ÖFFENHEIT UND VERTRAULICHKEIT

Das komplizierte Verhältnis zweier Grundlagen unserer Informationszeit

andreas schmidt @shmt #where2b bonn 10. Dez 2015

INHALT

- Offenheit und Vertraulichkeit: Begriffe, Bedeutungen Geheimhaltung, Verfügbarkeit, Wiederverwendbarkeit
- Neuen Produktionsformen: verteilt, offen, sozial; Formen; Geheimhaltung darin
- Problem: fast-offenes OS-Modell bei Hindernissen; Hindernisse/ Förderer v. Offenheit
- Vertraulichkeit in Offenheit: Infosec indiv/org; Security Communities; Gated Openness; Vetting; Com-Mitarbeiter-Arbeitgeber

ÖFFENHEIT VS. VERTRAULICHKEIT

„…wenn die ein Profil anlegen, dann geht es um mich.“

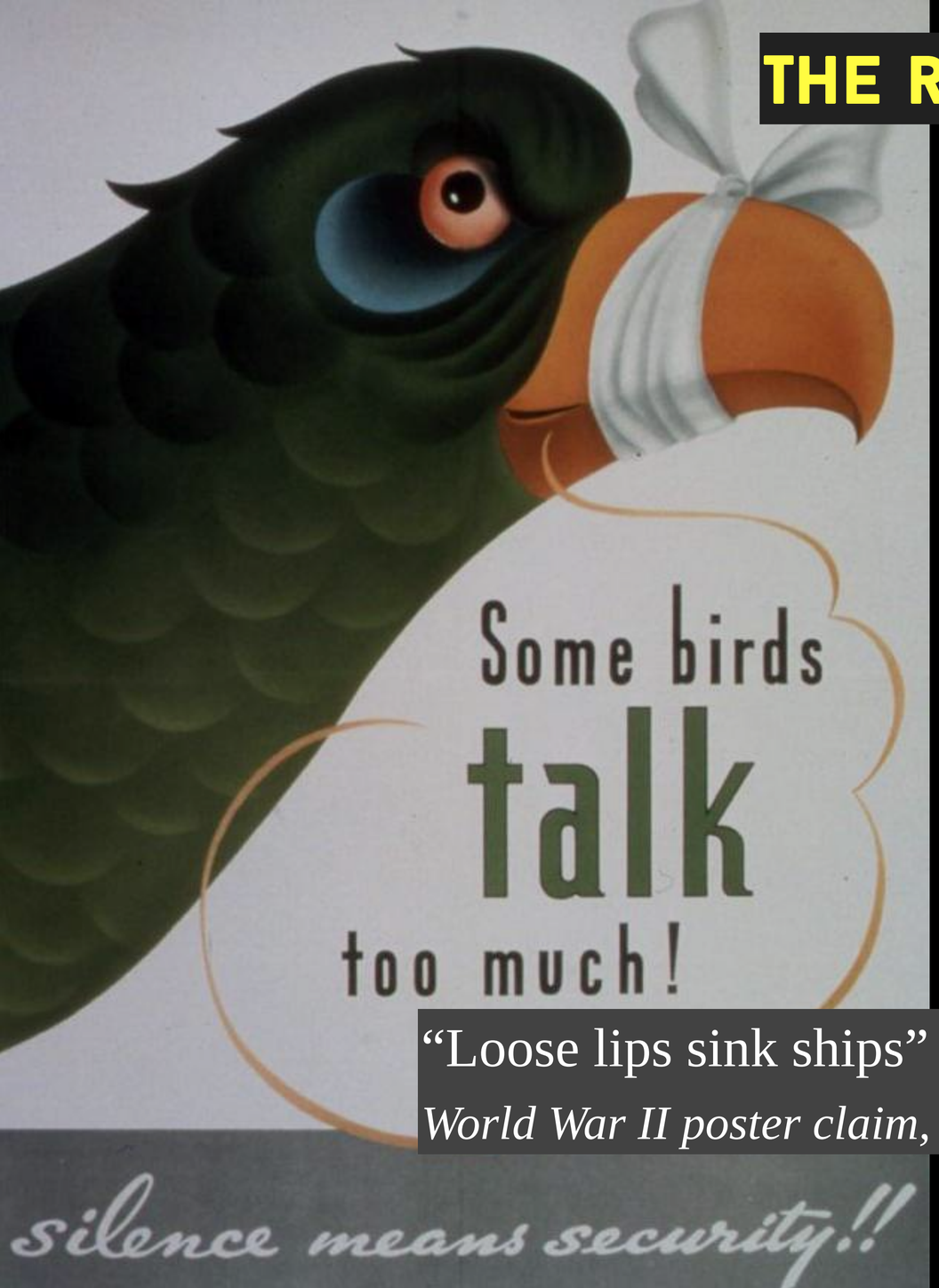
Ralf @bendrath, Wiss. Berater MEP @janalbrecht

BIG DATA VS. DATENSCHUTZ

John Boswell, SAS Institute

Öl hat unser Leben für immer verändert
und Daten werden das Selbe tun.

THE REALM OF OPEN VS. SINK SHIPS



"Loose lips sink ships"

World War II poster claim, USA

"The digital is the realm of the open: open source, open resources, open doors. Anything that attempts to close this space should be recognized for what it is: the enemy."

Digital Humanities Manifesto

„Wenn ich die Firma absichern will, muss ich meinen Mitarbeitern die Spielzeuge wegnehmen.“

Drew Houston, CEO, Dropbox, t3n.de

SPIELZEUG WEGNEHMEN VS. BÜRGEREMANZIPATION

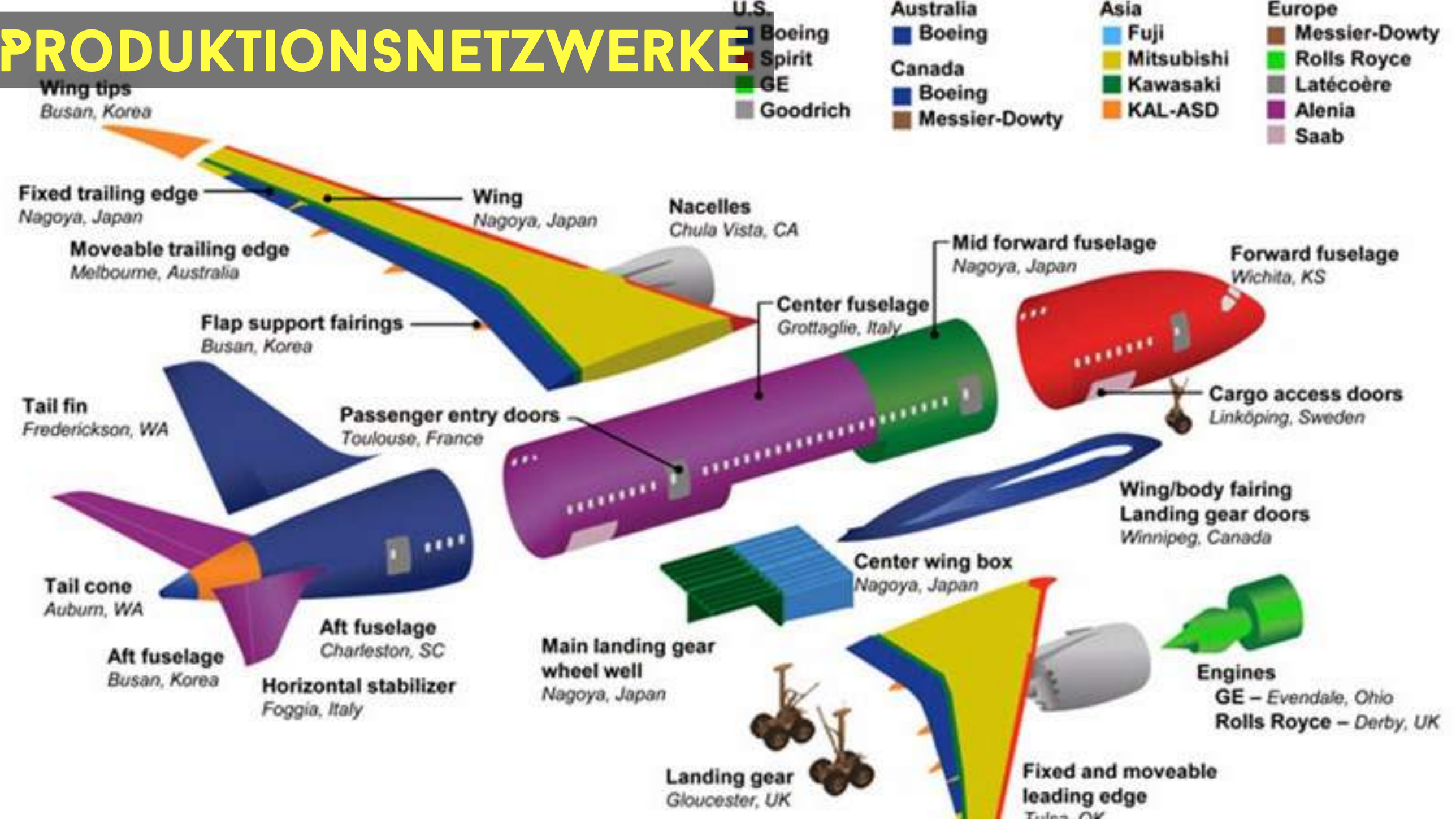
```
-- IF IT DOESN'T EXIST, THEN CREATE IT
tell application "Finder"
	if not (exists folder done_foldername of this_folder) then
		set the target_folder to (make new folder at this_folder with properties {name:done_foldername})
		delay 2
		set the current view of container window of the target_folder to list view
		set the icon size of list view options of container window of the target_folder to large icon
		set uses relative dates of list view options of container window of the target_folder to false
		set visible of every column of list view options of container window of the target_folder to true
		set the column_list to {comment column, size column, modification date column, creation date column, kind column, label column, version column}
		repeat with i from 1 to the count of the column_list
			set the index of column (item i of the column_list) of list view options of container window of the target_folder to (i + 1)
		end repeat
	else
		set the target_folder to folder done_foldername of this_folder
	end if
end tell
-- PROCESS EACH OF THE ITEMS ADDED TO THE ATTACHED FOLDER
try
	repeat with i from 1 to number of items in these_items
		set this_item to item i of these_items
		set the item_info to the info for this_item
		-- CHECK TO SEE IF THE ITEM IS AN IMAGE FILE OF THE ACCEPTED FILE TYPE
		if (alias of the item_info is false and the file type of the item_info is in the type_list) or (the name extension of the item_info is in the extension_list) then
			tell application "Finder"
				-- LOOK FOR EXISTING MATCHING ITEMS IN THE DESTINATION FOLDER
				-- IF THERE ARE MATCHES, THEN RENAME THE CONFLICTING FILES INCREMENTALLY
				my resolve_conflicts(this_item, target_folder)
```

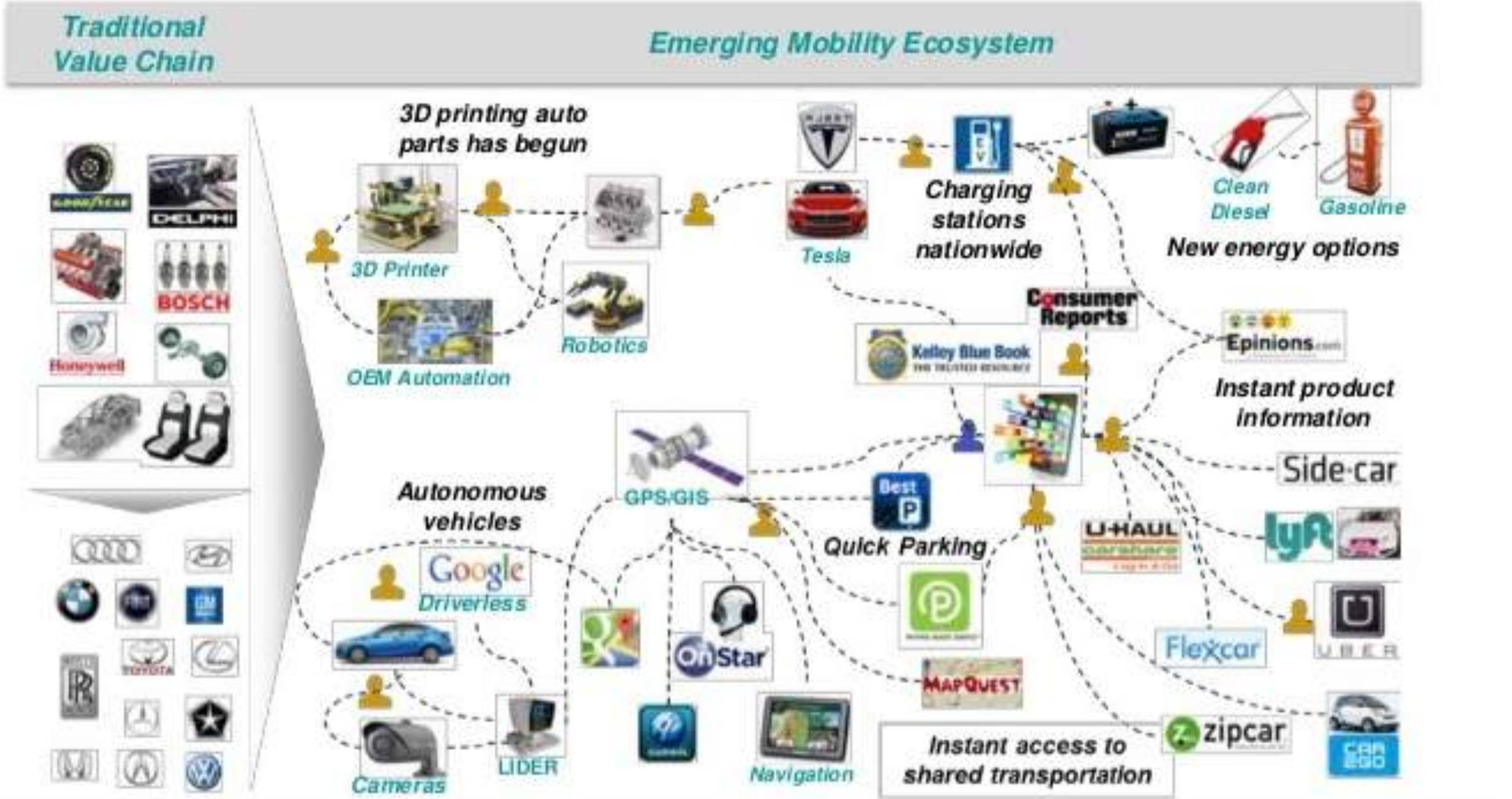
“Bürgeremanzipation im digitalen Zeitalter bedeutet: Ich weiß, was mein Rechner … tut, welche Daten er an wen übermittelt. Das geht seriös nur mit quelloffener Software.”

Leserkommentar, FAZ

VERTEILTE PRODUKTION UND INNOVATION

PRODUKTIONSNETZWERKE





WERTSCHÖPFUNG, DIGITALISIERUNG, DISRUPTION

PLATTFORMÖKONOMIE

Sector of Economy / Society, USA	Internet Impact, to Date
Consumer	
Business	
Security / Safety / Warfare	
Education	
Healthcare	
Government / Regulation / Policy Thinking	

Meeker, Internet Trends 2015, KPCB

	KakaoTalk	WeChat
Name	KakaoTalk	WeChat
Launch	March 2010	January 201
Primary Country	Korea	China
Messaging	✓	✓
Group Messaging	✓	✓
Voice Calls	Free VoIP calls (2012)	WeChat Phoneb (2014)
Video Calls / Chat	✘	✓
Payments	KakaoPay (2014)	(2013)
Stickers	(2012)	Sticker shop (2013)
Games	Game Center (2012)	(2014)
Commerce	Kakao Page (2013)	Delivery suppo w / Yixun (201
Media	Kakao Topic (2014)	✓
QR Codes	✓	QR code identity (2012
Food Delivery	✘	Partnership w Foodpanda (20
Taxi Services	Kakao Taxi (2015)	Taxi services Didi Dache (20
User Stories / Moments	Kakao Story (2012)	WeChat Mome

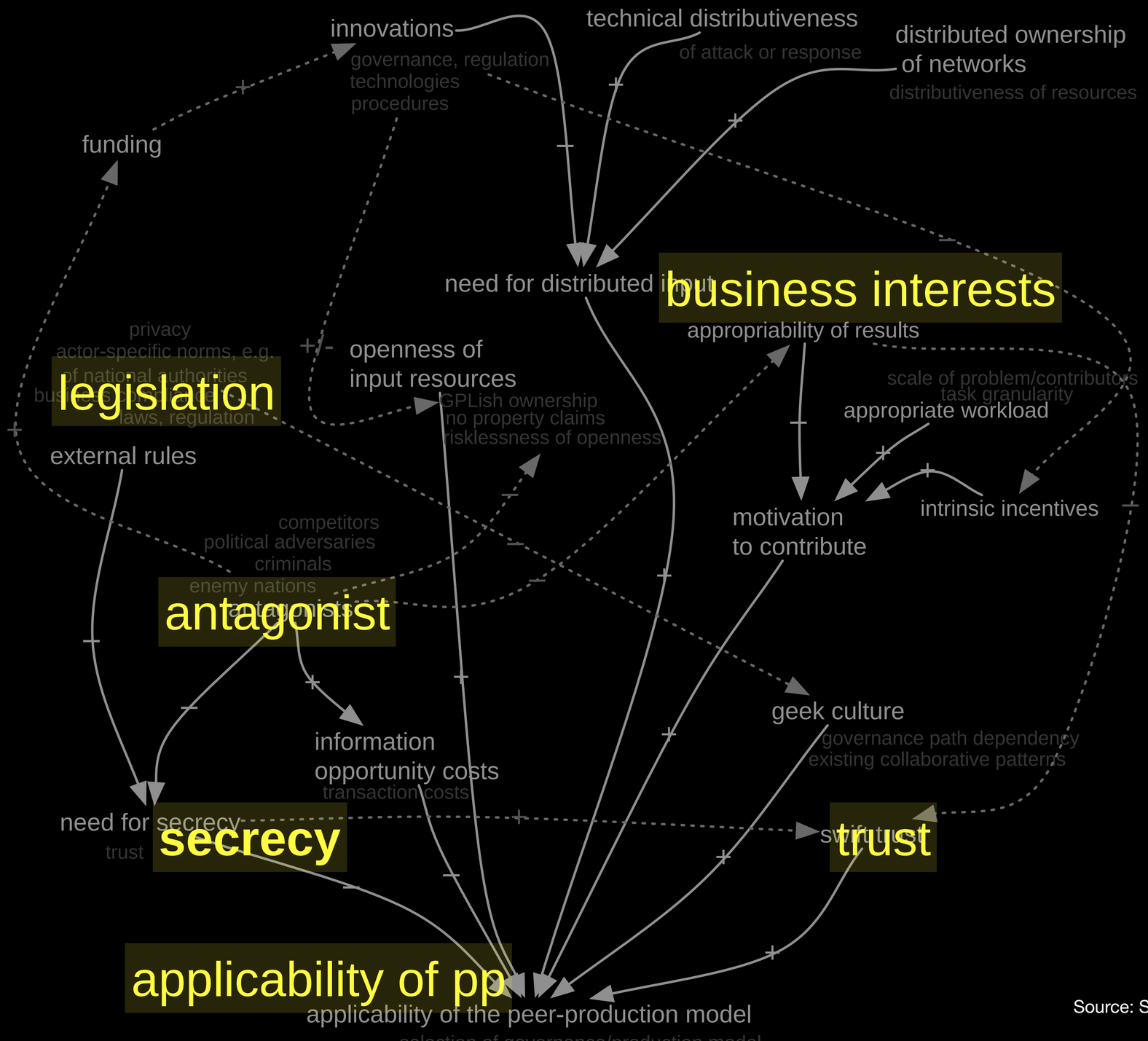
verteilt

offen

sozial

John Snow, 1854, Clusteranalyse zu Cholera in London

SICHERUNG VON COMMUNITIES



ERMÖGLICHER UND BEGRENZER VON ÖFFENHEIT

Source: SvO, Figure 3.1

ORGANISATORISCHE INFORMATIONSSICHERHEIT

INDIVIDUELLE SICHERHEIT:
Z.B. SECURITY IN-A-BOX

https://tacticaltech.org/projects/security-box

UMSCHRANKUNG VON COMMUNITIES

Distributiveness	Hybrid of decentrality and distributiveness
Openness	Gated openness, in practice and idea; club characteristics
Socialness	Strong elements of socialness

Source: SvO, Table 6.2

SECRECY VERSUS OPENNESS

INTERNET SECURITY AND THE LIMITS OF OPEN SOURCE AND PEER PRODUCTION

ANDREAS SCHMIDT

REPOSITORY.TUDELFT.NL

@shmt, shmt@me.com, netdefences.com/research

CHARACTERISTICS OF SOCIAL PRODUCTION

Distributiveness	Distributed network-topology of contributors; absence of central hub or decentralised hubs Peer governance; hierarchies only ad-hoc or meritocratic
Openness	No or low access restrictions on production platform Accessibility of intermediary goods Internal transparency about activities and contributions Produced goods non-proprietary, accessible, reusable, adaptable outside market/hierarchy-exchange frameworks; forkable Open source-ideology
Socialness	Non-hierarchical Non-market-based Voluntary; intrinsic motivations

Source: SvO, Table 2.2

VARIETIES OF SOCIAL PRODUCTION

	Distributiveness	Openness	Socialness
Social production			★
Peer production	★		★
Commons-based peer production	★	★	★
Social crowdsourcing			★

Source: SvO, Table 2.1