

# Understanding Real World Organizations

---

TSE M1 – Semester 1  
September 2022  
Paul Seabright

Week 1: Ronald Coase and the Nature of the Firm

---

“Monsieur Haneda était le supérieur de monsieur Omochi, qui était le supérieur de monsieur Saito, qui était le supérieur de mademoiselle Mori, qui était ma supérieure. Et moi, je n’ étais la supérieur de personne.

On pourrait dire les choses autrement. J’ étais aux ordres de mademoiselle Mori, qui était aux ordres de monsieur Saito, et ainsi de suite, avec cette précision que les ordres pouvaient, en aval, sauter les échelons hiérarchiques.

Donc, dans la compagnie Yumimoto, j'étais aux ordres de tout le monde.”

Amélie Nothomb, *Stupeur et Tremblements*

---

# Ronald Coase, 1908-2013

---



# Ronald Coase and the nature of the firm

---

- The different forms of economic exchange can be summarized as taking place within markets or hierarchies
  - Coase asked what circumstances made one form preferable to the other
  - A well known advantage of markets is the transparency of information transmission – also a major theme in the work of Hayek
  - But the process of price creation can also entail real transactions costs
-

# These questions are more pertinent than ever

---

- After all, what is a firm nowadays?
  - It can be defined by the legal form – but there are many of these (limited liability corporations, partnerships, single proprietorships)
  - And the legal form may not capture the economic reality
  - Think of some kinds of firm that are relatively new...
-

# What is Uber:

- A firm?
- A market?
- A service provider?
- An owner of intellectual property?
- None of the above?
- All of the above?

The world's most valuable startup is leading the race to transform the future of transport

Sep 3rd 2016 | From the print edition



Timekeeper



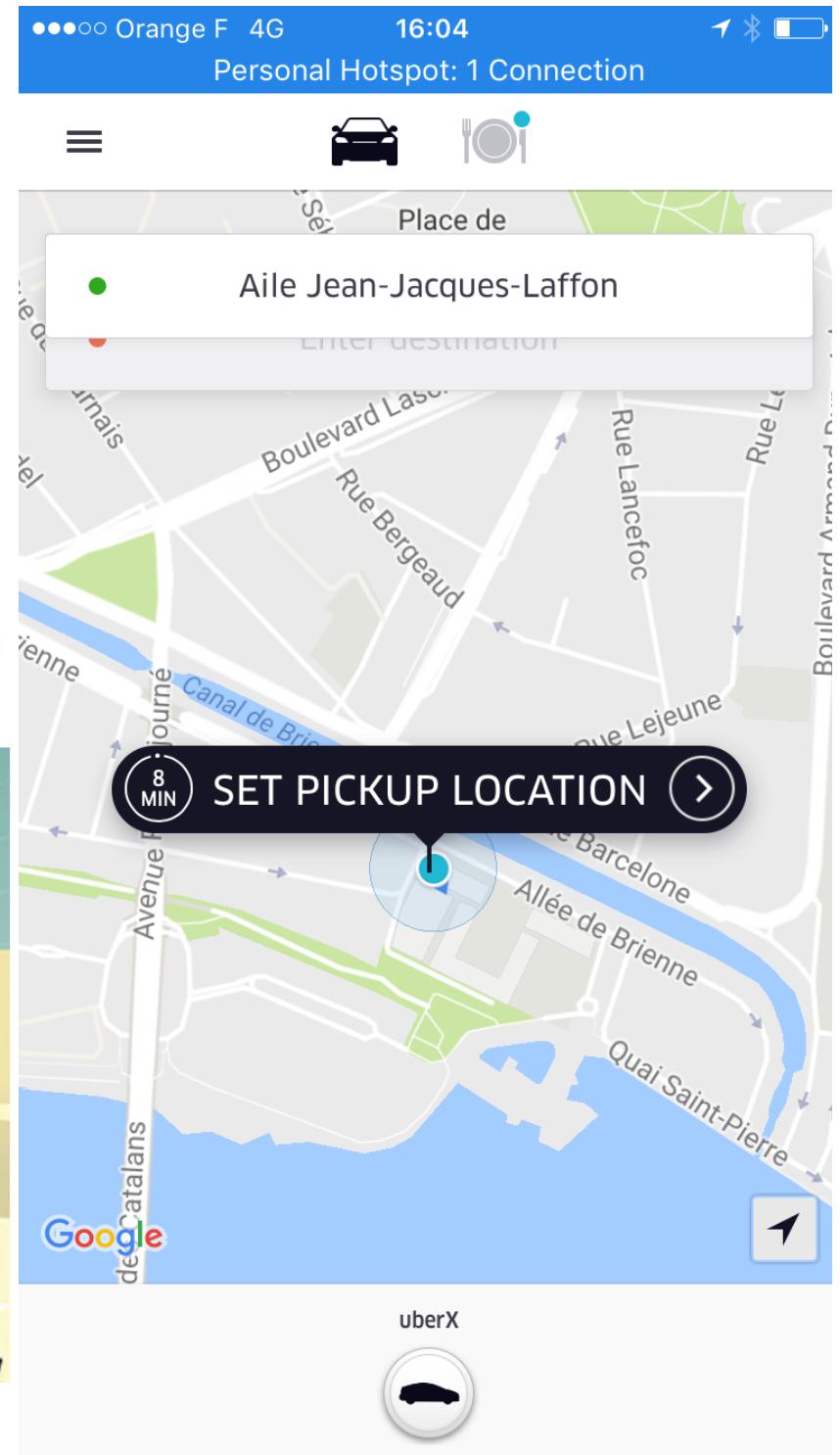
Like 6.5K

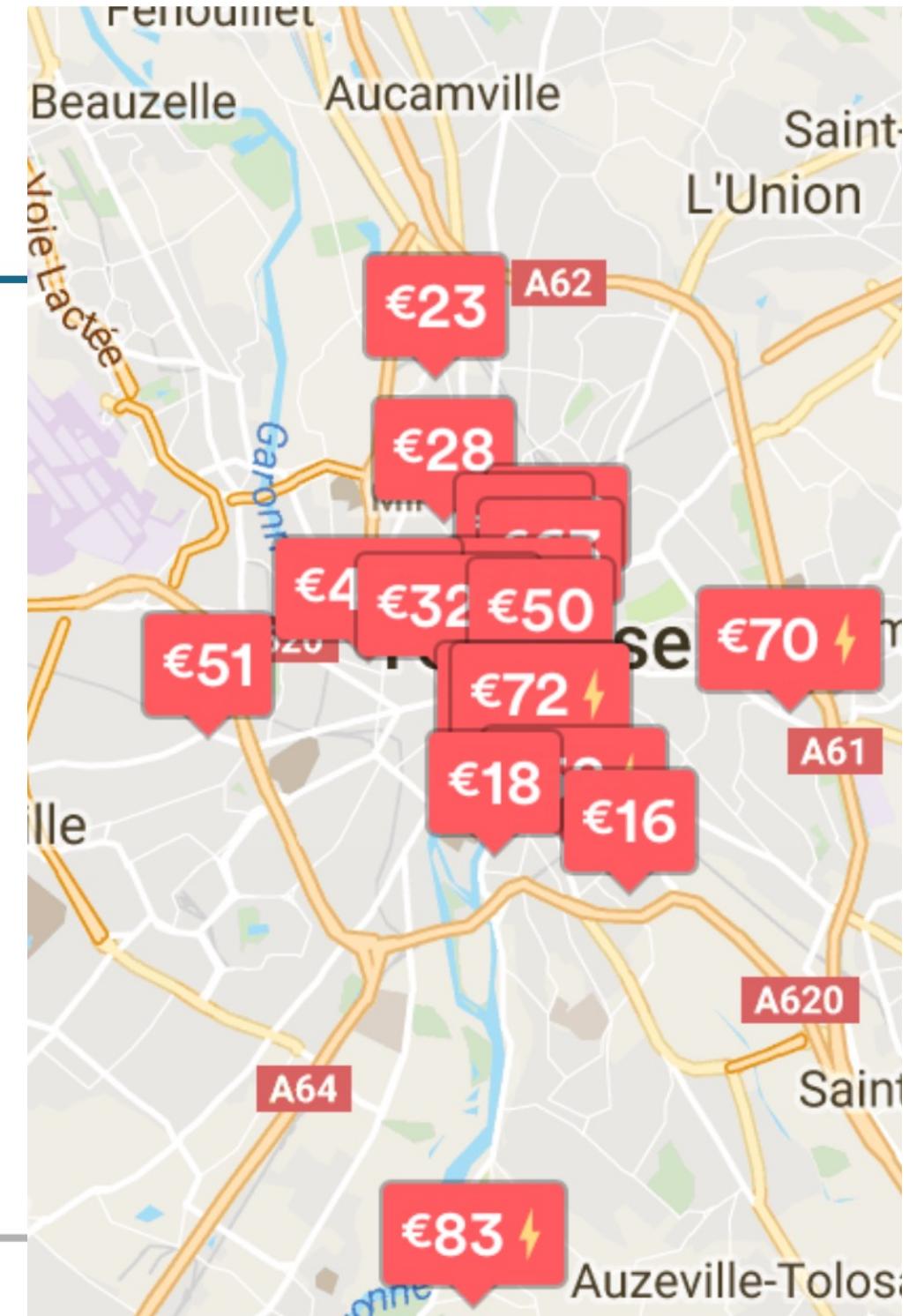
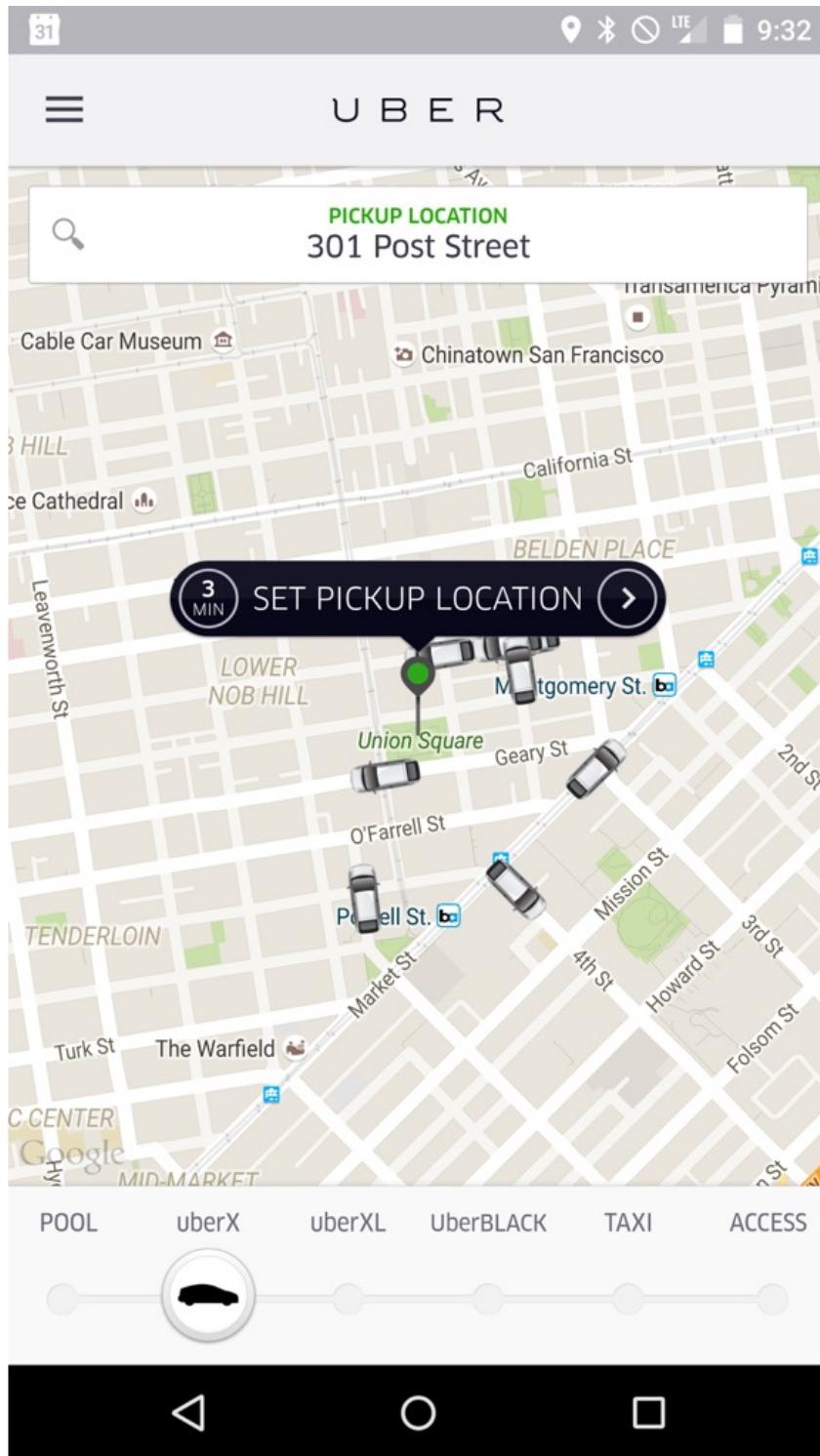


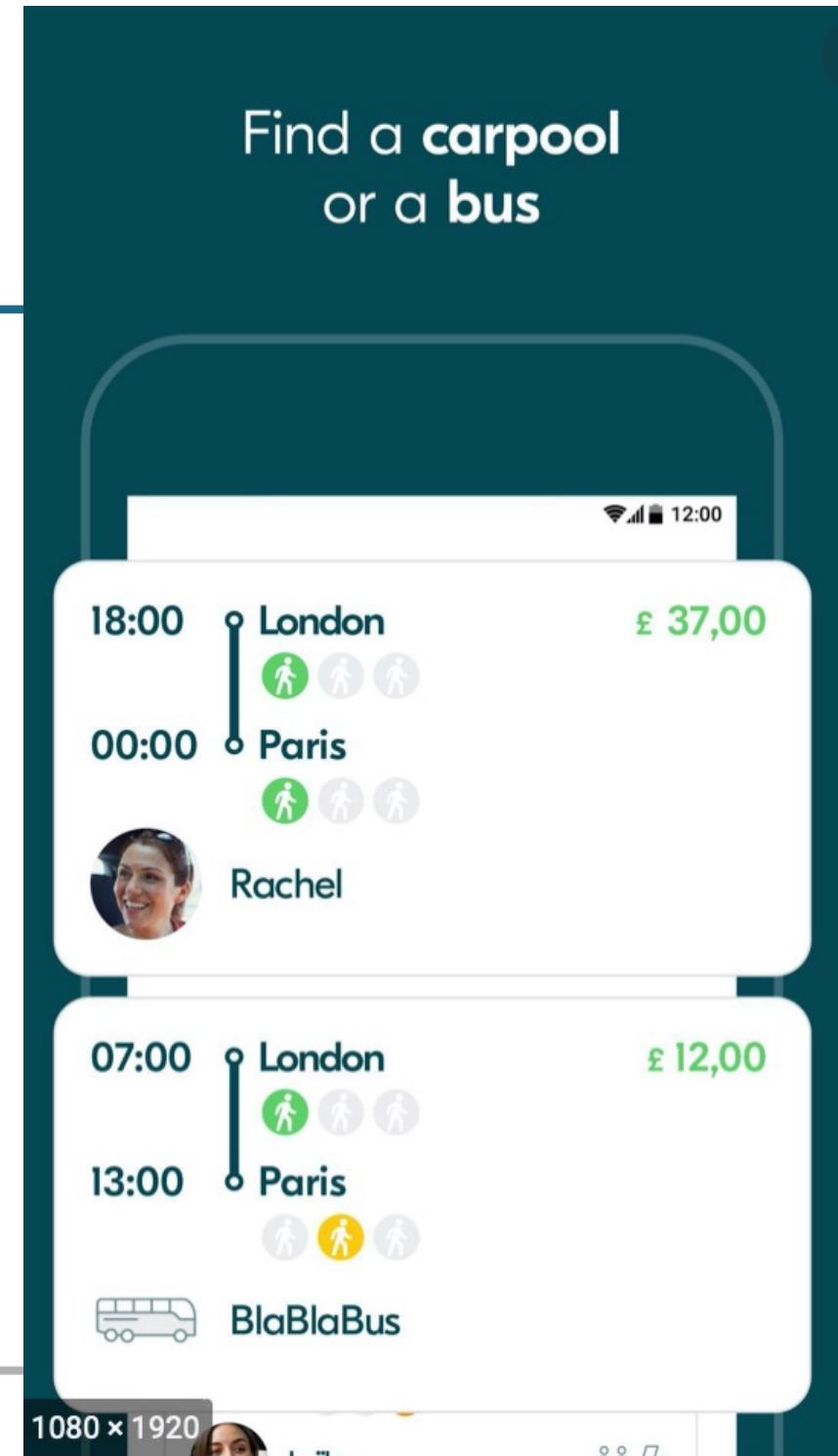
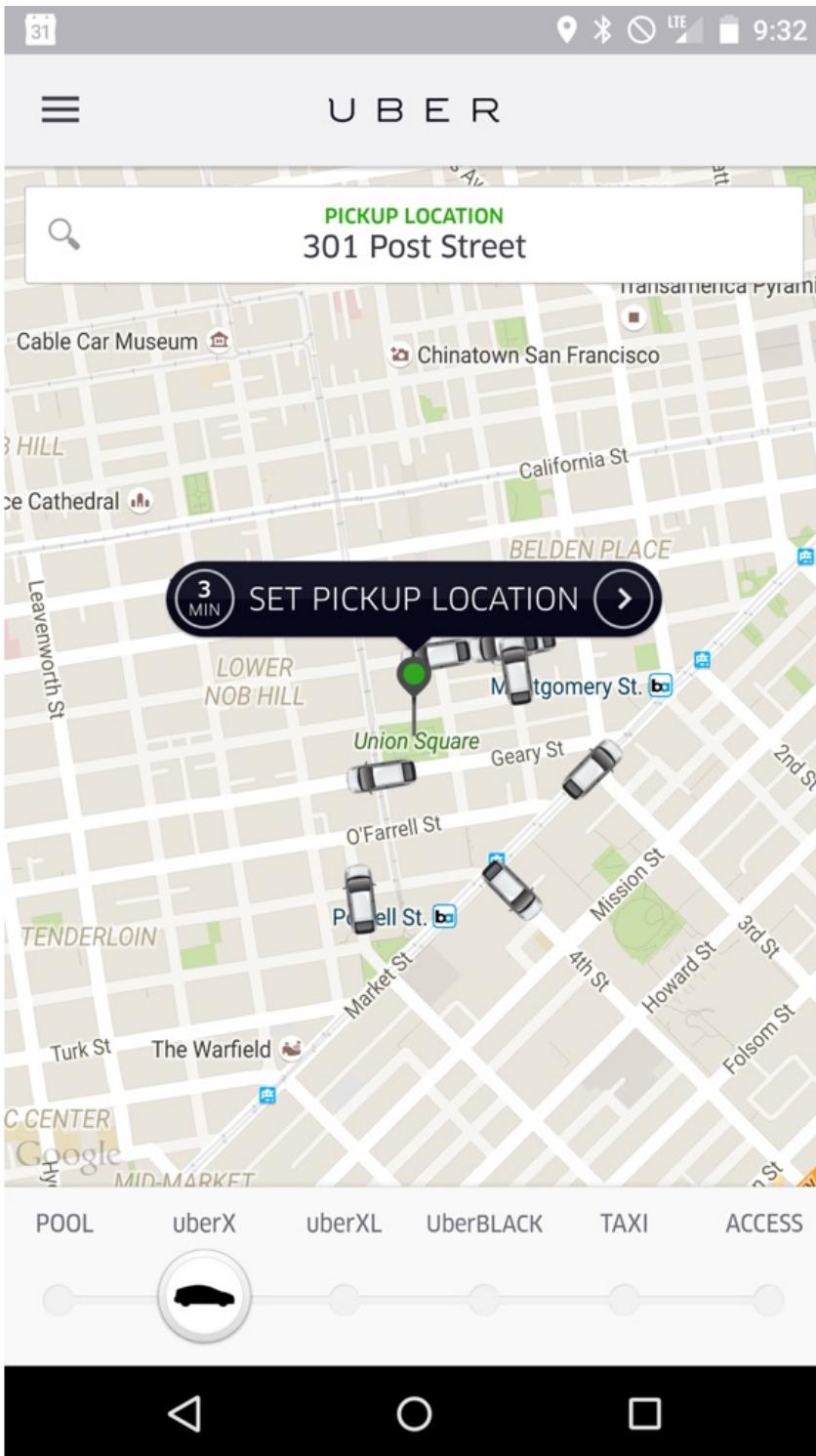
Tweet



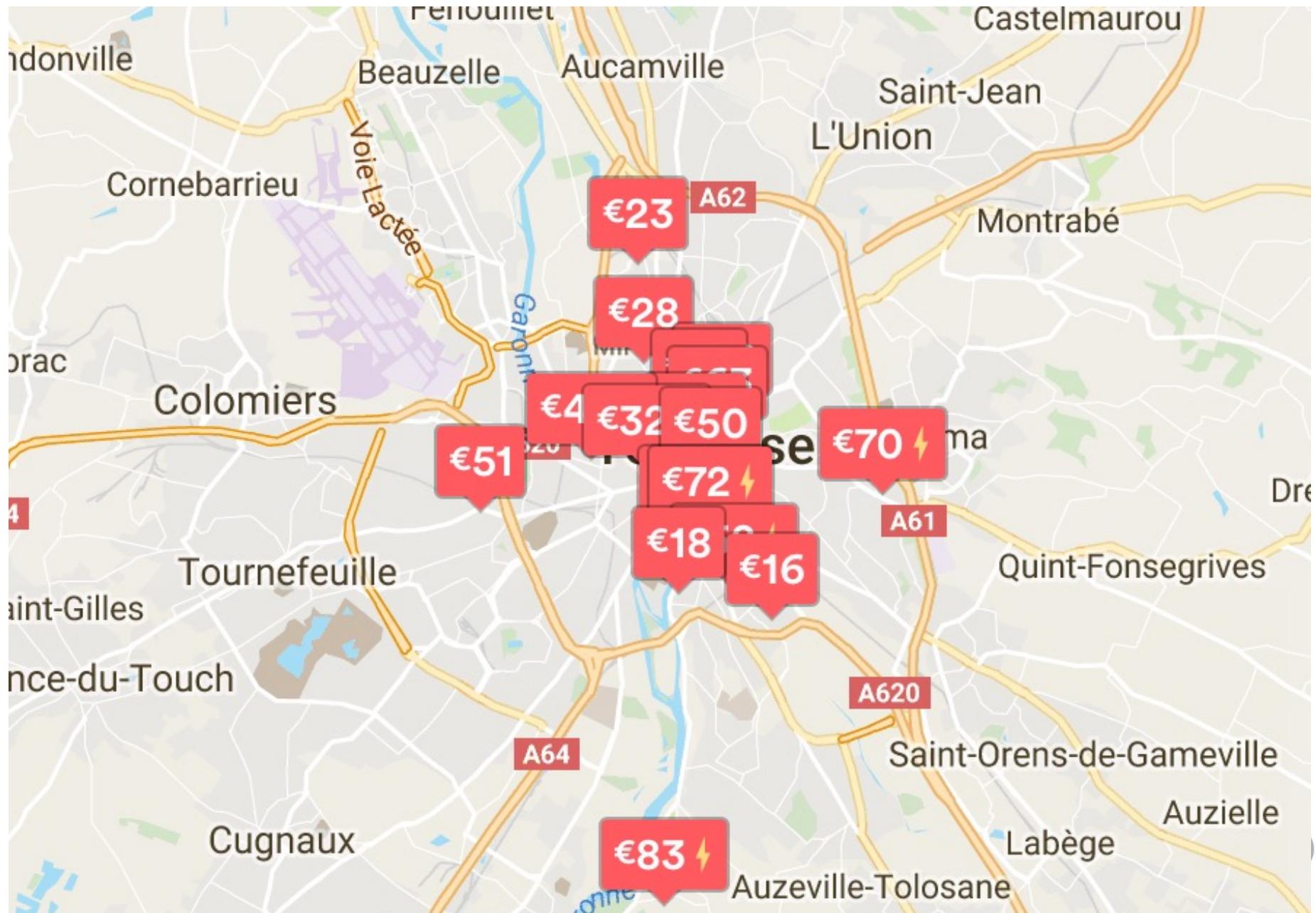
'LET'S Uber.' Few companies offer something so popular that their name becomes a verb. But that is one of the many achievements of Uber, a company founded in 2009







# And AirBnB?



And ISIS?

---

---

FINANCIAL TIMES

---

***Be first to use FT.com's new prototype site. Opt in here (you can opt out at any time).***

October 14, 2015 12:50 pm

## Isis Inc: how oil fuels the jihadi terrorists

Erika Solomon in Beirut, Guy Chazan and Sam Jones in London

---

 Share  Author alerts  Print  Clip  Gift Article

 Comments

The jihadis run a sprawling oil operation forcing even their enemies to do business with them

# Let's distinguish different effects of digital technology on modern society (I)

---

- Creation, processing and sharing of information – the scarce resource is no longer information but ATTENTION
- Creation of new goods and services, from social networks and GPS guidance to... cat videos
- New methods for making and delivering existing goods and services
  - 3D printing
  - Delivery by drone
  - Internet dating, psychotherapy over Skype
  - Distributing the design and manufacture of cars and aircraft across the world
- The idea: **tasks can be broken into components and reassembled**

# Let's distinguish different effects of digital technology on modern society (II)

---

- Creation of new types of organization

- Outsourced tasks, micro-multinationals
- Crowd-sourced financing, information gathering
- Platforms – intermediaries between different user groups

- Improved methods of managing existing organizations

- Using ICT to discover and reach new markets and sources of supply
- Using ICT to monitor & improve management practices
- Restructuring task allocation

- The mechanism: digital technology changes the pattern of substitutability/complementarity relations between task components

# An example of unbundling and reassembling tasks: the impact of MOOCs (I)

---

- Bettinger et al: “Virtual Classrooms”, *AER* September 2017, investigate performance of 230,000 students taking 750 courses in a for-profit US college, in both on-line and on-campus versions
- On-campus versions of courses had fewer women (35% compared to 55%), and age of 28 years (33 years online)
- By instrumenting with the interaction of random non-availability of online versions and distance of residence from campus, estimate that courses with physical presence increase the probability of an A-grade by 12 percentage points
- The impact is concentrated on low-performing students

## An example of unbundling and reassembling tasks: the impact of MOOCs (II)

---

- Key seems to lie in motivation, which is lower online
- It's a mistake to see education as a homogeneous service demanded by students
- Students demand at least two services: *understanding* and *motivation*, and the inputs into this process are *information* and *attention* – in proportions that differ between the two services
- Physical proximity is a special kind of attention – “close” attention
- We can see organizations as allocating *entitlement to attention*

# Understanding Real World Organizations

---

TSE M1 – Semester 1  
September 2022  
Paul Seabright

Week 1: Ronald Coase and the Nature of the Firm

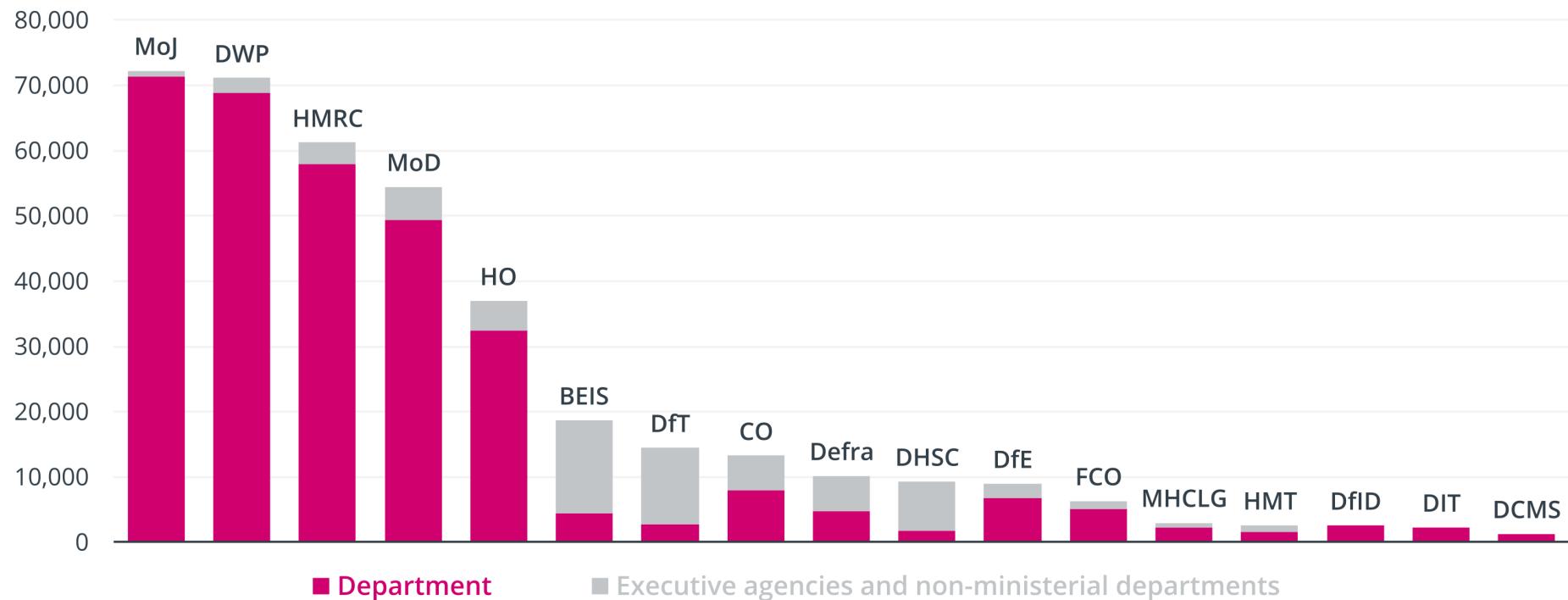
# Employees of government departments

---

- EU Commission 33,000
  - UK Home Office 34,000
  - US State Department 75,000
  - United Nations Secretariat 41,000
  - US Department of Transportation 55,000
  - Mairie de Paris 53,000
-

## Civil service staff numbers (FTE) by department (including other organisations), March 2020

IfG



Source: Institute for Government analysis of ONS, Public Sector Employment (table 9), Q1 2020. Note that 'department' includes public bodies that are directly line-managed.



Table G. Distribution of private sector firms by size class: 1993/Q1 through 2019/Q1, not seasonally adjusted

First Quarter	Size Class								
	1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 or more employees
	Levels (in thousands)								
1993	2,311	913	535	334	110	61	18	8	8
1994	2,344	928	547	345	113	64	19	9	8
1995	2,382	941	559	355	118	67	20	9	9
1996	2,407	947	565	360	120	68	20	9	9
1997	2,453	959	575	369	122	70	21	10	9
1998	2,468	961	579	373	124	72	22	10	10
1999	2,510	975	588	379	127	73	22	11	10
2000	2,516	983	600	388	130	75	23	11	10
2001	2,534	980	600	388	130	75	23	11	10
2002	2,554	984	598	385	127	73	22	11	10
2003	2,601	990	600	383	125	72	22	10	10
2004	2,642	1,003	606	387	127	73	22	10	10
2005	2,690	1,007	611	392	129	75	23	11	10
2006	2,768	1,018	621	401	133	76	23	11	10
2007	2,801	1,020	624	403	134	77	23	11	10
2008	2,804	1,006	615	400	133	77	23	11	10
2009	2,742	967	588	377	124	72	22	10	10
2010	2,704	946	572	365	120	70	21	10	9
2011	2,726	945	574	369	122	72	22	11	10
2012	2,731	957	584	378	126	74	22	11	10
2013	2,754	961	591	385	127	75	23	11	10
2014	2,782	968	602	395	129	77	23	12	10
2015	2,812	974	611	405	132	78	24	12	11
2016	2,854	982	622	415	135	79	24	12	11
2017	2,886	987	630	421	137	80	25	12	11
2018	2,904	991	635	426	138	81	26	12	11
2019	2,947	992	639	430	140	83	26	13	12
Shares (percent)									
1993	53.76	21.24	12.44	7.77	2.55	1.41	0.41	0.18	0.18
1994	53.55	21.20	12.49	7.88	2.58	1.46	0.43	0.20	0.18
1995	53.40	21.09	12.53	7.96	2.64	1.50	0.44	0.20	0.20
1996	53.43	21.02	12.54	7.99	2.66	1.50	0.44	0.20	0.20
1997	53.46	20.90	12.53	8.04	2.65	1.52	0.45	0.21	0.19
1998	53.43	20.80	12.53	8.07	2.68	1.55	0.47	0.21	0.21
1999	53.46	20.76	12.52	8.07	2.70	1.55	0.46	0.23	0.21
2000	53.12	20.75	12.66	8.19	2.74	1.58	0.48	0.23	0.21
2001	53.33	20.62	12.62	8.16	2.73	1.57	0.48	0.23	0.21
2002	53.61	20.65	12.55	8.08	2.66	1.53	0.46	0.23	0.21
2003	54.04	20.56	12.46	7.95	2.59	1.49	0.45	0.20	0.20
2004	54.13	20.55	12.41	7.93	2.60	1.49	0.45	0.20	0.20
2005	54.36	20.35	12.34	7.92	2.60	1.51	0.46	0.22	0.20
2006	54.69	20.11	12.27	7.92	2.62	1.50	0.45	0.21	0.19
2007	54.88	19.98	12.22	7.89	2.62	1.50	0.45	0.21	0.19
2008	55.20	19.80	12.10	7.87	2.61	1.51	0.45	0.21	0.19
2009	55.82	19.68	11.97	7.67	2.52	1.46	0.44	0.20	0.20
2010	56.13	19.63	11.87	7.57	2.49	1.45	0.43	0.20	0.18
2011	56.19	19.48	11.83	7.60	2.51	1.48	0.45	0.22	0.20
2012	55.81	19.55	11.93	7.72	2.57	1.51	0.45	0.22	0.20
2013	55.78	19.46	11.97	7.79	2.57	1.51	0.46	0.22	0.20
2014	55.66	19.36	12.04	7.90	2.58	1.54	0.46	0.24	0.20
2015	55.58	19.25	12.07	8.00	2.60	1.54	0.47	0.23	0.21
2016	55.59	19.12	12.11	8.08	2.63	1.53	0.46	0.23	0.21
2017	55.61	19.02	12.14	8.11	2.64	1.54	0.48	0.23	0.21
2018	55.59	18.97	12.15	8.15	2.64	1.55	0.49	0.23	0.21
2019	55.79	18.78	12.09	8.14	2.65	1.57	0.49	0.24	0.22

Source: U.S. Bureau of Labor Statistics

## Charitable foundations [ edit ]

*Main article: [List of wealthiest charitable foundations](#)*

Organization	Worth [billion USD]	Country
Novo Nordisk Foundation	49.1 <sup>[1]</sup>	🇩🇰 Denmark
Bill & Melinda Gates Foundation	46.8 <sup>[2]</sup>	🇺🇸 United States
Stichting INGKA Foundation	36.0	🇳🇱 Netherlands
Wellcome Trust	27.1	🇬🇧 United Kingdom
Howard Hughes Medical Institute	23.8	🇺🇸 United States
Azim Premji Foundation	21.0	🇮🇳 India
Garfield Weston Foundation	15.7	🇬🇧 United Kingdom
Ford Foundation	13.7	🇺🇸 United States
Silicon Valley Community Foundation	13.6	

## Religious Organizations [ edit ]

Organization	Worth [billion USD]	Country	Notes
Catholic Church	Unknown	🇻🇦 Vatican City	[3]
The Church of Jesus Christ of Latter-Day Saints	80.0 (alleged to be as much as 160.0 billion)	🇺🇸 United States	[4]
Catholic Church in Germany	26.0	🇩🇪 Germany	[5]
Protestant Church in Germany	25.0		[6]
Catholic Church in Australia	20.5	🇦🇺 Australia	[7]
Church of England	7.8	🇬🇧 United Kingdom	[8]
Opus Dei (part of the Catholic Church)	2.0	🇮🇹 Italy	[9]
Catholic Church in the Philippines	2.0	🇵🇭 Philippines	[10]
Church of Scientology	2.0	🇺🇸 United States	[11][12]

## Educational institutions [ edit ]

*See also: [List of colleges and universities in the United States by endowment](#)*

Organization	Worth (billion USD)	Country	Notes
Harvard University	37.6	🇺🇸 United States	See <a href="#">Harvard University endowment</a>
Yale University	25.6		N/A
University of Texas System	24.1		[13]
Princeton University	22.7		[13]
Stanford University	22.2		[13]