weak signalswhat ? Where? and How?

...Let's talk about little strange things in life that could have meaning for the future...

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what ?



Something strange, new, amazing, crazy that <u>exist today</u> and might foretell about fothcoming changes – or then not.



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what?

Pioneer of weak signals study is Igor Ansoff (starting from 1970's):

"weak signals are warnings (external or internal), events and developments that are still too incomplete to permit an accurate estimation of their impact and/or to determine their complete responses"

A new theory of weak signals: E.Hiltunen, *The future sign and three dimensions of it*, Futures, available online, 2007, and Osmo Kuusi and Elina Hiltunen, The Signification Process of the Future Sign, FFRC eBooks 4/2007. Finland Futures

978-951-564-510-4.

Research Centre, Turku School of Economics. 24 p. ISBN

The Future Sign

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what ?

A weak signal test

 Makes your colleagues to laugh
 You collagues are opposing it:no way, it will never happen
 Makes people to wonder,
 No one has heard about it before
 It is wanted that no-one talks about it anymore (a tabu)
 I-5 ticks and it is a weak signal!

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where ?

International study for Futurists about good sources for weak signals

number			
of order	A good source for week signals	16	science fiction movies, books etc.
1	scientist/researchers		government and other public sector reports
2	futurists	17	
2	colleagues		Internet: discussion groups
4		19 20 S	Internet: blogs marginal/urde ground press
5	reports or research institutes	20	periodicals
6	consultants in other area than futures	22	local newspapers
7	popular science and economic magazines	23	Internet: electric databases
8	television/ radio	24	government officials
9	educational and scientific books	25	email lists
10	Internet: companies' or organizations' web pages	26	movies
11	ordinary people (e.g. observing them)	27	artists
12	media people	28	market research studies
13	Internet: electric journals	29	politicians
13	Internet: homepages of individual people/consult	29	annual reports of companies
15		31	family/friends
		32	patents
		33	doctoral dissertations
		34	proposals for laws
		35	other source?
Read more here:		36	art exhibitions

Read more here:

Elina Hiltunen, Where Do Future Oriented People Find Weak Signals?

FFRC eBook 2/2007. Finland Futures Research Centre,

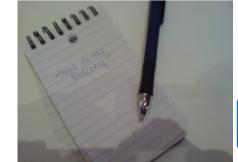
Turku School of Economics. 40 s. ISBN 978-954-964445279458118ble online



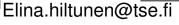
Where Do I (as a weak signal enthusiast) _find-them?

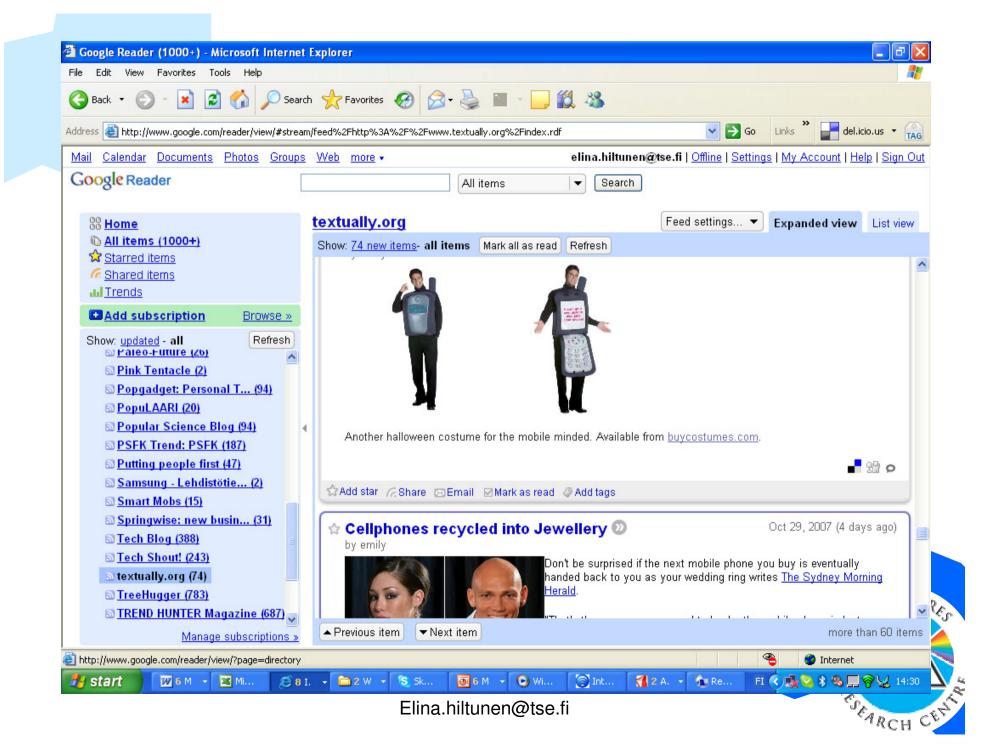
- Surfing in the Internet
- Blogs, blogs and blogs
- Keeping my eyes and ears open, mobilephone with camera in the other hand and a notebook in the other
- \rightarrow reporting about weak signals

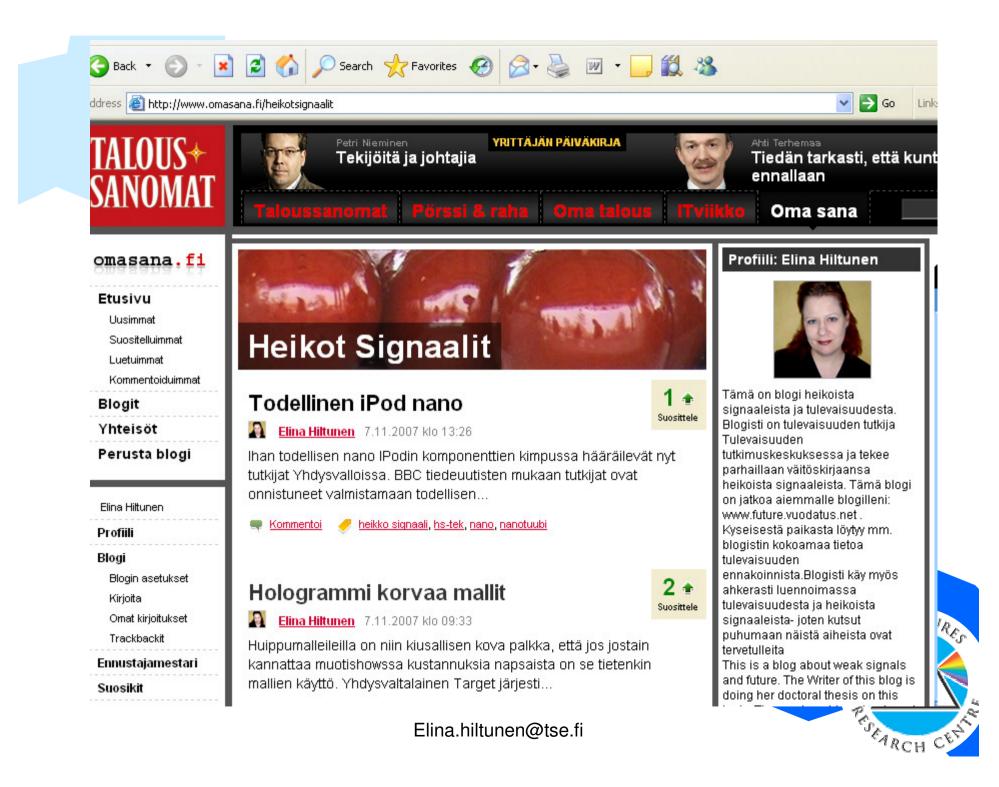




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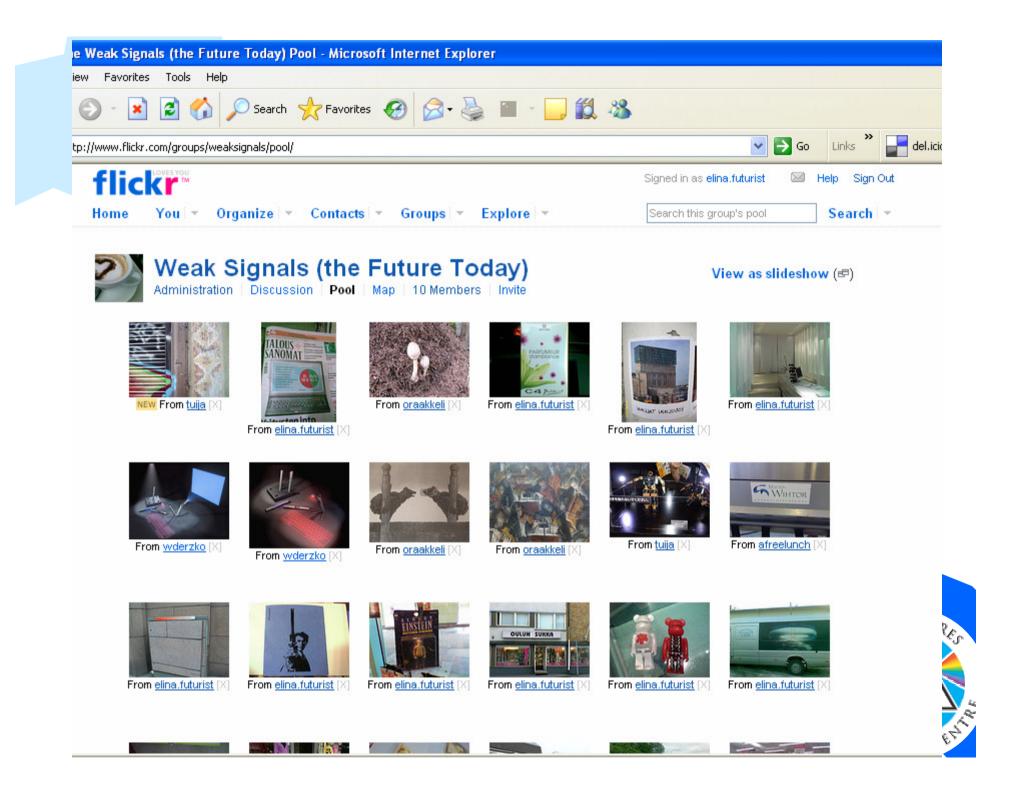






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Use of weak signals

- Anticipating the future (pattern management, sensemaking)
- Innovating and creating the future (breaking our mental models) → new tool for that: the Futures Windows
- Another new tool under development "Image Signal Wall". It utilizes the possibilities of images of weak signals and web 2.0. The outcome is information about emerging trends, changes in social moods etc.

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A tool: the Futures Window Shows images of weak signals



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Elina Hiltunen, The Futures Window – A Medium for Presenting Visual Weak Signals to Trigger Employees' Futures Thinking in Organizations, *HSE Publications*, working paper- w-423, 2007, available online Elina.hiltunen@tse.fi

More information

- Elina Hiltunen, Was It a Wild Card or just our Blindness to Gradual Change?, *Journal of Future Studies*, Nov. 2006, 11 (2), 61-74.
- Elina, Hiltunen, The Future Sign and Its Three Dimensions, Futures, In Press, Accepted Manuscript, Available online 1 September 2007
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- Elina Hiltunen, Where Do Future Oriented People Find Weak Signals? FFRC eBook 2/2007. Finland Futures Research Centre, Turku School of Economics. 40 s. ISBN 978-951-564-452-7. (available online)
- Elina Hiltunen, The Futures Window A Medium for Presenting Visual Weak Signals to Trigger Employees' Futures Thinking in Organizations, HSE Publications, working paper- w-423, 2007 (available online)

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