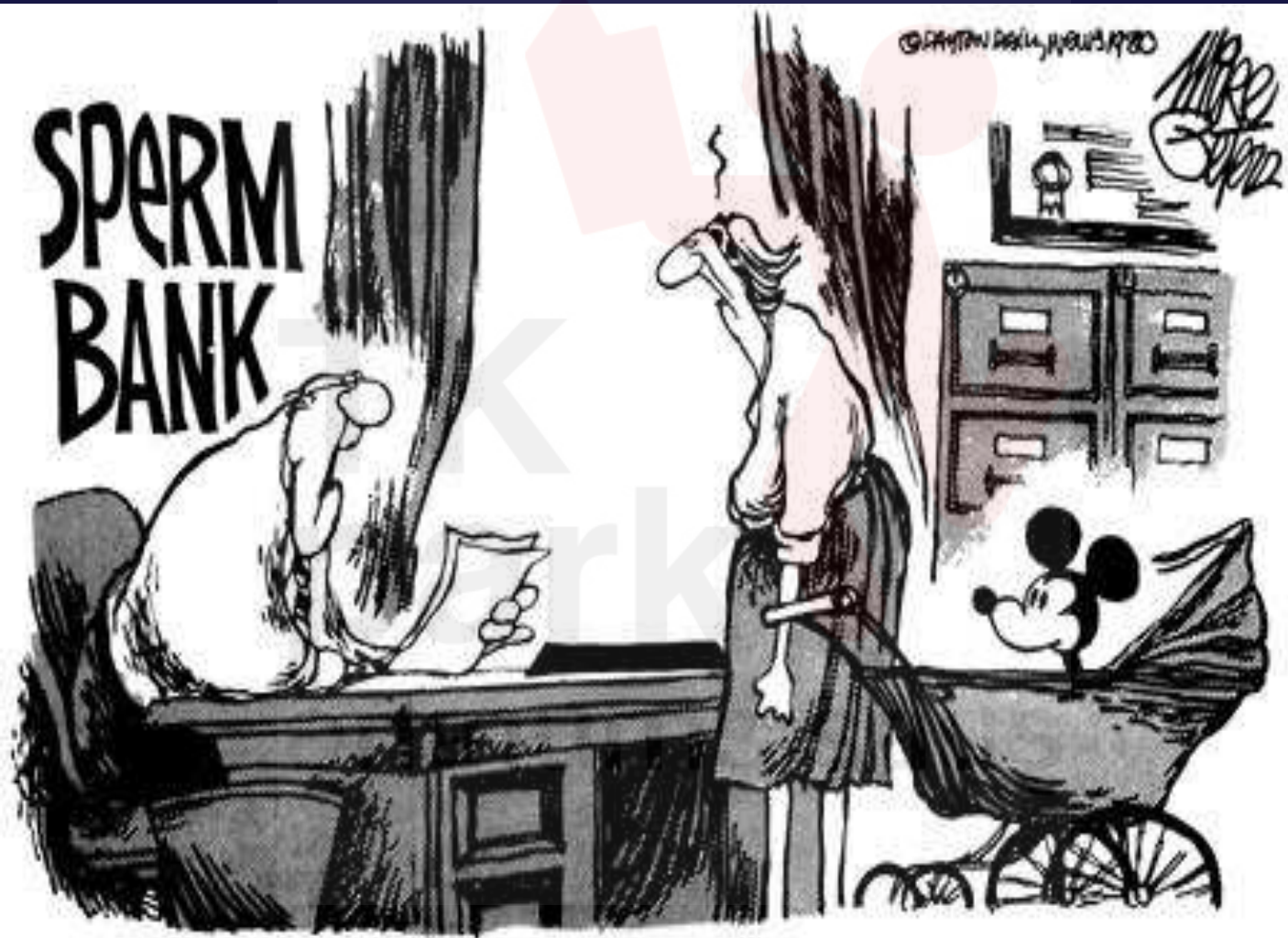
Narrative learning, finding and creating your story - BEING



The reflective practitioner



Challenge assumptions



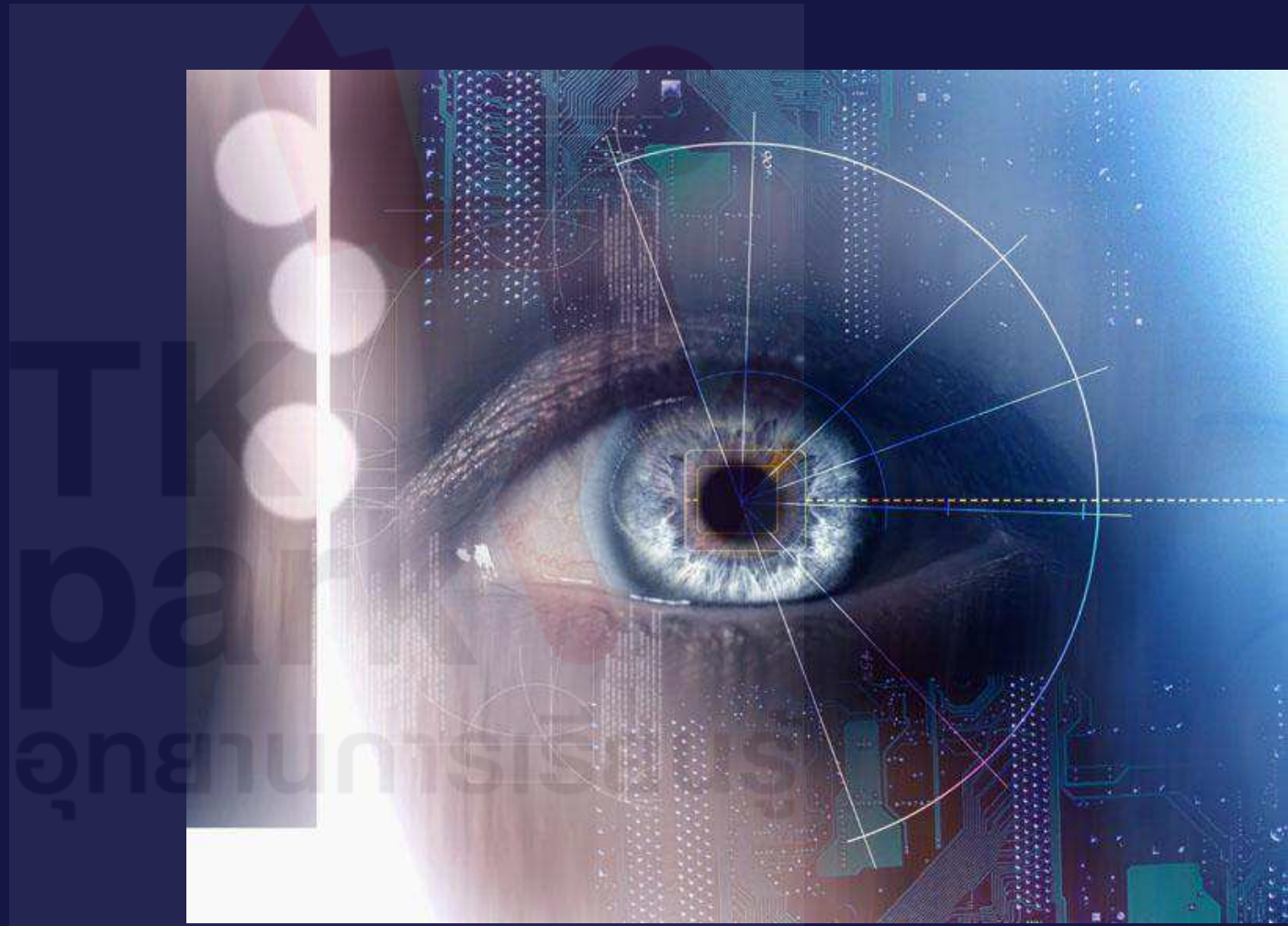
LOOK, LADY— YOU'RE THE ONE WHO ASKED FOR A FAMOUS MOVIE STAR WITH DARK HAIR, STRONG NOSE AND DEEP SET EYES...

Not just observe but transform



blackbird

The
future is
an asset,
a
resource
and a
narrative
to be
used.

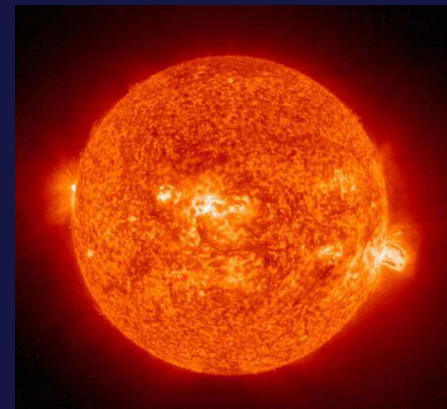
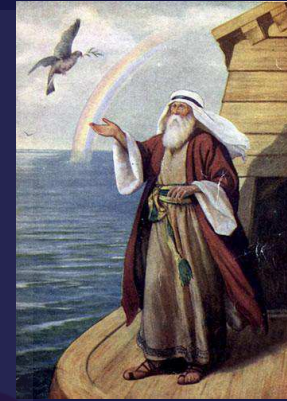


Joan of Arc and Noah

10% of Americans believe Joan of Arc was Noah's wife

(and 12 million believe lizard people run the country)

25% of Americans believe that the sun goes around the earth (33% europeans)



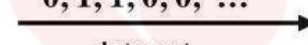


Emitter subject (BCI)



0, 1, 1, 0, 0, ...

internet

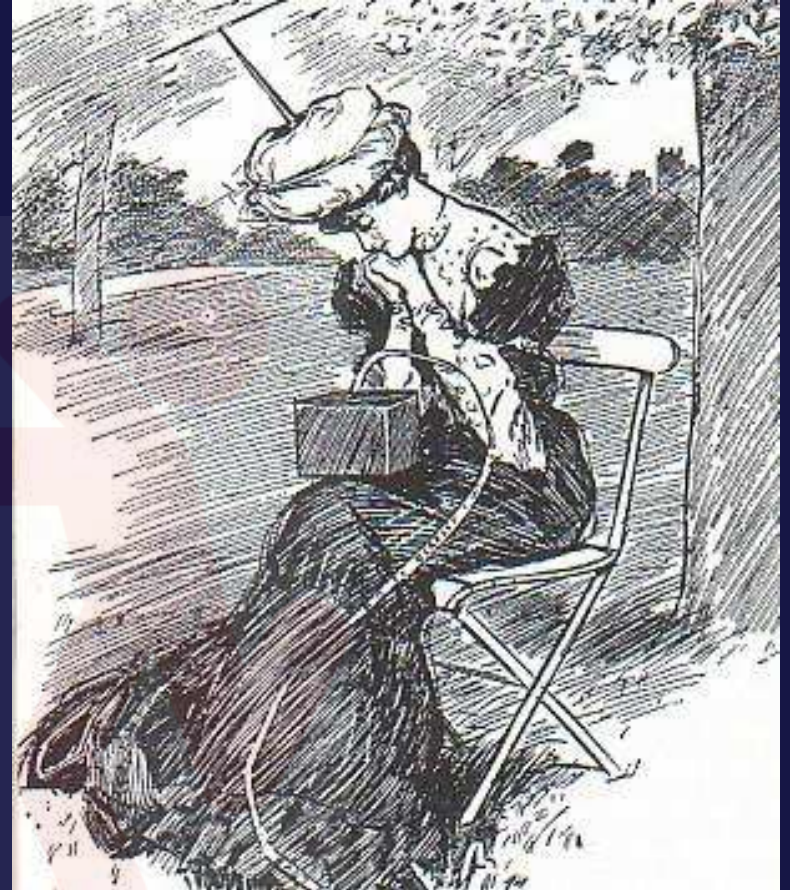


Receiver subject (CBI)





MAPPING THE FUTURE CHANGING IMAGES OF THE FUTURE



Portable aerials would make it possible for people to receive declarations of love or the racing results by wireless telegraphy 1906

1960s



Beam me up

1990s



Show me the money

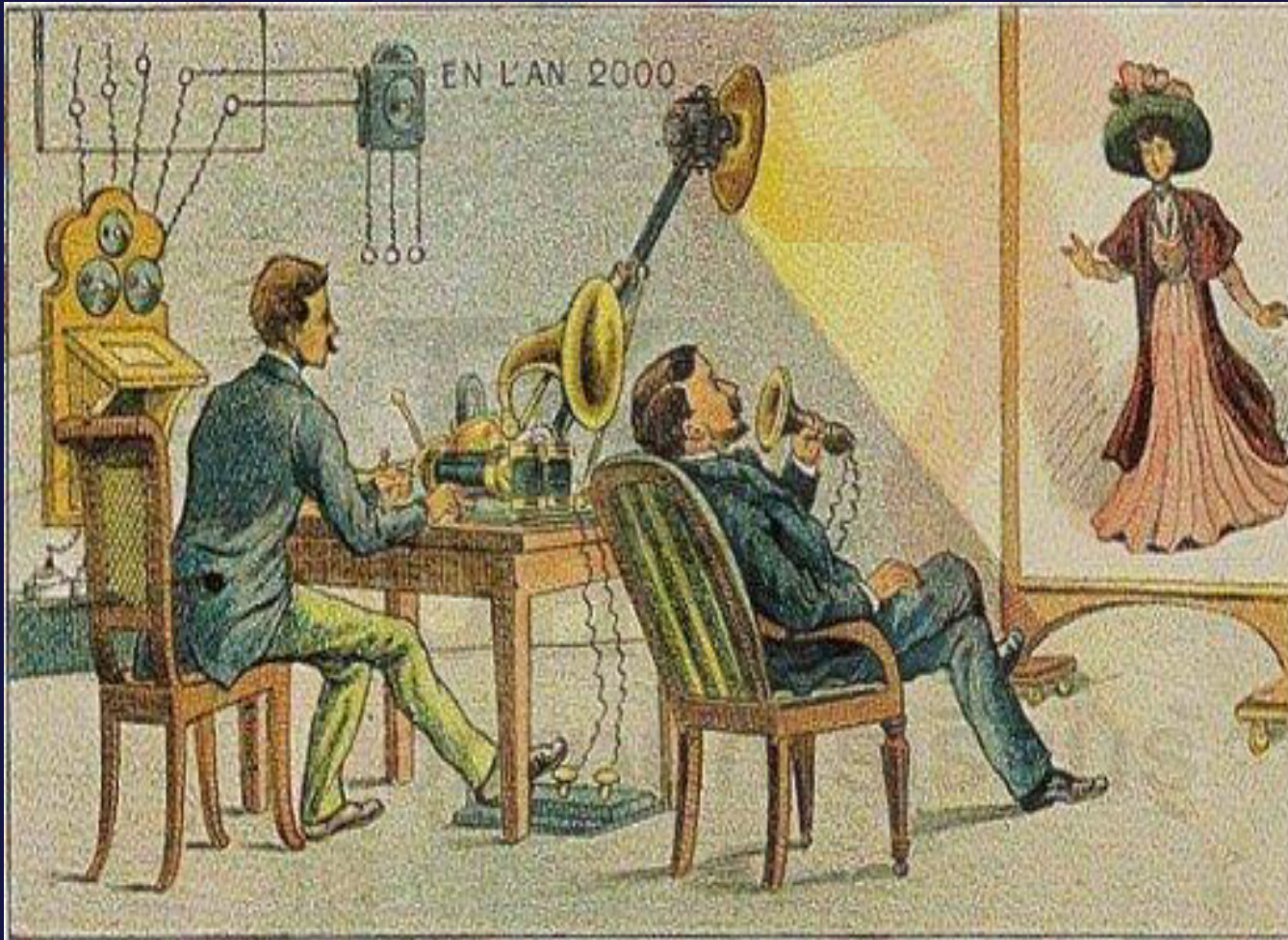
2011



riends



Communication



Western Electric
is crossing a telephone
with a TV set.



Mike Bartlett (... Personalize)



€3.82 Skype Credit View account

New Contacts Connect with

Jacqueline Marshall (not in your list) 02:57

- Betina Suter
- Cham Ho
- Echo / Sound Test Service
- MIT Cosmo
- mike bartlett (a little overloaded right now)
- Robin Grant
- Thor Skype AV Room
- Brianne Reynolds (Flying back to SF from London B...)
- Colin Graham
- Derek Morgan (Orinda Friday (he flying back to ...)
- Nathan McDonald
- Neil Dool
- Rita Vitorino (@ritav@f4f) (unhappy portage)
- Roger Vilco
- Vishnu Venkatesh (in call)
- Xavier Proffens

Call phones

Directory

Shop

Jacqueline Marshall Applications

Take a snapshot Show messages Full-screen



End call Stop video 02:57





Displair makes the world transparent!

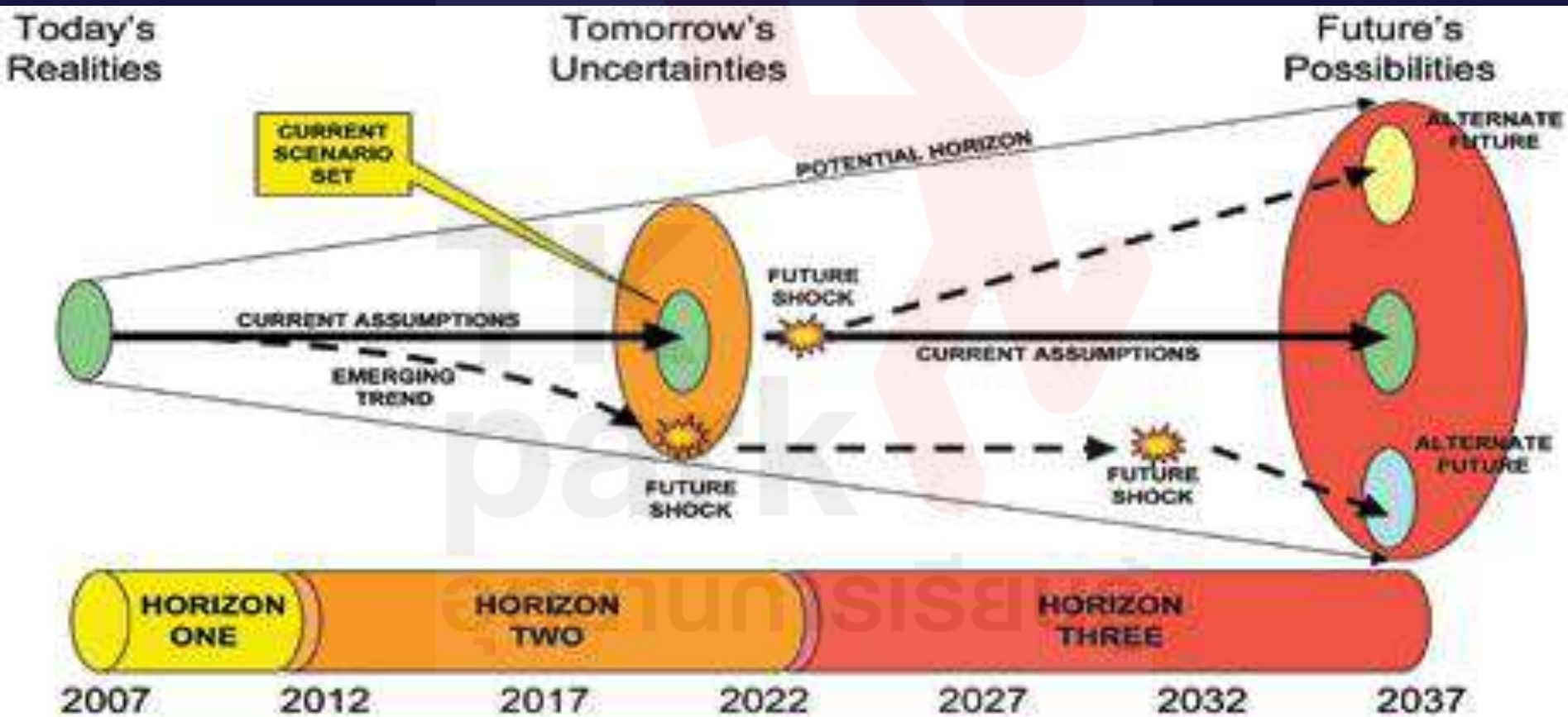
Protest of the holograms - Spain

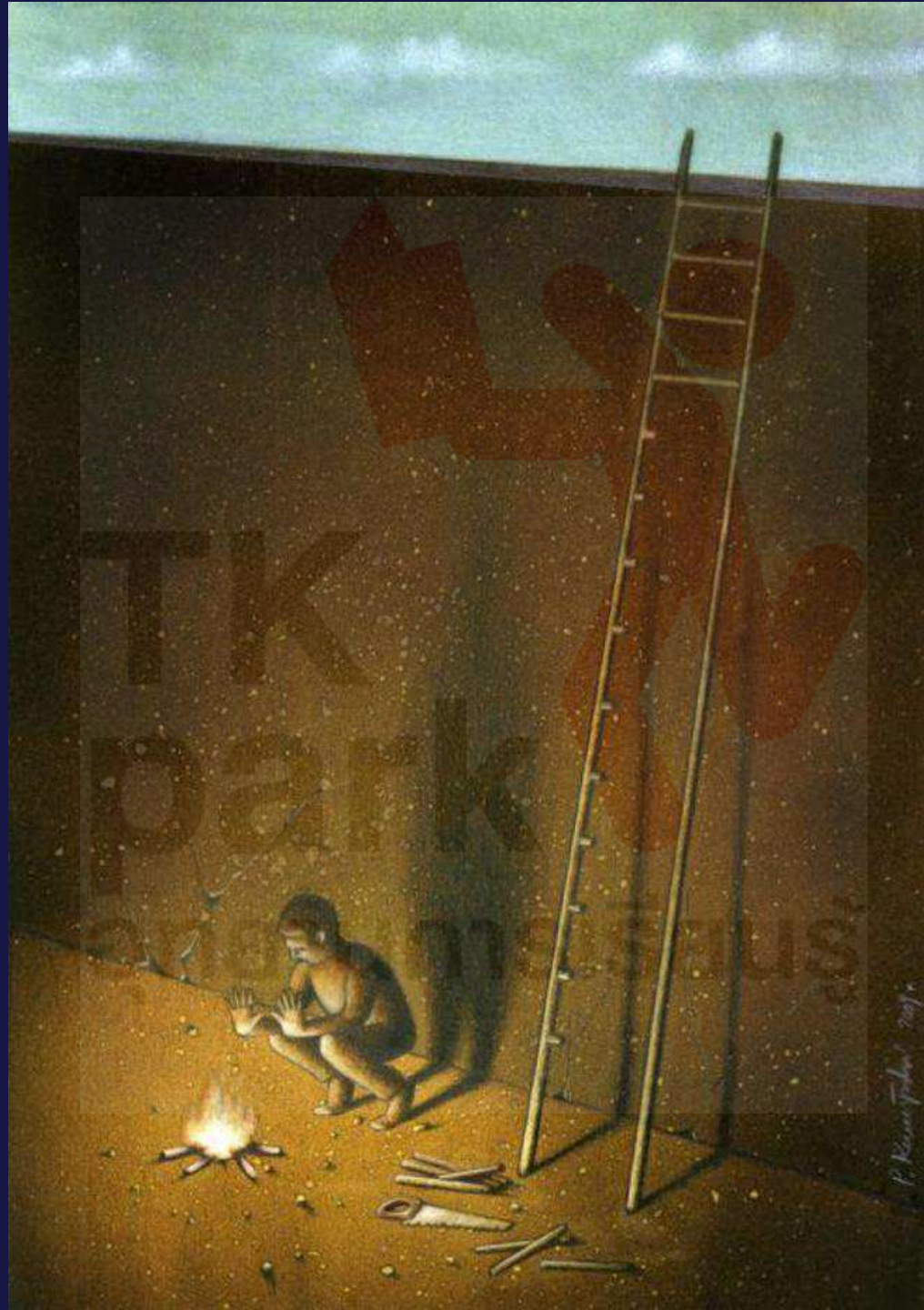


Krommenie: First solar road, generates energy



Three horizons

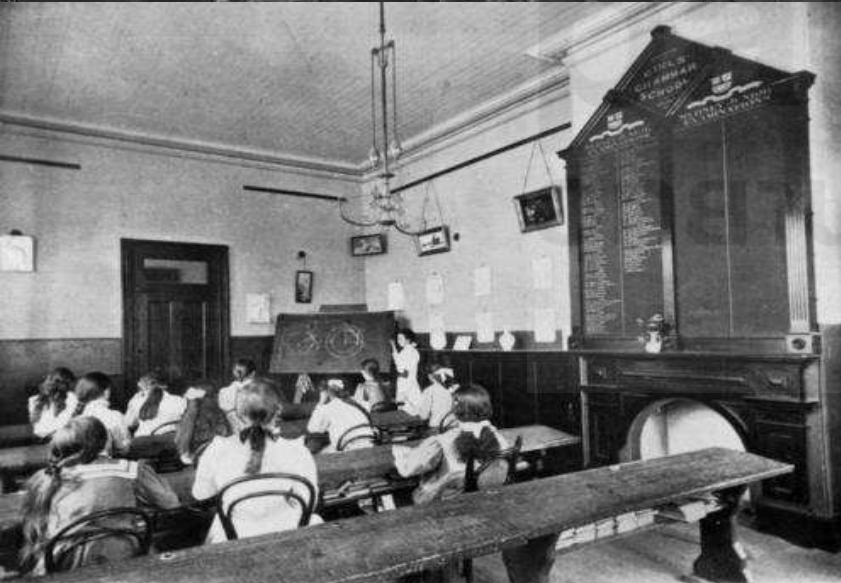




CASE STUDIES FUTURES IN PRACTICE



1. Old behavior dies hard – the used future

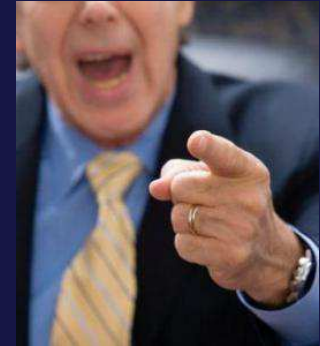


CLASS ROOM



Challenge the “factory”

- Creating digital pedagogies with students as stakeholders instead only principal “in charge”
- All are learners (in the emergent playground)



E-health Bangladesh –challenge the used future

- Moving the data not the patient
- Local community health workers
- The fly over story



2. Scan the environment and make the changes

For a better start in life
start COLA earlier!

How soon is too soon?

Not soon enough. Laboratory tests over the last few years have proven that babies who start drinking soda during that early formative period have a much higher chance of gaining acceptance and "fitting in" during those awkward pre-teen and teen years. So, do yourself a favor. Do your child a favor. Start them on a strict regimen of sodas and other sugary carbonated beverages right now, for a lifetime of guaranteed happiness.

The Soda Pop Board of America
1515 W. Hart Ave. - Chicago, ILL.

- Primary Active Lifestyle!
- Boosts Personality!
- Gives body essential sugars!

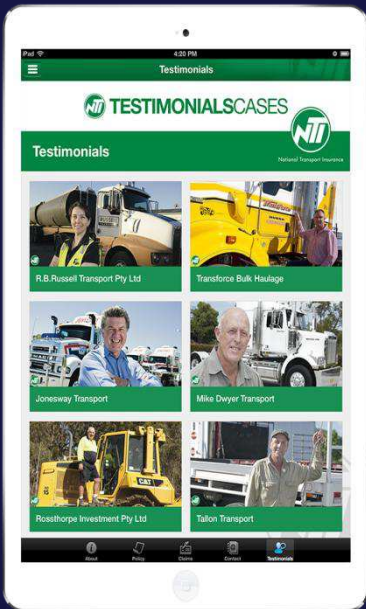
Are colas the new tobacco? – the turn to health



BECOME THE WORLD'S LARGEST WELLNESS COMPANY BY 2035



Insurance to Bio-informatics to Driverless trucks

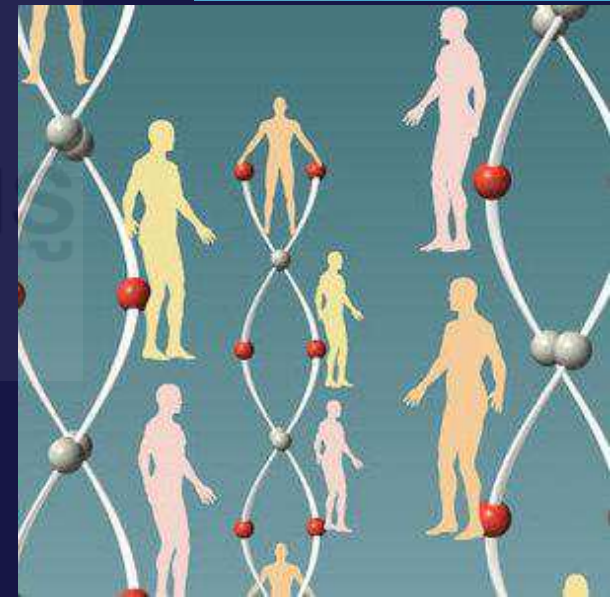


Google driverless cars coming to NY



HEALTH INSURANCE

- Move from generic risk profile to **person** specific risk profile
- Move from Insurer to Health knowledge and services **navigator**



Automation

- 1988 Kodak had 145,000 employees

13 employees,
30 million
customers



55 employees, 450
million customers,
bought for 19\$
billion



WhatsApp

3. DON'T WAIT FOR THE BAD TIMES



The internet is so fascinating!

That's the microwave!



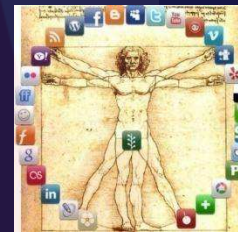
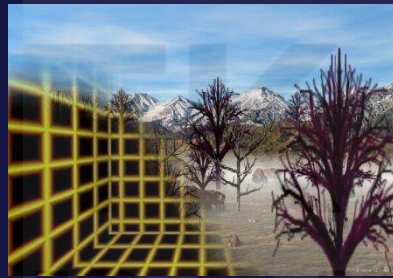
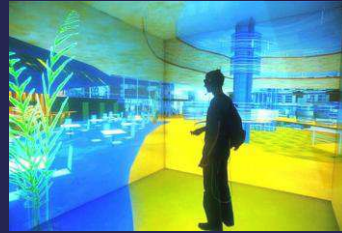
Slap



4. Library futures 2025

Direct
brain
downloads
and the
holodeck

“amazing
new
places”



One stop shop
– facilitates

“the heart of
the
community”

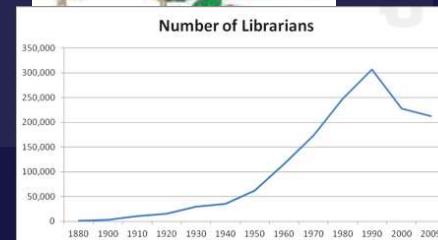
*The new
publisher,
using trust
to create
the new
library*

*“we co-
author”*

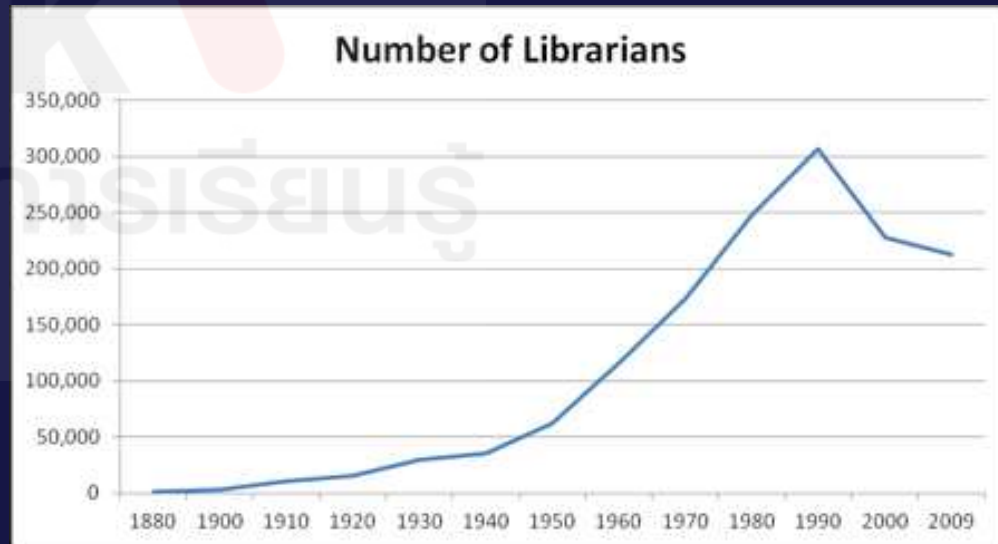
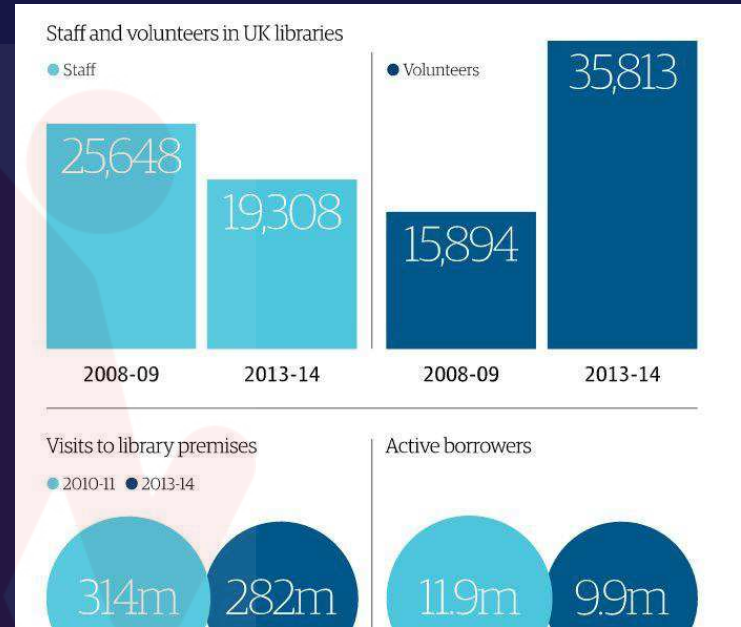


Digital dinosaurs

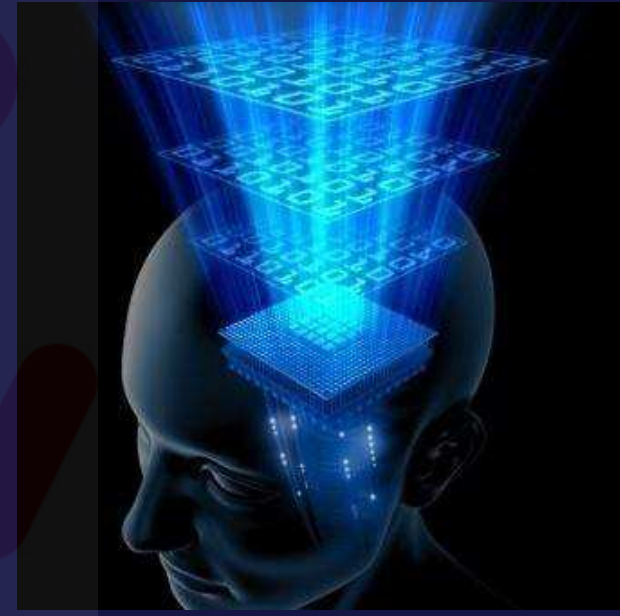
*“Libraries quieter
than ever”*



Dinosaurs

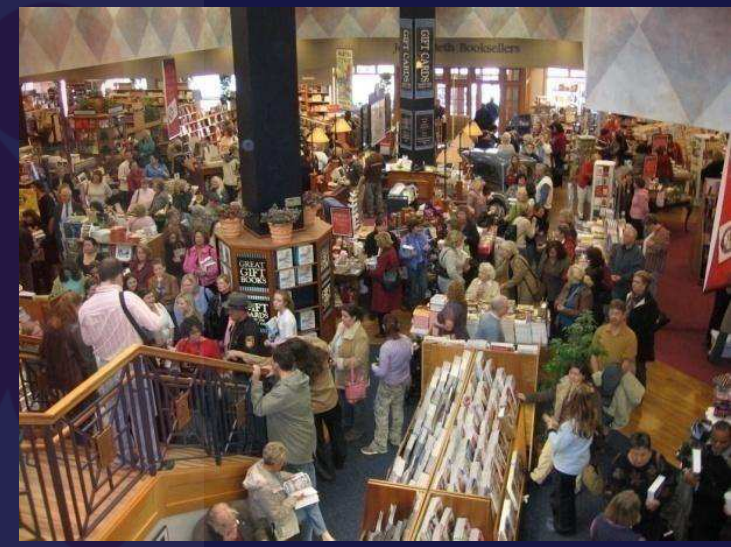
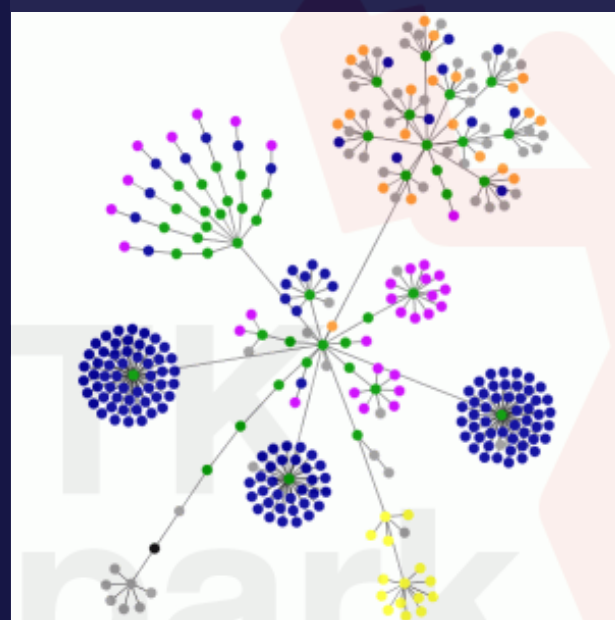


LIBRARY AS DIRECT BRAIN DOWNLOAD - HOLODECK



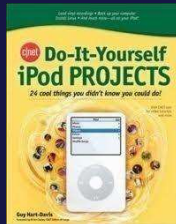
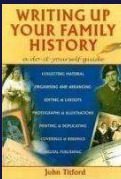
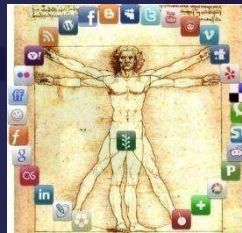
LIBRARY AS THE NEW PUBLISHER – USING TRUST AND CONNECTION

The new publisher, using trust to create the new library “we co-author”

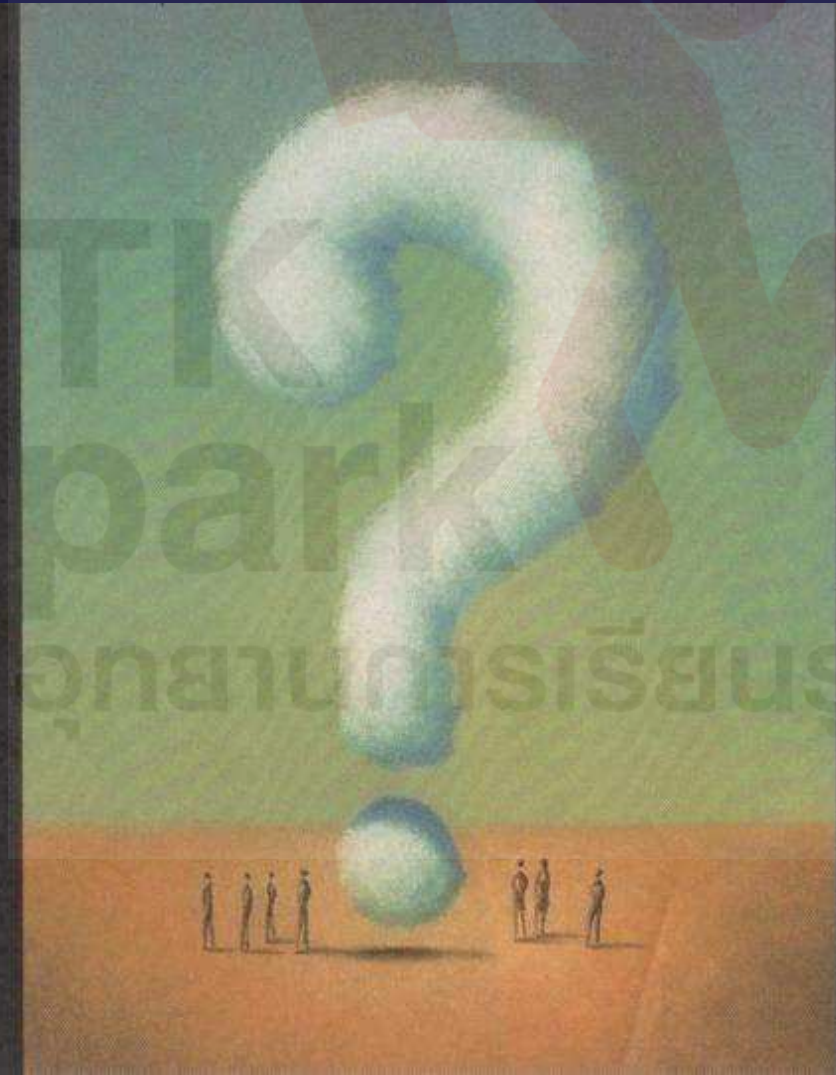


LIBRARY AS ONE STOP SHOP THAT FACILITATES CO-CREATION

- Library as one stop shop for knowledge-choices and futures
- Library as co-creation place, librarians as facilitators for people doing it themselves
- “Heart of the Community”



the fifth future?



5. Link story to strategy

- Narrative not linked to strategy or vision
- Culture eats strategy for breakfast
- Transform inner story and link it to vision-strategy



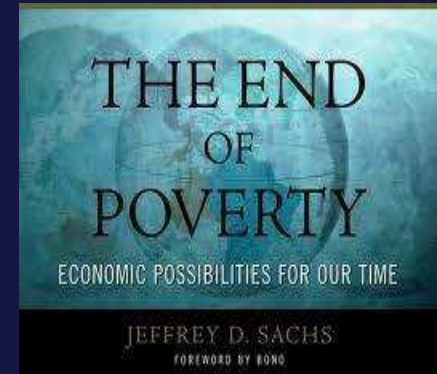
Metaphors and crime

CRIME DATA PRESENTED REMAINS THE SAME WITH EACH METAPHOR

Catching and jailing criminals



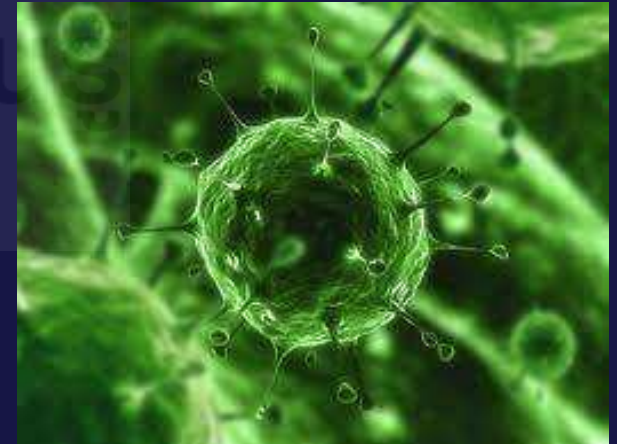
Education and ending poverty



Crime as a beast



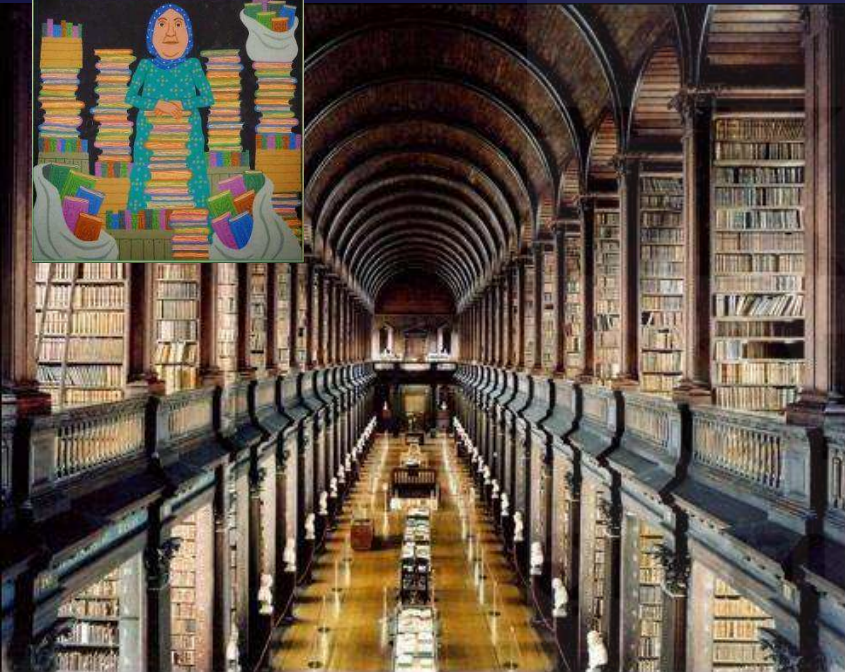
Crime as a virus



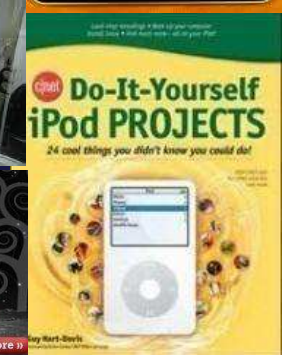
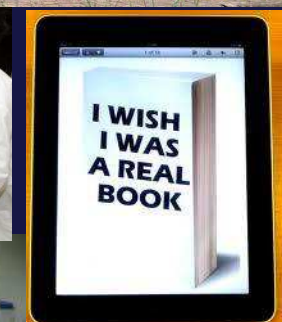
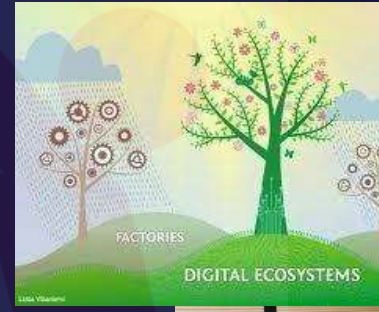
Castle surrounded by hungry wolves



From the “collection” to the ecosystem of alternatives



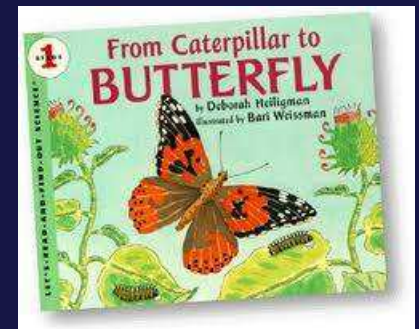
Keeper of the collection



Innovator of the gardens

More metaphors

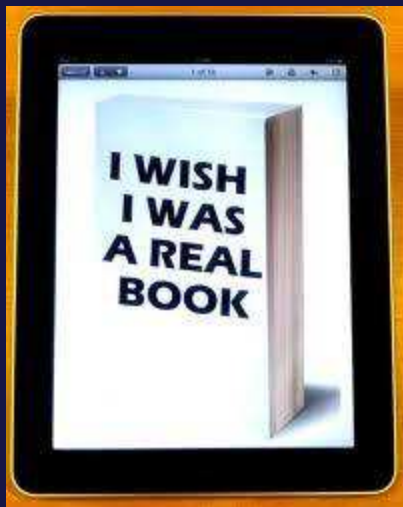
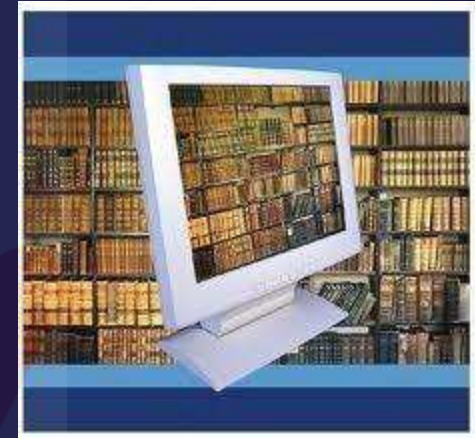
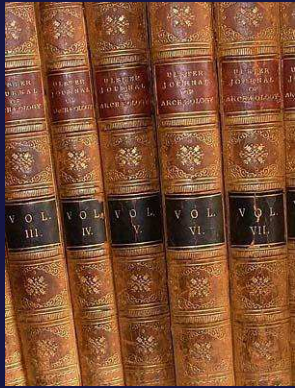
- Library that keeps on changing
- Library in the midst of transformation
- An atom/election – creates energy through sharing, co-locating and transactions



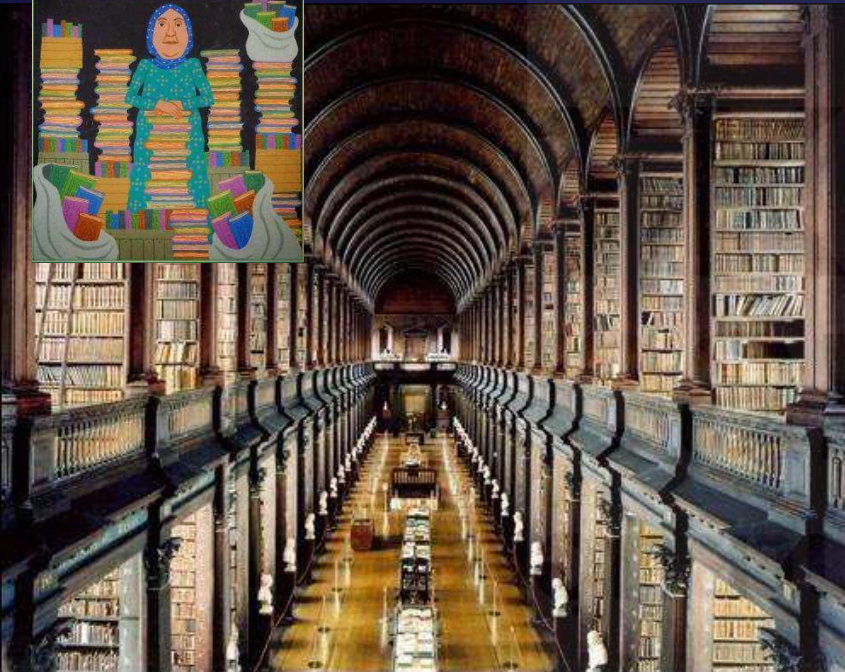
Old and new story of the library and the librarian



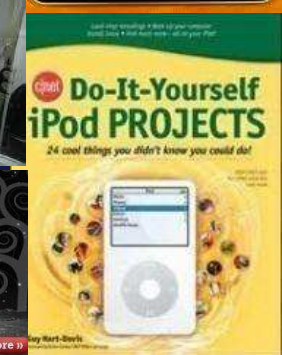
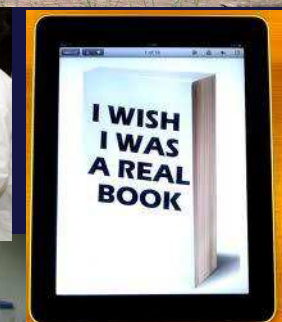
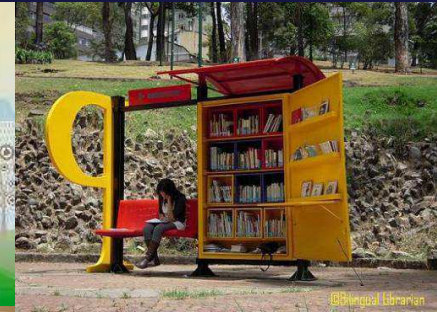
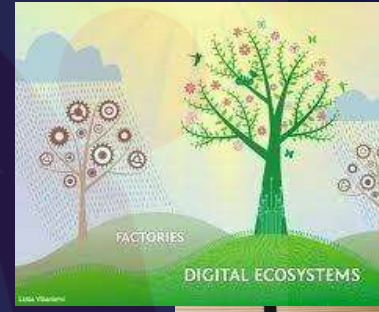
Caught between two worlds – inner story from the participants



From the “collection” to the ecosystem of alternatives



Keeper of the collection



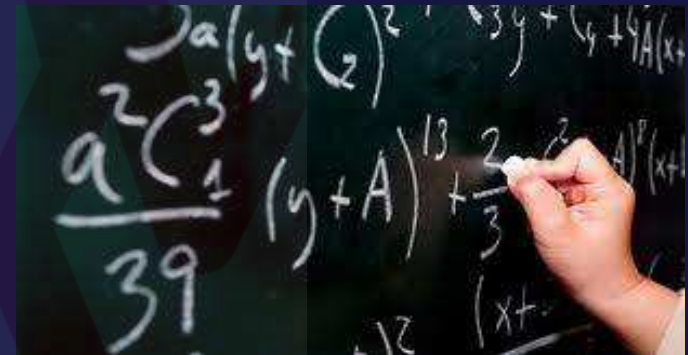
Innovator of the gardens

From *the score keeper* to *the trusted expert*



Scorekeeper

Neutral – trusted by all
Reactive
Well-budgeted



Trusted expert

Advises all stakeholders
Attentive to weak signals of change
Re-measures the future

new metaphor - Singapore

7

EVERYTHING WITHIN REACH

M
E
T
A
P
H
O
R.



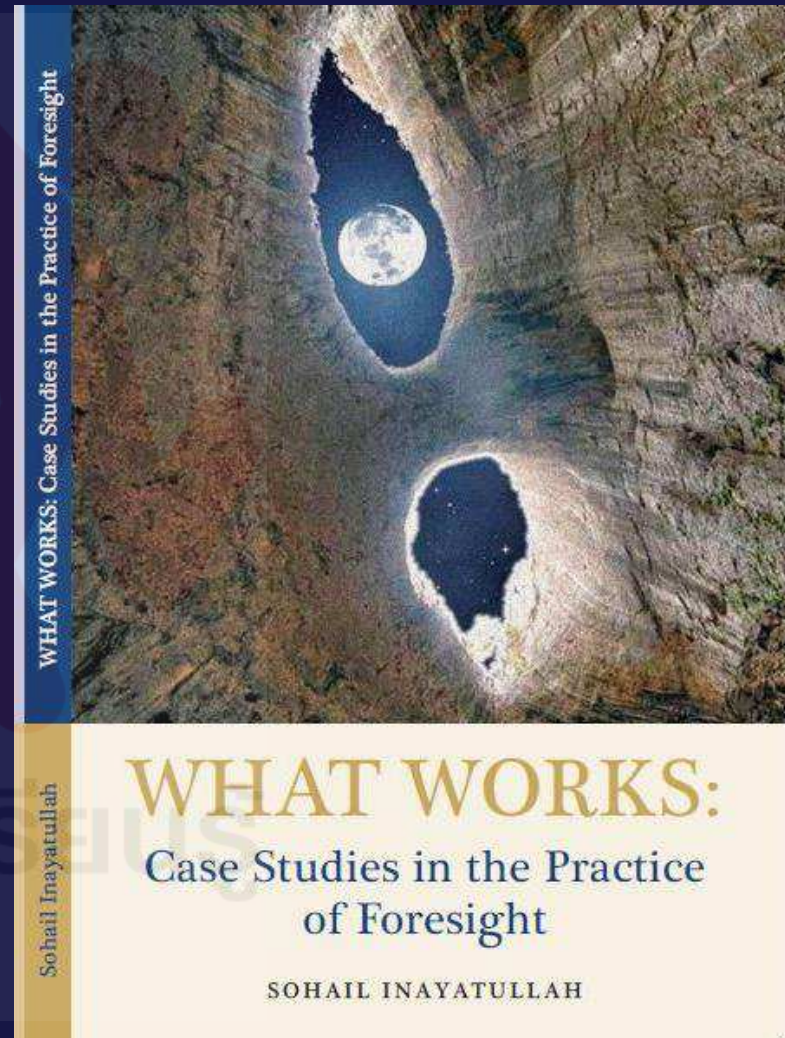
Driver etc will block.

Libraries in transition

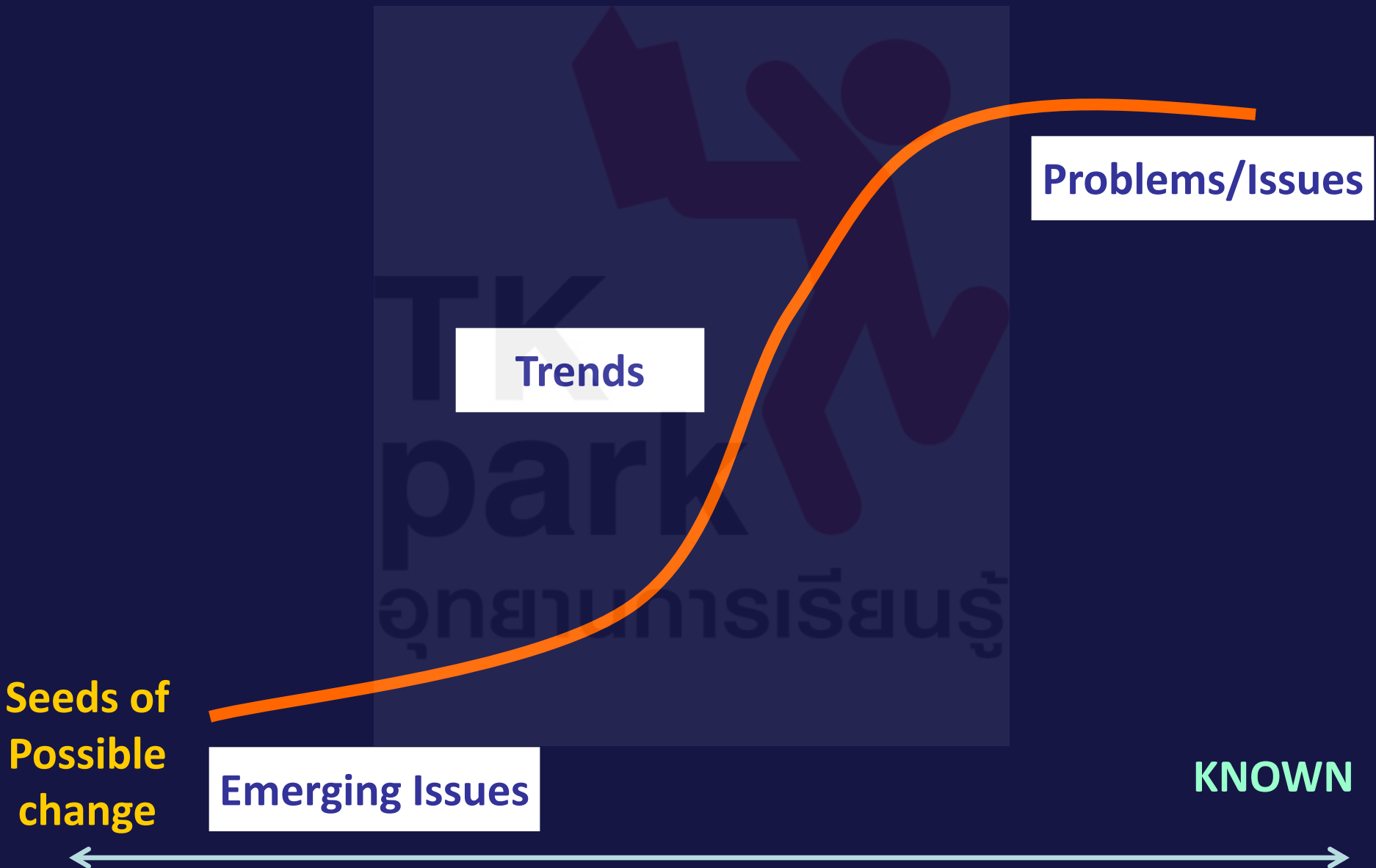
Books loaned	Visits, workshops, engagement
The ordered collection - books	Co-design, connected collection of books, ebooks, and the changing needs of the public -=
Expert - vertical	Facilitator, co-curation, flatter
The keeper of the collection	Innovator of the gardens

What works

1. Challenge the default/used
2. Scan the environment for emerging issues,
3. Don't wait
4. Create alternative futures
5. Link story to strategy

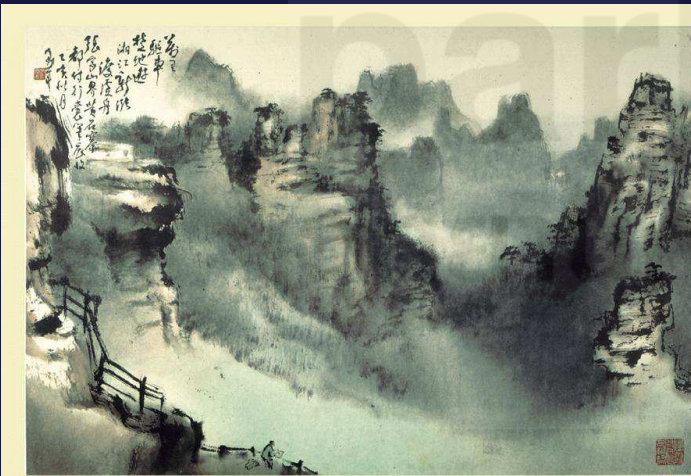


Emerging Issues Analysis



Words of Yang Chu, while weeping at the crossroads – Hsun-tzu

Isn't it here that you take a half step wrong and wake up a thousand miles astray?



香港科技大學圖書館主辦
歐豪年國畫展

一九九九年九月十日至十一月八日

大埔圖書館 • 香港科技大學圖書館

The Hong Kong University of Science and Technology Library presents An Exhibition of Chinese Paintings by Au Ho-nien 10 September to 8 December 1999 • Ping Tsun and Kinney W King Gallery University Library

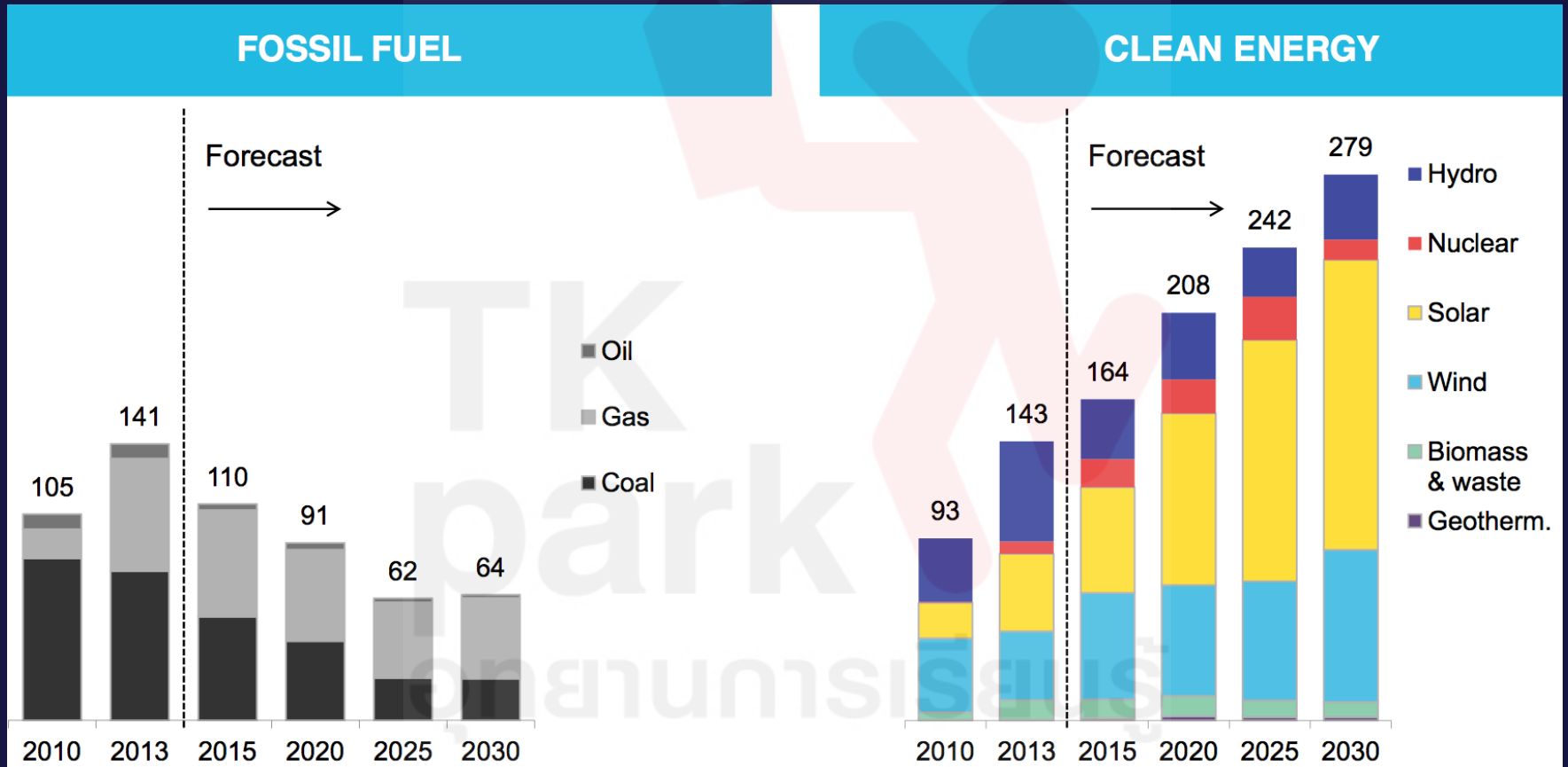


Waves of change

1. Repricing of nature (water, peak oil, carbon)
2. Peer to peer and the challenge to hierarchy
3. Bots everywhere (apps for everything)
4. Healthy cities (interactive, designed, green)



1 THE GREAT TRANSITION



The race for renewable energy has passed a turning point. The world is now adding more capacity for renewable power each year than coal, natural gas, and oil combined. And there's no going back - Tom Randall, Bloomberg

GAINS FROM GREEN BUILDINGS

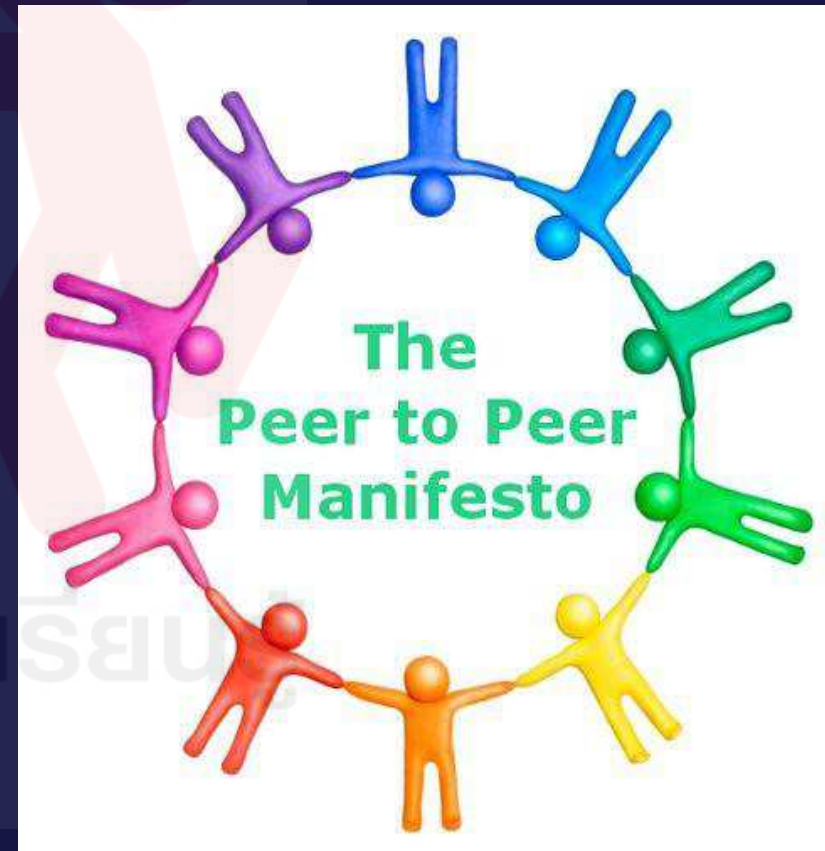
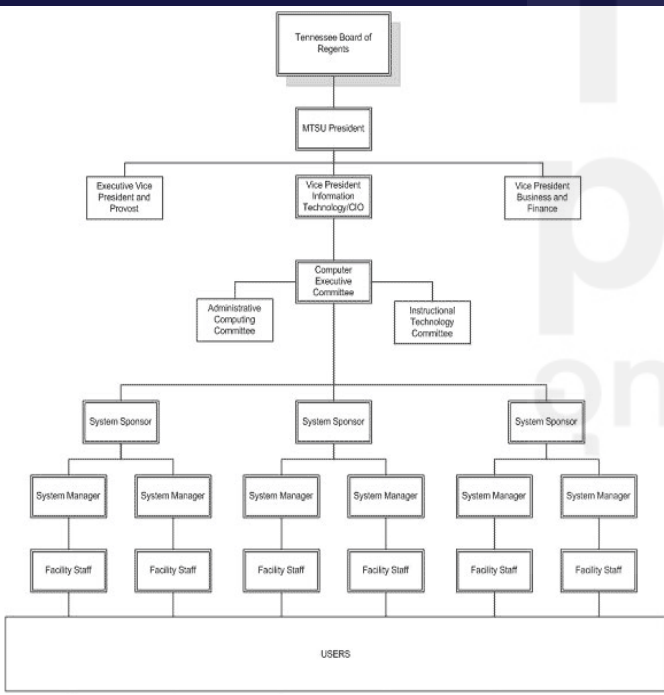
- Higher productivity (16%)
- Overall [positive] feeling about the environment" increased by 60%.
- Up to 160 billion dollars in gains from worker productivity in green buildings
- 60 billion \$ to be spent on green buildings by 2013
- Air conditioner that controls superbugs ie prevents sick buildings (Kunne)
- Building that eat smog





2. Peer to peer – from Pyramid to Flat world


You add value



HEALTH 2.0 the challenge to vertical expertise


Personal Experiments Home Research Live Help About Register Login

Use the tools of science to improve your life




Find Treatments

This site contains dozens of small lifestyle changes and alternative therapies you can try out on your own. You can review references to articles on the web and participate in discussions.




Track your Health

We make tracking the ups and downs of your health simple through pre-defined or user-defined SMS surveys, mobile applications and 3rd party devices like the Zeo sleep device, Fitbit activity tracking, etc.




Experiment

The personal experiments supported by this site help you evaluate the impact of "trying something out" by adding a little bit of structure to how you try it, and measuring what you are most interested in.




Share Outcomes

You can journal your experiences privately or discuss them publicly. Your results will be anonymously aggregated and used to help others prioritize their treatments.



Design your own




You can use a pre-defined experiment, or you can add your own treatments and experiments. You can share links to papers, articles, or forum posts about the treatment.



Support Research

This site supports several MIT research projects that are improving the way individuals and communities make personal discoveries about their health.

Created/Sponsored By

mHealthcoach®

REAL TIME Feedback Light™



Scan code with your smart phone QR reader

Give real time feedback now!

- Send immediate feedback
- Improve quality of care
- Your feedback is important
- Make your opinion count

Feedback is immediately sent to a representative

<http://www.mhealthcoach.com>

QUALITY OF SERVICE



Excellent

Good

Average

Bad

patientslikeme®

Home About Us Contact Us Search

Find Patients Just Like You

On you have a life-changing condition? Learn from the real-world experiences of other patients like you.

Join Now! (it's free!)

Common Disease Communities

- Alzheimer's Disease
- ALS/MND
- Epilepsy
- Fibromyalgia
- Chronic Fatigue Syndrome/ME
- HTLV/AIDS
- Musl Conditions
- Anxiety
- Bipolar

See how PatientsLikeMe can help you take control of your health:

Share your health profile

Answer simple questions to create a shared health profile to see how you're doing over time.

Find patients like you

Search by gender, age, treatment, symptoms, and time since diagnosis to easily connect with patients like you.

Learn from others

Learn from real-world treatment and symptom reports, forum discussions, health profiles, one-on-one conversations and more.



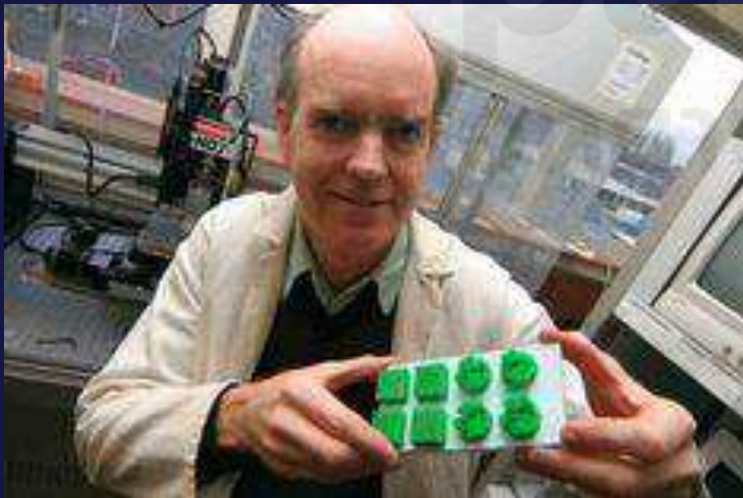
**“I already diagnosed myself on the Internet.
I’m only here for a second opinion.”**

The new cooperative economy



- GE – co-creation economy
- Reduce investment costs by crowdsourcing innovation
- Wider reach – titanium jet engine bracket design won by 21 year old student from indonesia

3d printed everything? – You are the maker



Open Ministry – Crowdsourcing Legislation

The Finnish constitution allows citizens to make legislative changes. 50,000 supporters are required within six months. Forces the government to examine law, clarify or put it to vote

Open Ministry - Crowdsourcing Legislation

The screenshot shows a webpage from 'enterprise efficiency' with the tagline 'the efficient information technology community'. The article is by Susan Fourtané, a Journalist and Writer, dated 7/24/2012, with 11 comments. The article discusses how companies are crowdsourcing everything from car designs to marketing slogans and asks why governments shouldn't follow suit. It introduces 'Open Ministry', a crowdsourced legislation platform in Finland, which aims to open democracy to 21st-century tools and social networking to make positive change. The article notes that any citizen of voting age can propose new legislation for evaluation by the Finnish Parliament. Below the article, there is a 'Crowdsourcing Legislation' section with a publication date of 24.7.2012 by Susane Fourtané. It repeats the article's main points and includes a link to the 'Citizens' Initiative Act'.

AVOIN MINISTERIÖ

The Open Ministry (Avoin ministeriö) is about crowdsourcing legislation, deliberative and participatory democracy and citizens initiatives. It is a non-profit organization based in Helsinki, Finland.

We help citizens and NGO's with national citizens' initiatives, EU citizens initiatives and develop the online services for collaborating, sharing and signing the initiatives.

Our (Finnish language) platform is at <http://avoiministerio.fi>.

The Finnish Citizens' Initiative

The European Citizens Initiative in Finland

Contact Us

Search

My blog All of Tumblr

+ Follow on tumblr.

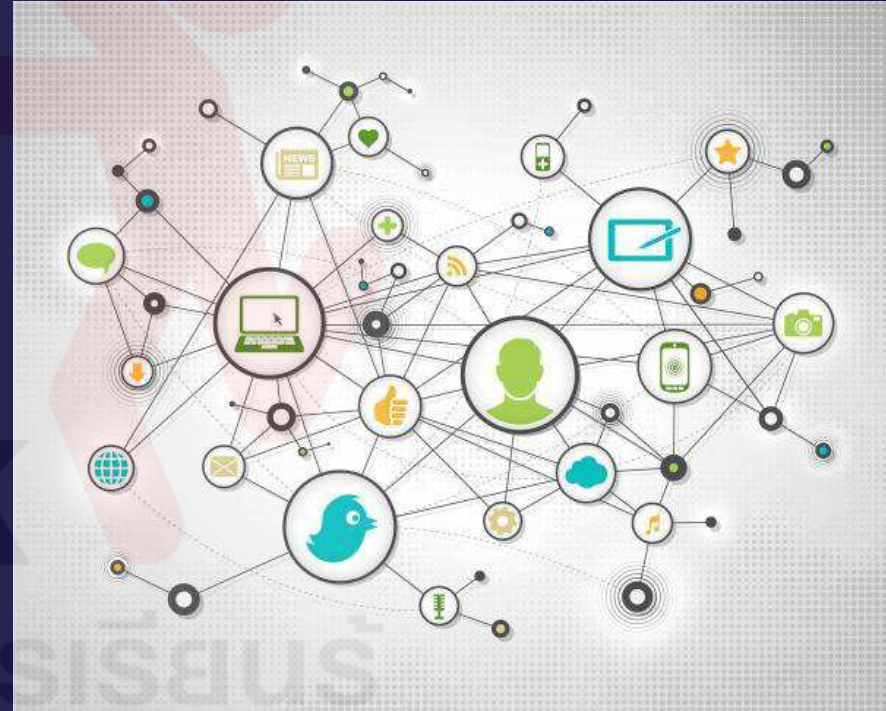
Latest Tweets



Our initiative to change the Copyright Law in Finland has 15k

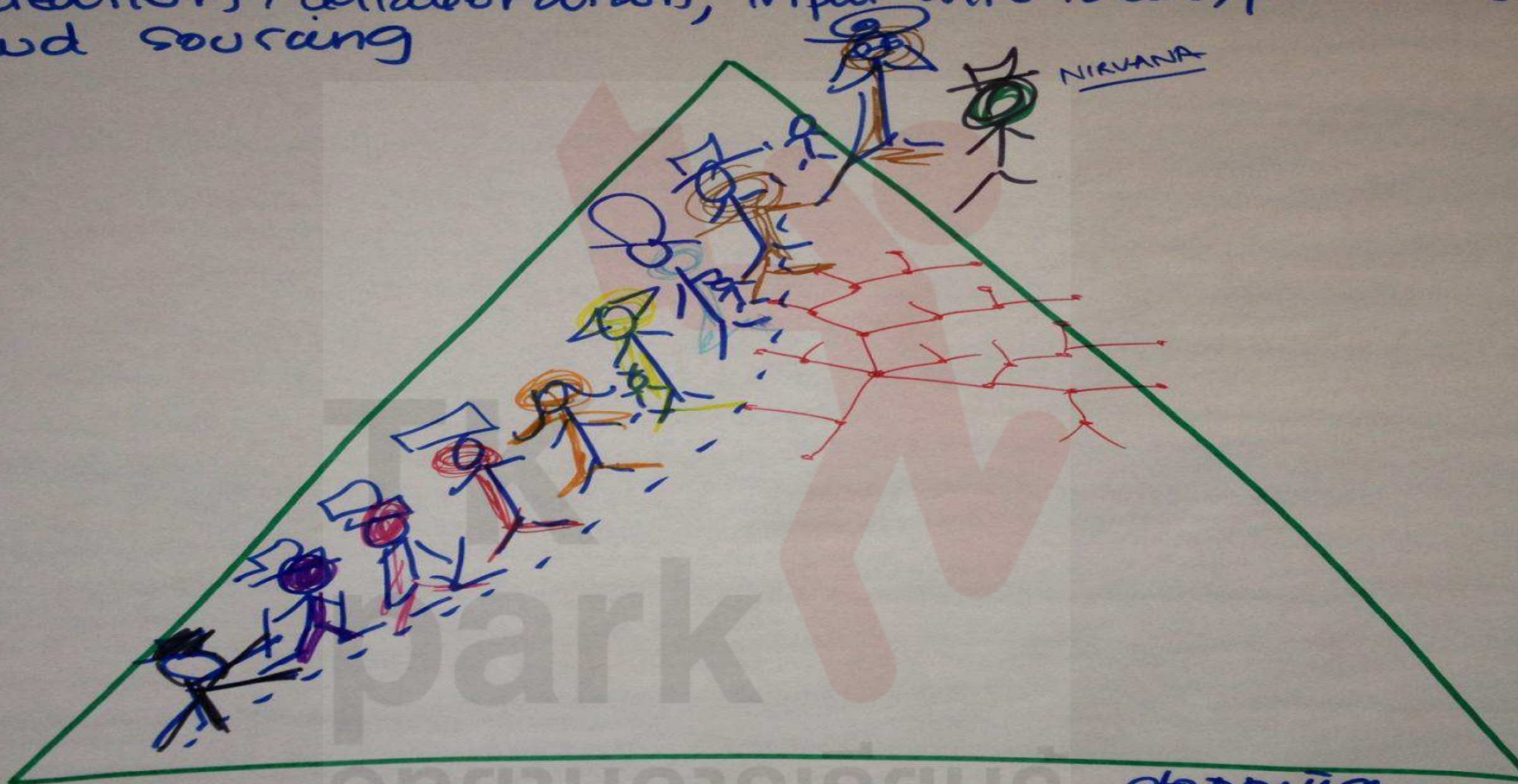
Nodes have extraordinary power to shape

- Influence makers can shape not what we think but what we think about
- Connectivity (friends)



The Connected Museum

Co-creation, Collaboration, input into ideas, planning
crowd sourcing



Pushing

- people demanding content across diff (platforms/media) in diff ways.
- Reprioritise - align strategies to be relevant.
- Diversity
- Sustainability

New world / (State) order

Stopping

- Maintain existing collection / content sourcing paradigms
- losing position of authority
- wedded to existing priorities

3. Artificial intelligence: *the bots and app revolution*

- Personalized

- Learning

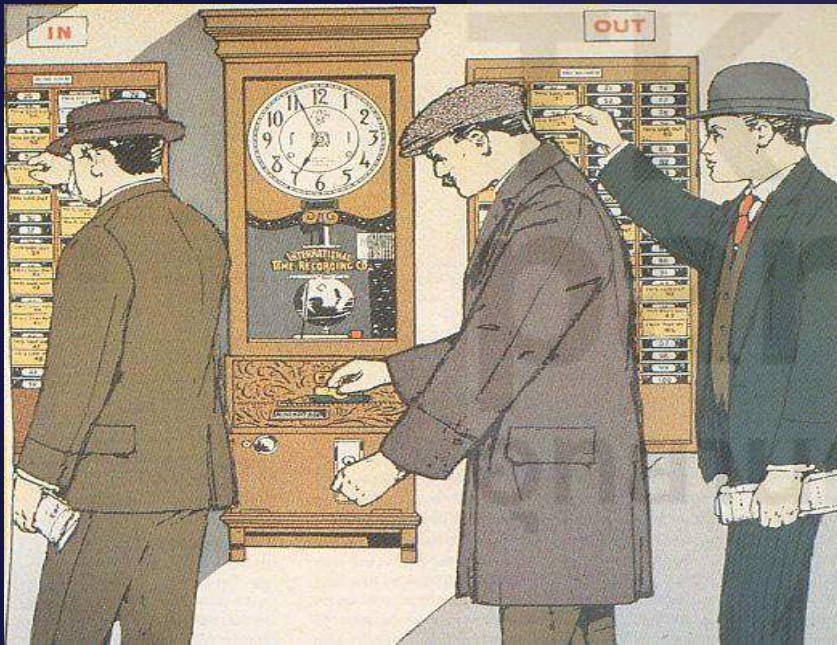
- On demand

- Big data-ai driven ie predictive

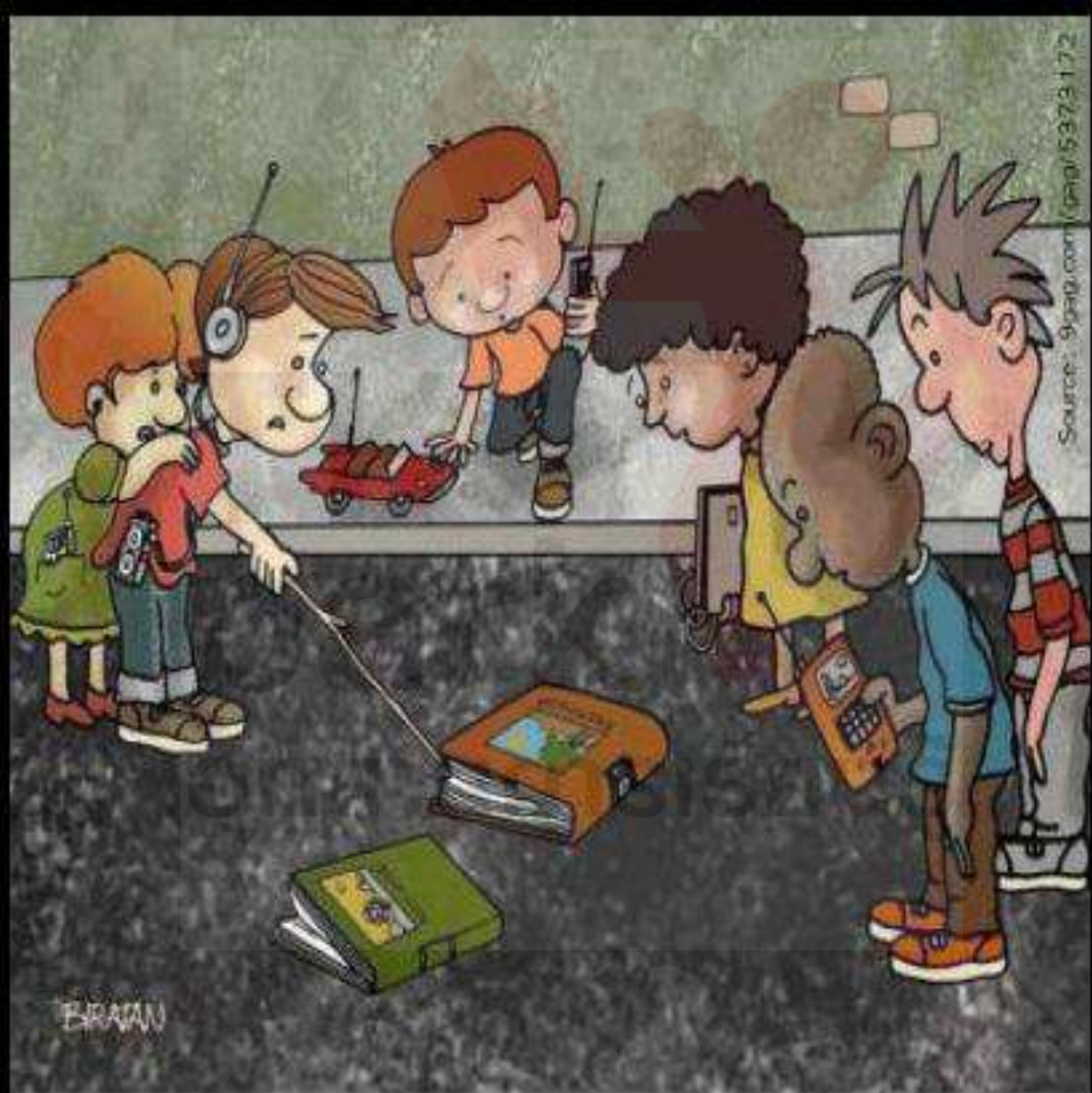
- mobile



Factory time to ?

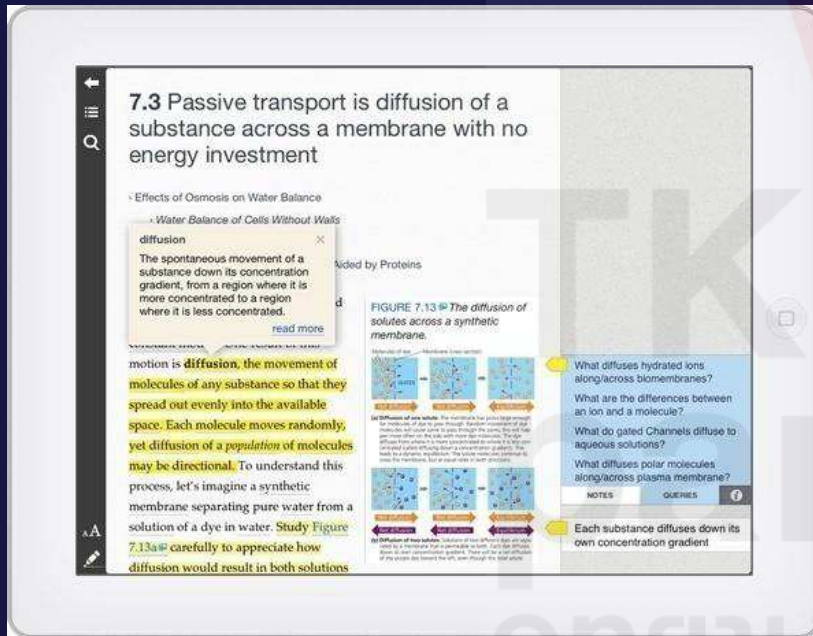


Teenagers find a book



Source: 9000.com (img/5373172)

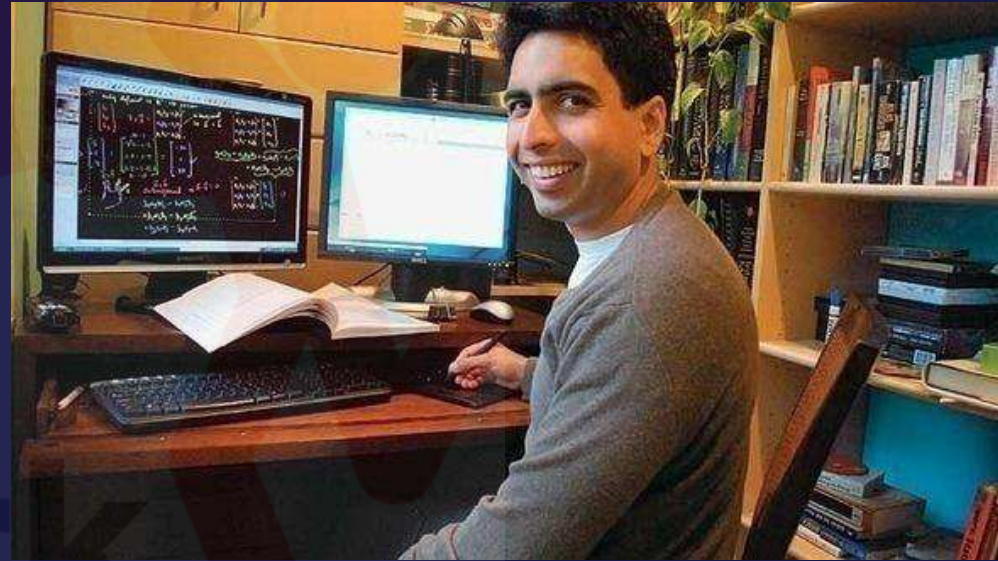
The first intelligent textbook



Want to know more about your subject? Type in your own question and artificially intelligent software will construct a new page to answer your query

MIT scientists have created a 'wearable' book using temperature and lighting to mimic the experiences of a book's protagonist

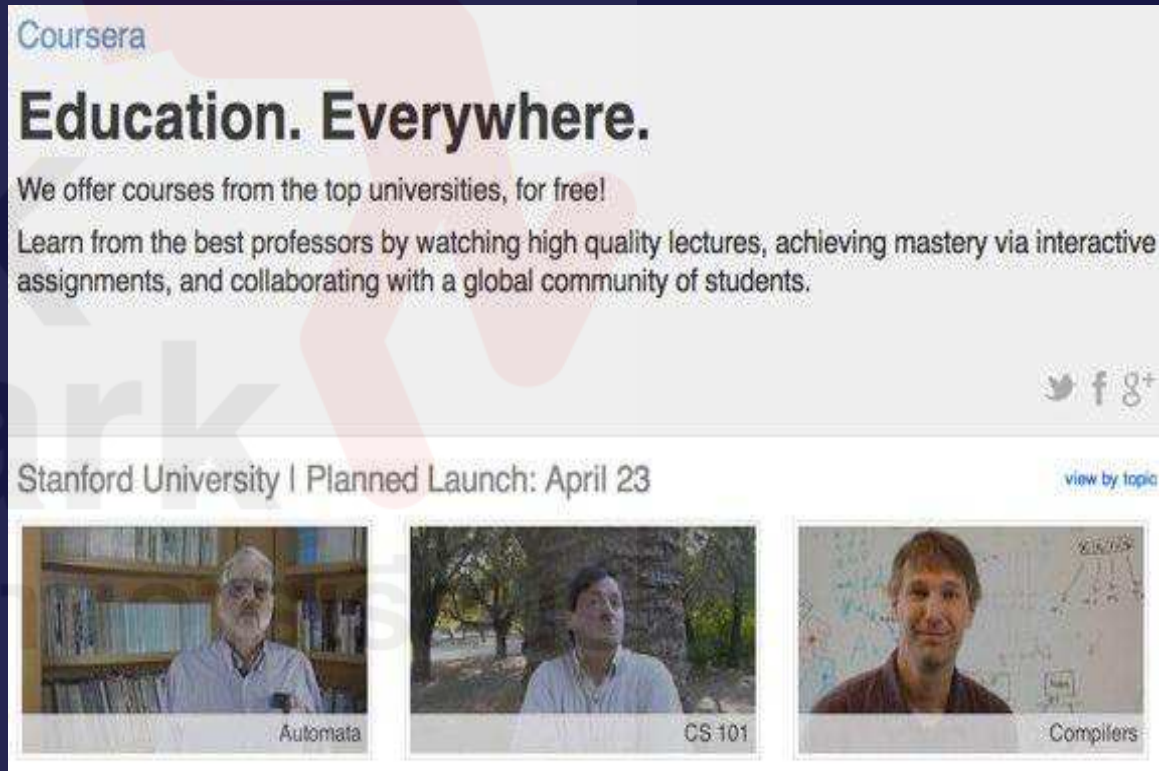
A global classroom – one Bangladeshi lecturer



Six years, 27000 video lessons, 86 million lessons delivered. All free. 70,000 students watching 35000 videos daily.

Free universities

- Sebastian Thrun, Professor of Artificial Intelligence opens up his Stanford Artificial Intelligence class. (normally for 200 students). 160,000 students signed up and 23,000 graduated. Top 400 were all on line students.
- 1 million students signed up for Coursera



Coursera

Education. Everywhere.

We offer courses from the top universities, for free!

Learn from the best professors by watching high quality lectures, achieving mastery via interactive assignments, and collaborating with a global community of students.

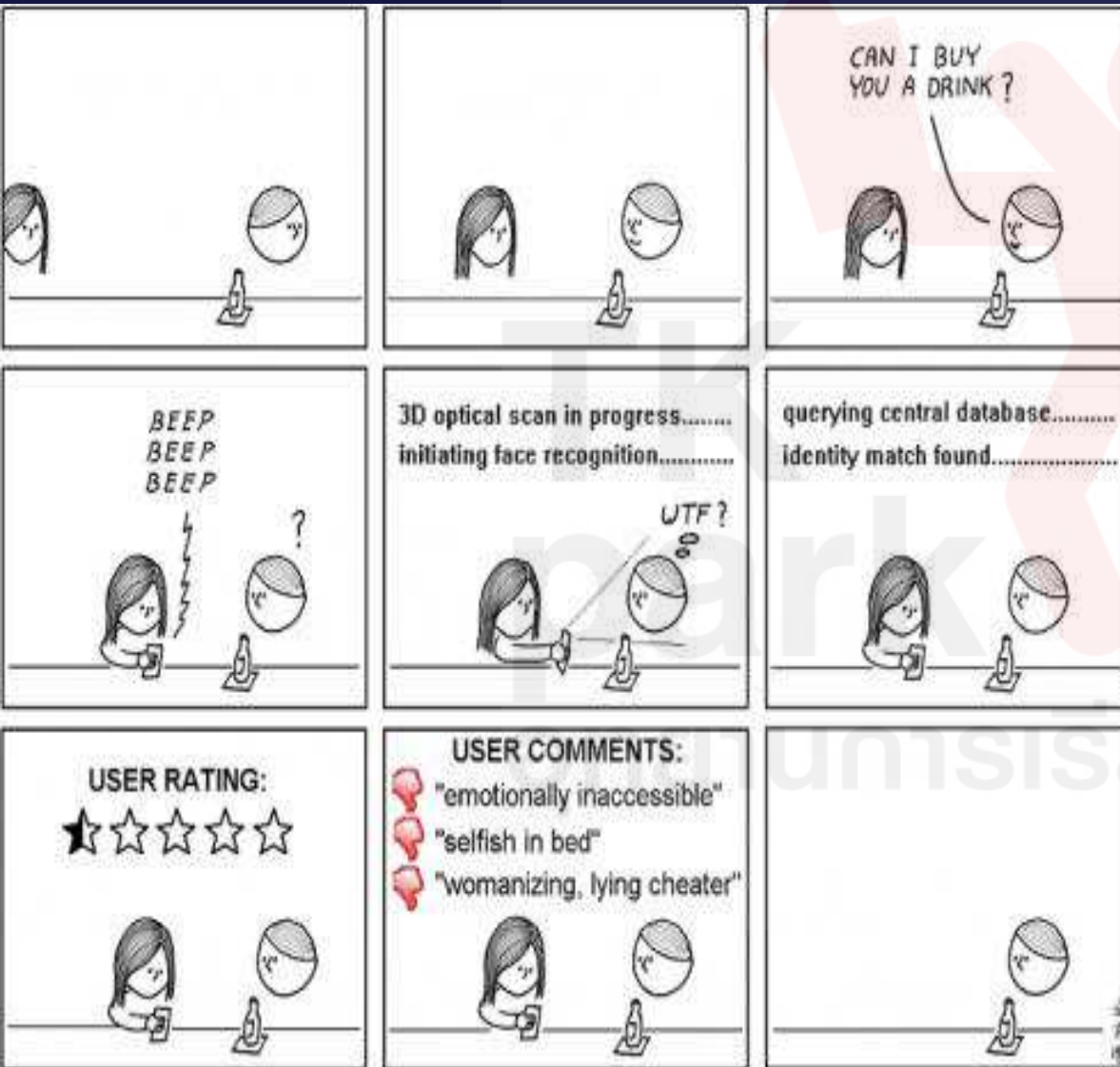
Stanford University | Planned Launch: April 23 [view by topic](#)

Automata

CS-101

Compilers

Dating Futures



www.okcupid.com

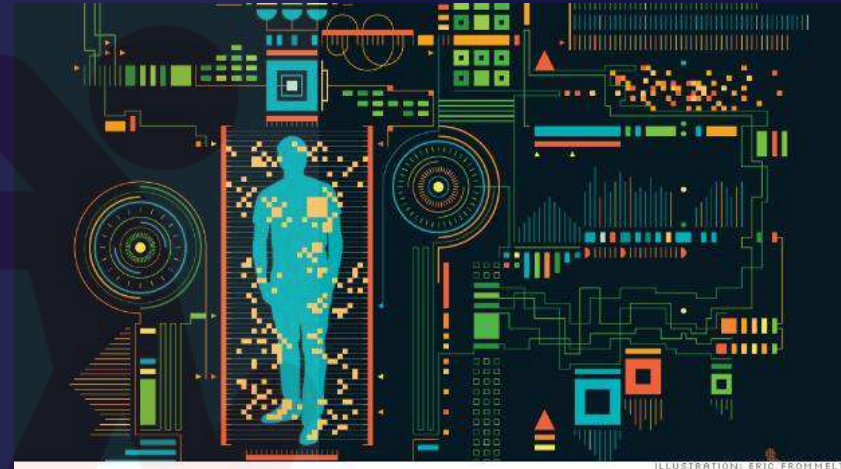
Horror movies as
best predictor

Men – don't smile
and look away from
the camera

Women – coy, front
down

THE QUANTIFIED SELF – you are the data

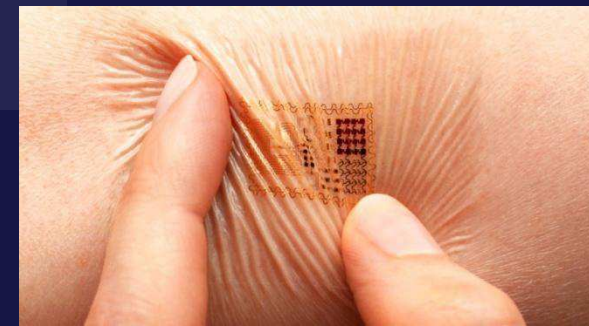
Personal data



Collective data



Built in data



Smart – devices to cities

Smart devices

real time and
personalized



Smart homes

full information
and energy
producer



Smart Grids

Linked to the grid,
with ways to delink



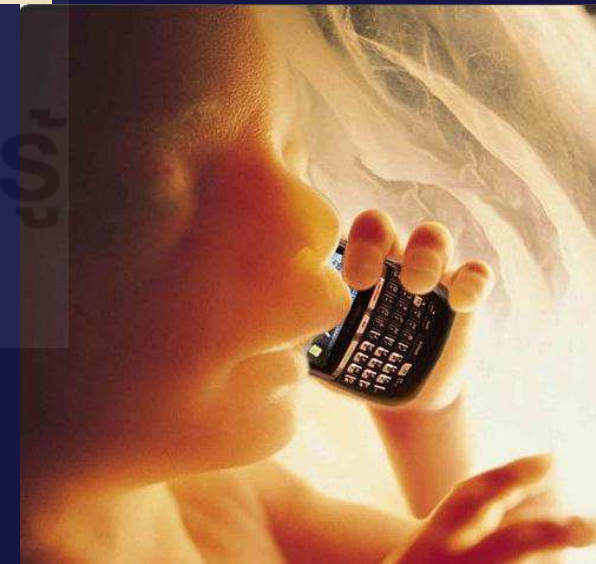
Smart cities

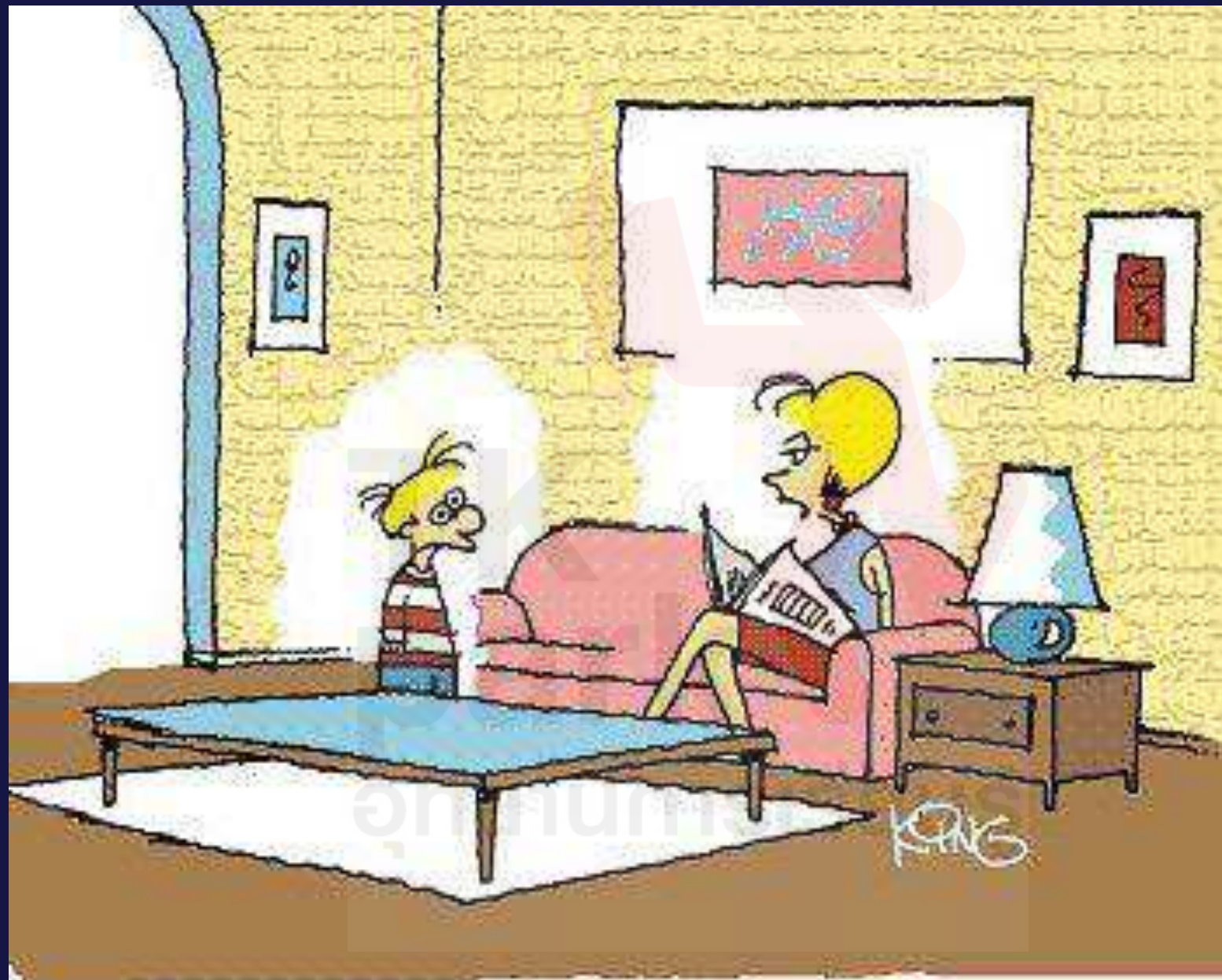
Who will drive the changes?

From migrant to native

“Digital Natives” My A*s...

- ~ RSS?
- ~ Wikis?
- ~ Blogs?
- ~ Digital Storytelling?
- ~ Podcasting?
- ~ Copyright and Creative Commons?
- ~ Twitter?
- ~ Quality?
- ~ What are those?

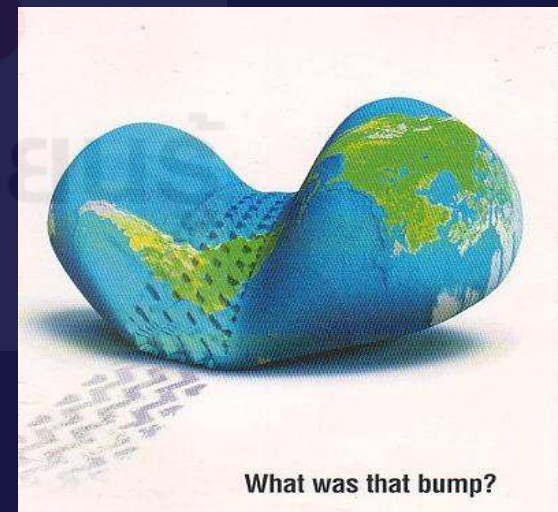
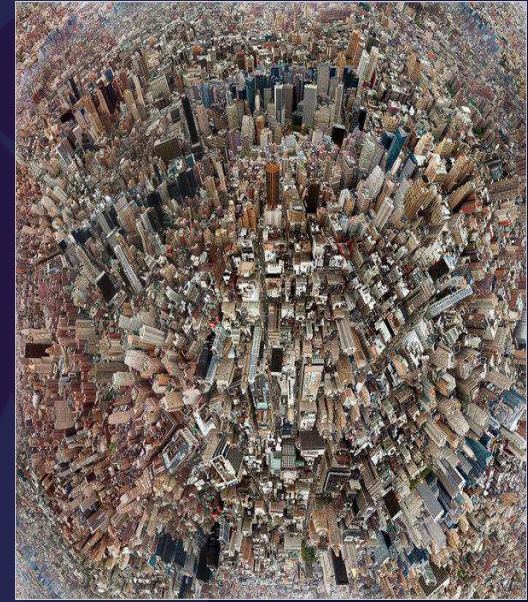




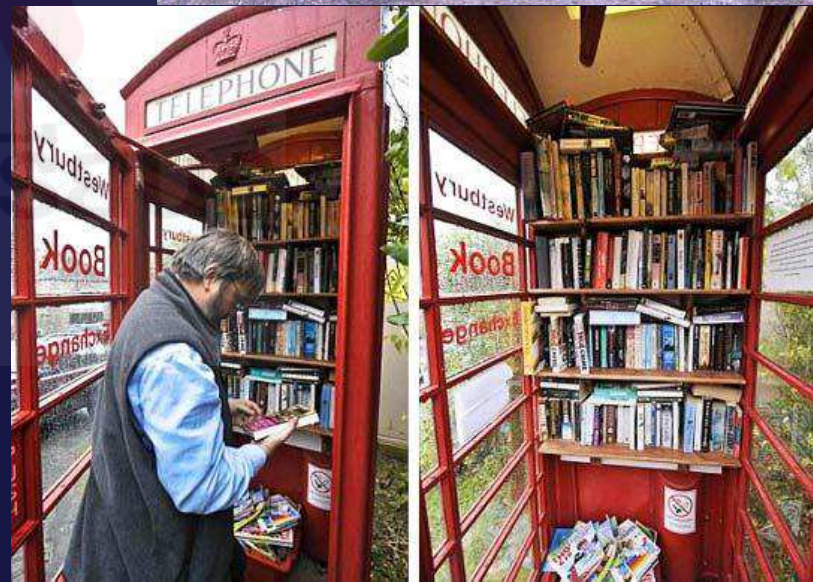
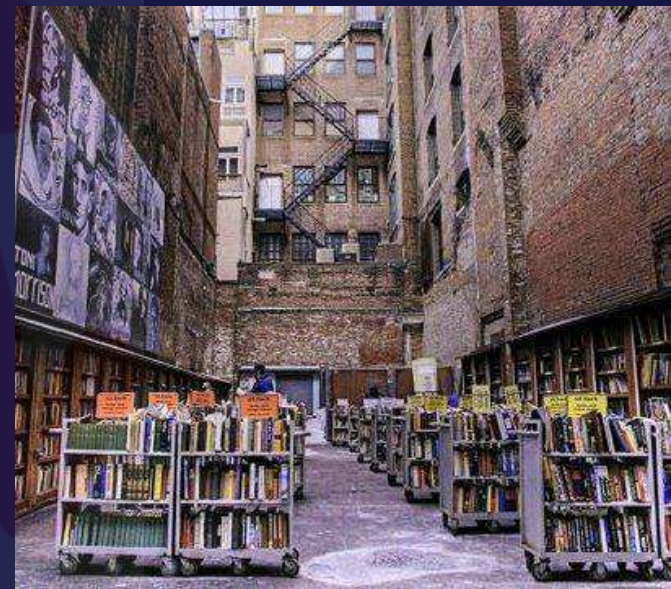
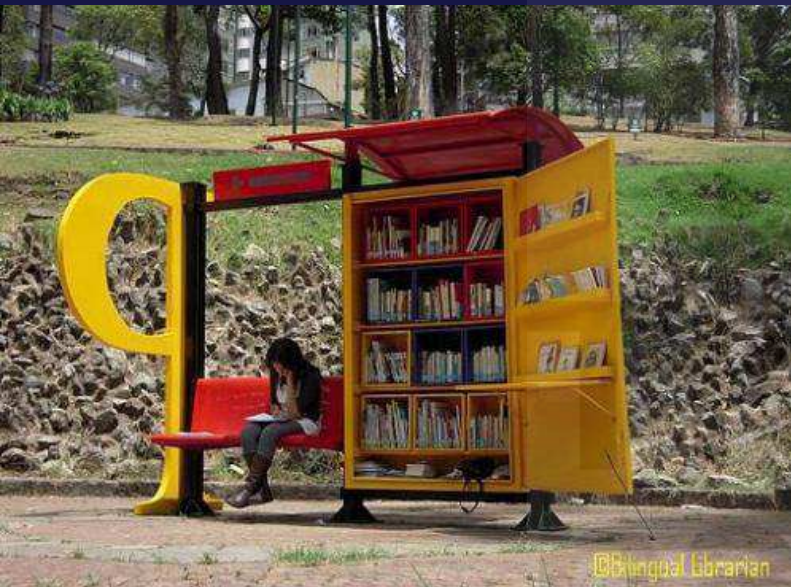
*"No, you weren't downloaded.
You were born."*

4. Smart, green, healthy designed cities

- City design and health
- Sprawl and drought
- Clogged roads and clogged arteries



NICHE LIBRARIES



The moveable library

The Space of Culture [concept of movable library services]

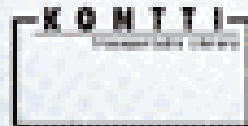
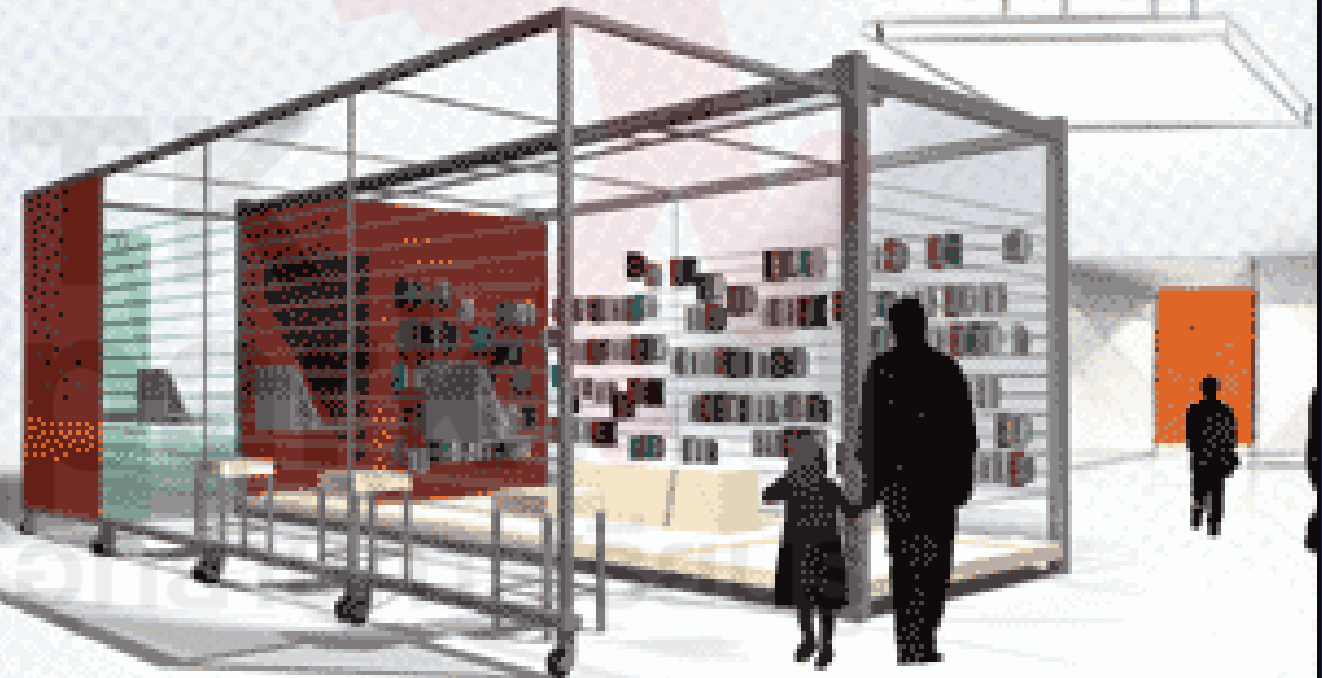
What if library services would also be available in other spaces than library buildings?

In contemporary society public libraries seem to have a hard time. At the same time forms of culture are affected.

We integrated features of transportation of cargo to the tradition of library service. The idea of the mobile container is an innovative library service point with temporary loans. A library container of its kind could move time-to-time to other locations where library services would be available at the same locations such as shopping centers, market places, office buildings and museums.

The concept has multiple features. One conceptual books a movable unit where movable heavy units can be attached.

Books available in each container form a unique thematic collection. These collections could be easily circulated between containers.





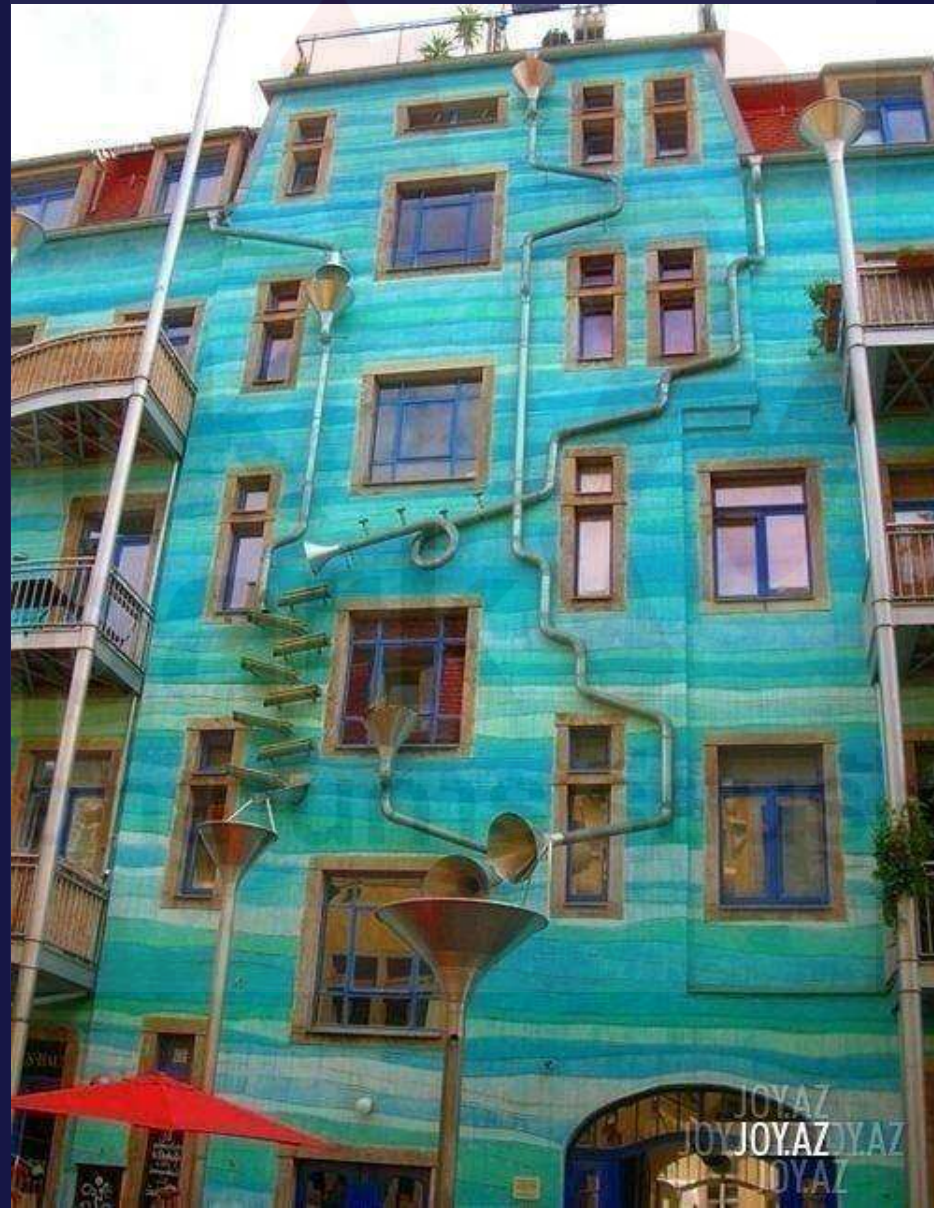
Technology Park

- Knowledge consumption for digital natives
- New spaces for new minds
- Interactive, game creating
- Co-location in the Asian cathedrals (shopping centres)



Building plays music when it rains

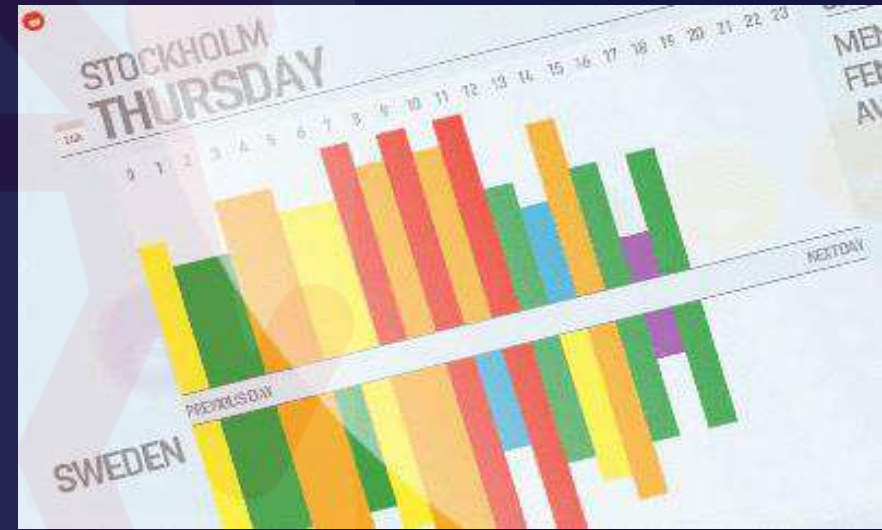
dresden, germany







Emotional buildings, emotional cities, emotional materials – enhance the immune system



Gross national cool



K-pop/drama = 5 billion annually

100\$ of K-pop leads to \$ 400 rise in electronics – BBC

Waves of change

1. Repricing of nature (water, peak oil, carbon)
2. Peer to peer and the challenge to hierarchy
- user adds value, crowdsourced
planning/learning
3. Bots everywhere (apps for everything)
4. Healthy cities (interactive, designed, green,
smart)







More information at:

Meta-
future.org

Metafuture.org

