

The IV Industrial Revolution: The emergence of a new techno-economic paradigm? Some preliminary findings

Prepared for the Workshop: Going digital: the future of industry and jobs Paris, April, 24, 2017

Directorate for Science, Technology and Innovation Committee on Industry, Innovation and Entrepreneurship

Organisation for Economic Co-operation and Development

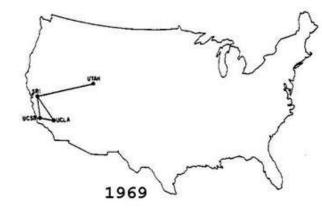
Massimo Moggi

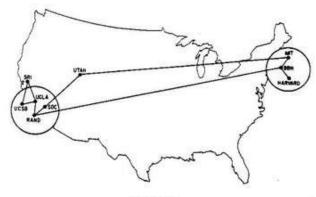
Scuola Superiore Sant'Anna, Pisa Seldon Group



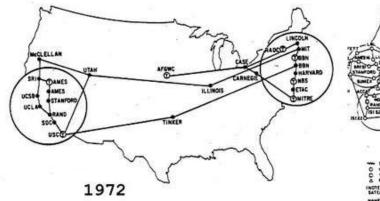
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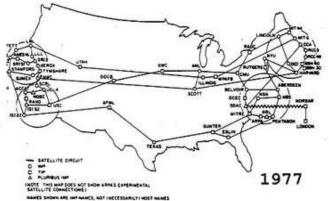
Early stage Arpa Net and W.W.W.

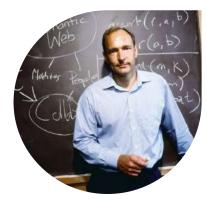




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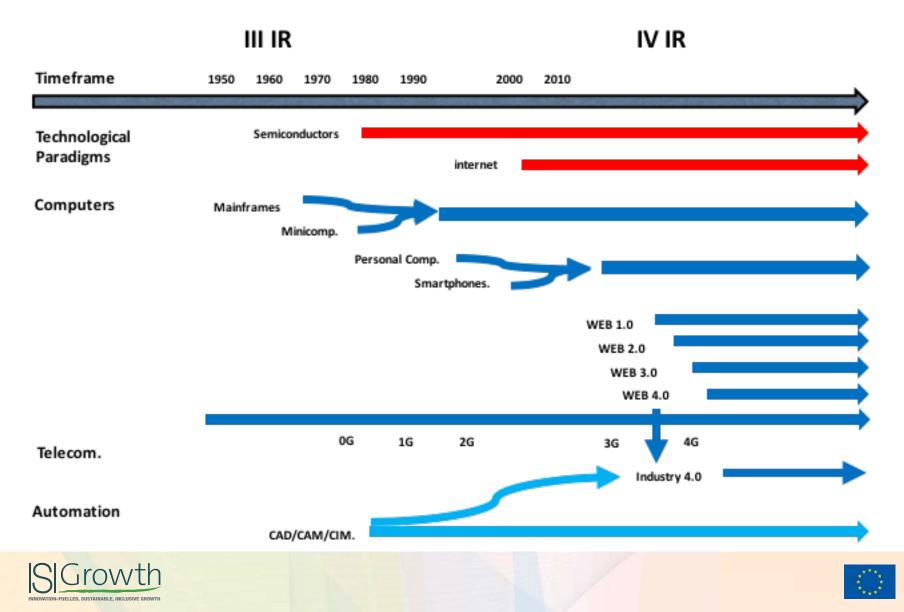








3RD and 4TH Industrial Revolution



Information Technology Diffusion

Technology	Mainframes	Minicomp uters	Personal computers	Smartpho nes	Web1.0	Web2.0	ΙοΤ
Numbers	10^2	10^3	10^4	10^6	10^6	10^9	10^1 1
Users	back office	employees	people	consumer	consumer	communi ties &society	things





Public Internet Company Market Capitalizations – 1995 € 2015...

Top 15 Companies by Market Capitalization = 1995 @ \$17 Billion € 2015 @ \$2.4 Trillion

Global Public Internet Companies, Ranked by Market Capitalization

As of December, 1995

		Home	Market Cap.		
	Company	Country	(\$MM)		
1	Netscape	USA	\$5,415		
2	Apple	USA	3,918		
3	Axel Springer	Germany	2,317		
4	RentPath	USA	1,555		
5	Web.com	USA	982		
6	PSINet	USA	742		
7	NetcomOn-Line	USA	399		
8	IAC / Interactive	USA	326		
9	Copart	USA	325		
10	Wavo Corporation	USA	203		
11	iStar Internet	Canada	174		
12	Firefox Communications	USA	158		
13	Storage Computer Corp.	USA	95		
14	Live Microsystems	USA	86		
15	iLive	USA	57		
	Market Cap ofTop 15		\$		
16,752					

As of May, 2015

		Home	Market Cap.
	Company	Country	(\$MM)
1	Apple	USA	\$763,567
2	Google	USA	373,437
3	Alibaba	China	232,755
4	Facebook	USA	226,009
5	Amazon.com	USA	199,139
6	Tencent	China	190,110
7	eBay	USA	72,549
8	Baidu	China	71,581
9	Priceline Group	USA	62,645
10	Salesforce.com	USA	49,173
11	JD.com	China	47,711
12	Yahoo!	USA	40,808
13	Netflix	USA	37,700
14	LinkedIn	USA	24,718
15	Twitter	USA	23,965
Total	Market Cap of Top 15		\$2,41
	5,867		





Magic Cookies: the beginning and the incorporation in HTTP

HTTP/1.1 200 OK Cache-Control: private Content-Type: text/html Set-Cookie: PREF=ID=5e66ffd215b4c5e6: TM=1147099841:LM=1147099841:S=Of69MpW Bs23xeSv0; expires=Sun, 17-Jan-2038 1 9:14:07 GMT; path=/; domain=.google.c om



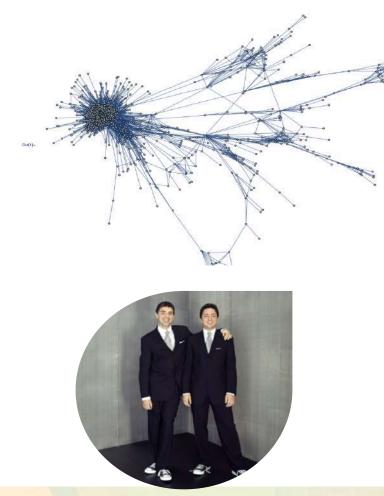
A script of a Cookie

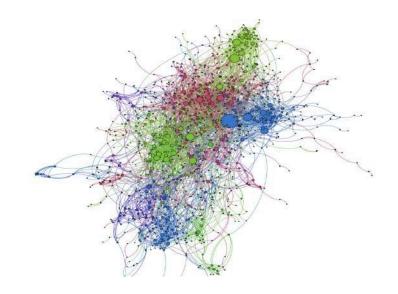






One of us (infographic) in Google and Facebook





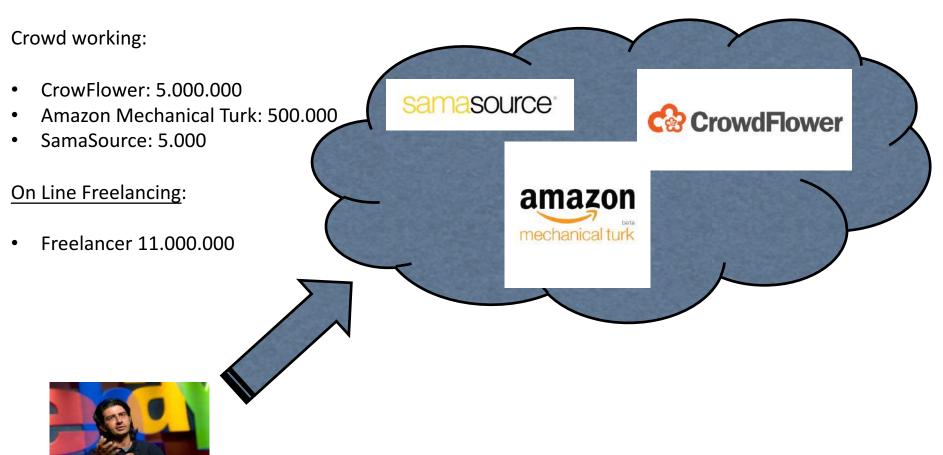






From Market Places to OO (online Outsourcing)

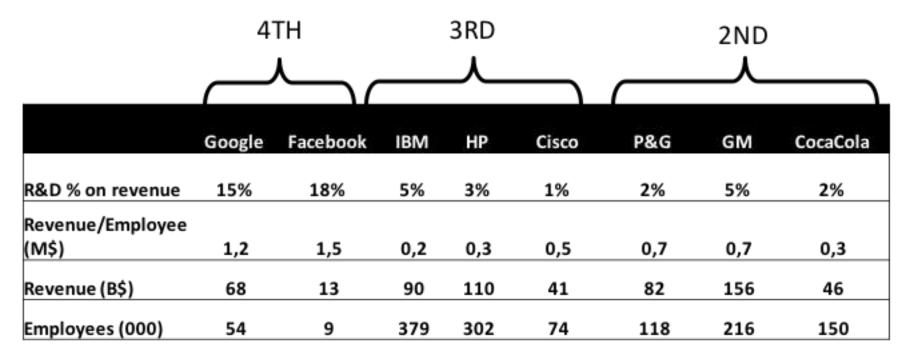
Registred Users:







Revenue/Employees Rank : Examples



NOTE: No Statistical Significance





How a 2.0 Company 'Produces'- A new Segmentation of Labor ?

