

From: [REDACTED] (CAB-REDING) on behalf of REDING Viviane (CAB-REDING)
Sent: 29 January 2014 08:05
To: CAB REDING ARCHIVES BIS
Subject: FW: Europe's Sputnik Shock - A Large-Scale European ICT Strategy Is Urgently Needed
Attachments: Europes_sputnik_shock_VivianeReding.docx

Follow Up Flag: Follow up
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-----Original Message-----

From: [REDACTED]
Sent: Tuesday, January 28, 2014 9:37 PM
To: REDING Viviane (CAB-REDING)
Subject: Europe's Sputnik Shock - A Large-Scale European ICT Strategy Is Urgently Needed

Dear Vice-President of the European Commission, Viviane Reding,

considering the digital revolution and the implications of the NSA affair, please find a letter analyzing Europe's situation and options regarding Information and Communication Technologies (ICT). My conclusion is that, besides the financial crisis, global warming, the transition to renewable energy supply, finding an own ICT strategy and creating trustworthy ICT systems must be a European priority. Please find attached a related letter.

I would also like to inform you of a recent initiative I have started to develop competitive European Smart Data capacities. The goal of this initiative and the participating parties and communities would be to establish an international alliance of stakeholders focused on the generation, sharing and analysis of Smart Data to create societal, scientific and economic value and to jointly and collaboratively address global 21st century challenges such as

- financial and economic crises,
- environmental degradation and global warming,
- transition to renewable energy supply,
- cybercrime and cyberwar,
- newly emerging problems.

The aim is

- to promote international confidence building and collaboration,
- to create a trustable, transparent and participatory information and communication system and
- to establish an information and innovation ecosystem

* empowering politics, business, science, and citizens alike to take better-informed decisions and
* enabling creative activities and more participation of everyone in social, economic and political matters.

I expect that this can also make an effective contribution to the creation of new jobs in Europe.

It would be good to know, whether I can count on your support of this endeavor.

Thank you very much for your interest.

Sincerely yours,

[Redacted signature]

PS: I am planning to send similar letters to: Neelie Kroes, Anne Glover, Robert Madelin, and Robert-Jan Smits

[Large redacted block]

Selected recent publications:

- D. Brockmann and D. Helbing (2013) The hidden geometry of complex, network-driven contagion phenomena. *Science* 342, 1337-1342.
- D. Helbing (2013) Globally networked risks and how to respond. *Nature* 497, 51-59.
- R. Carvalho, L. Buzna, F. Bono, M. Masera, D.K. Arrowsmith, D. Helbing (2013) Resilience of natural gas networks during conflicts, crises and disruptions, see <http://arxiv.org/abs/1311.7348>
- D. Helbing (2013) Economics 2.0: The Natural step towards a self-regulating, participatory market society, see https://www.jstage.jst.go.jp/article/eier/10/1/10_D2013002/_article
- T. Grund, C. Waloszek, and D. Helbing (2013) How natural selection can create both self- and other-regarding preferences, and networked minds. *Sci. Rep.* 3:1480 (on the evolution of the "homo socialis" or: why humans are social)
- M. Moussaïd, D. Helbing, and G. Theraulaz (2011) How simple rules determine pedestrian behavior and crowd disasters. *PNAS* 108 (17) 6884-6888.
- D. Helbing and P. Mukerji (2012) Crowd disasters as systemic failures: Analysis of the Love Parade

Disaster. EPJ Data Science 1:7.

- C. P. Roca and D. Helbing (2011) Emergence of social cohesion in a model society of greedy, mobile individuals. PNAS 108(28), 11370-11374.
- J. Lorenz, H. Rauhut, F. Schweitzer, and D. Helbing (2011) How social influence can undermine the wisdom of crowd effect. PNAS 108(28), 9020-9025.
- D. Helbing and W. Yu (2010) The future of social experimenting. PNAS 107(12), 5265-5266.
- D. Helbing, A. Szolnoki, M. Perc, and G. Szabó (2010) Evolutionary establishment of moral and double moral standards through spatial interactions. PLoS Comput. Biol. 6(4), e1000758 (how to overcome second-order free-riding).
- D. Helbing and W. Yu (2009) The outbreak of cooperation among success-driven individuals under noisy conditions. PNAS 106(8), 3680-3685.
- D. Helbing et al. (2009) A series of 8 publications in EPJB establishing An Analytical Theory of Traffic Flows, see <http://www.soms.ethz.ch/research/trafficttheory>
- S. Lämmer and D. Helbing (2008) Self-control of traffic lights and vehicle flows in urban road networks. JSTAT P04019.
- A. Kesting, M. Treiber, M. Schönhof, and D. Helbing (2008) Adaptive cruise control design for active congestion avoidance. Transportation Research C 16 (6), 668-683.
- L. M. A. Bettencourt, J. Lobo, D. Helbing, C. Kühnert, and G. B. West (2007) Growth, innovation, scaling and the pace of life in cities. PNAS 104, 7301-7306.