

Digital Agenda Assembly 2012

Brussels, 21-22 June

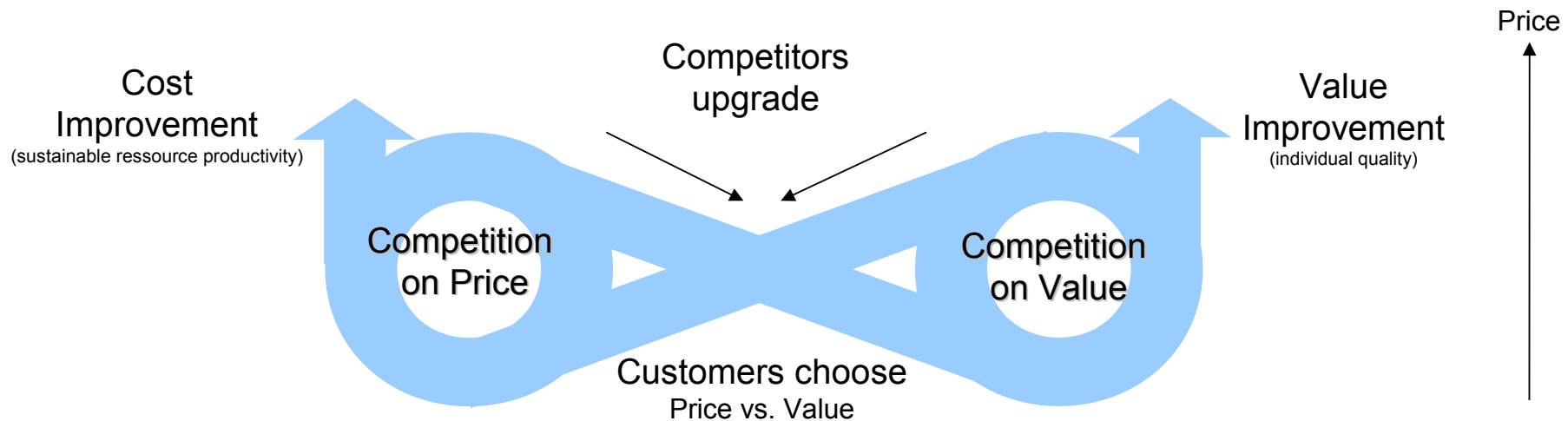
Linking Security with Economics
Re-Empower Citizens & Companies
to Secure Economic Growth

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Priway





For markets to create value over time Demand has to control the critical resource !



Digital Agenda problem:

Identification blocking markets by moving control from citizen to infrastructure

Market	Physical Value chain	Digital Value chain
Demand	Next in value chain	End-customer/Citizen
Critical Resource	Money	Personal Data / Keys

Digital Agenda challenge:

How do we ensure control of critical resources remain with citizens !?

Digital value chains control physical value chains
Digital market distortions leads to physical market distortions



Security is key to economics

- Define who has control
- Define the ability to change and customize
- Security by Design

Identification is digital pollution

Power and risk concentrate exponentially

Problem: Identification dis-empower

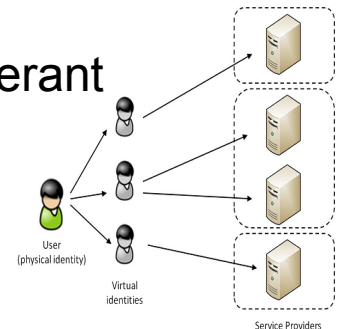


Turns everything into targets
Impossible to secure
Command & Control driven
Destabilizing

Solution : Control at the edge

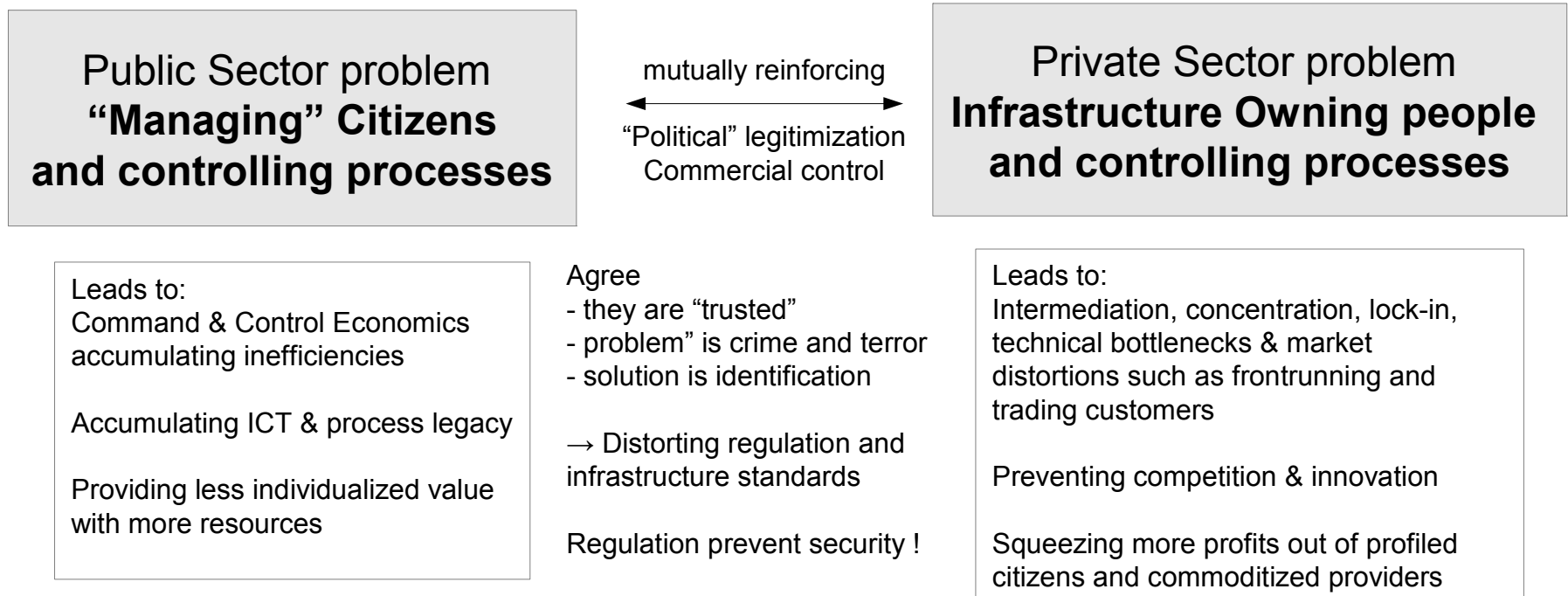


Control distribution
Risk Isolation & fault tolerant
Demand-driven
Stabilizing





Security barriers for Growth



**Single market cannot deliver
unless these security problems are resolved!**

They are even through identification the source of most security problems!

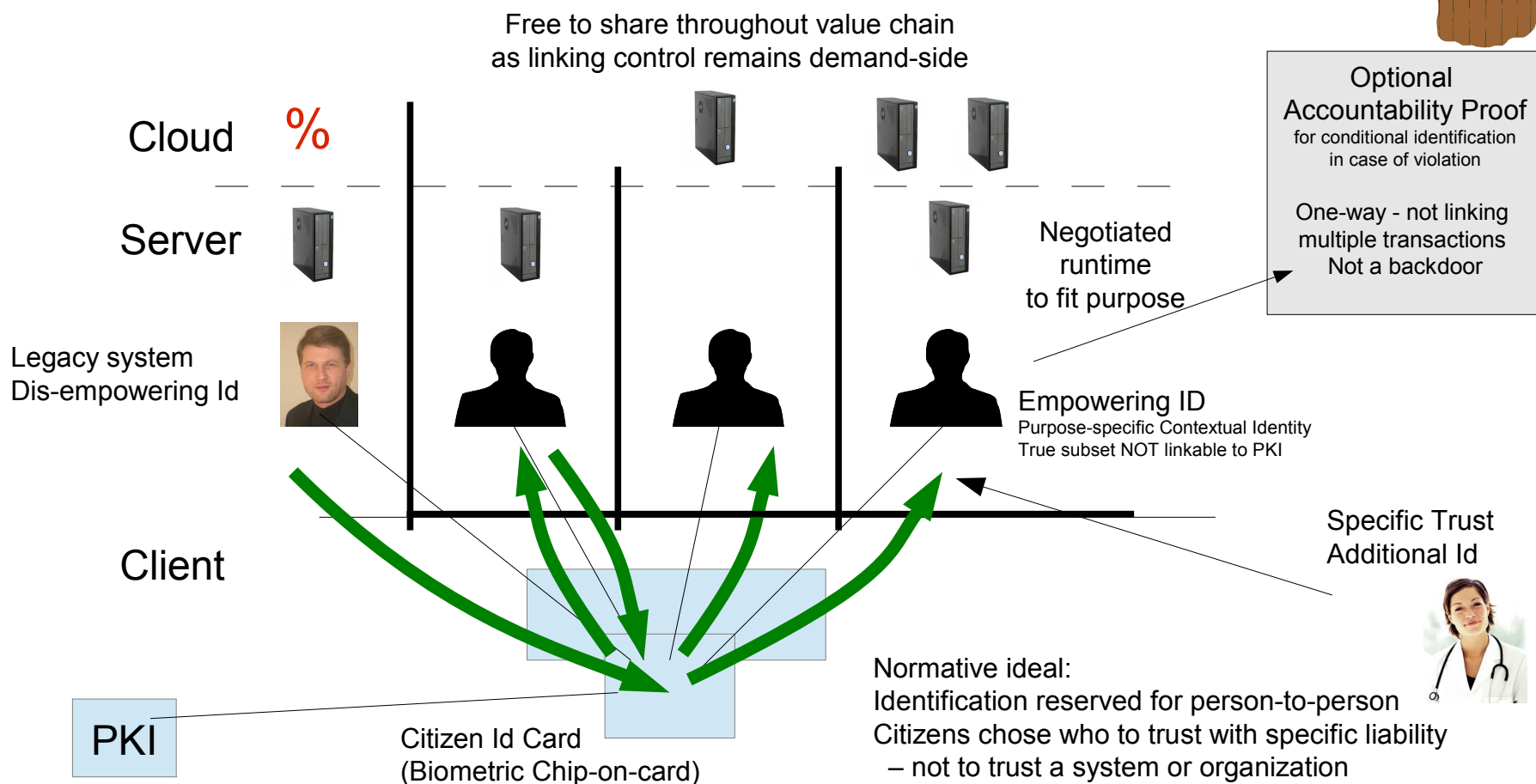


Security or Controlware?

Market	Control-ware	Empowering Security
What market buy?	Central Control over people and processes	Distributed Security for growth & Customer Loyalty
Product	Identification, Surveillance, Perimeter Access Control	Built-in security, control distribution, Parametrized & Interoperable identity
Strategic	Power & Short-term Profit	Demand Empowerment & long-term Value Creation & Loyalty
Tactical	Lock-in, prevent competition, compliance through “spin”	Flexibility, Interoperability & Upgrade, Innovation, Adaption/Customization to context & Customer needs, compliance by design
Operational	Optimize control through Identification & surveillance – personal data as an asset and source of Power	Security by Design, minimize stakeholder risks – personal data as a liability and source of distrust
Perceived Barriers	Regulation (Data Protection) Growing security failure Citizen distrust	Regulation (Data Retention & identification) Infrastructure “kartel” standards “Citizen as product” market distortions Complexity
Society value	Negative – market failure	Market enabler



Citizen Empowerment

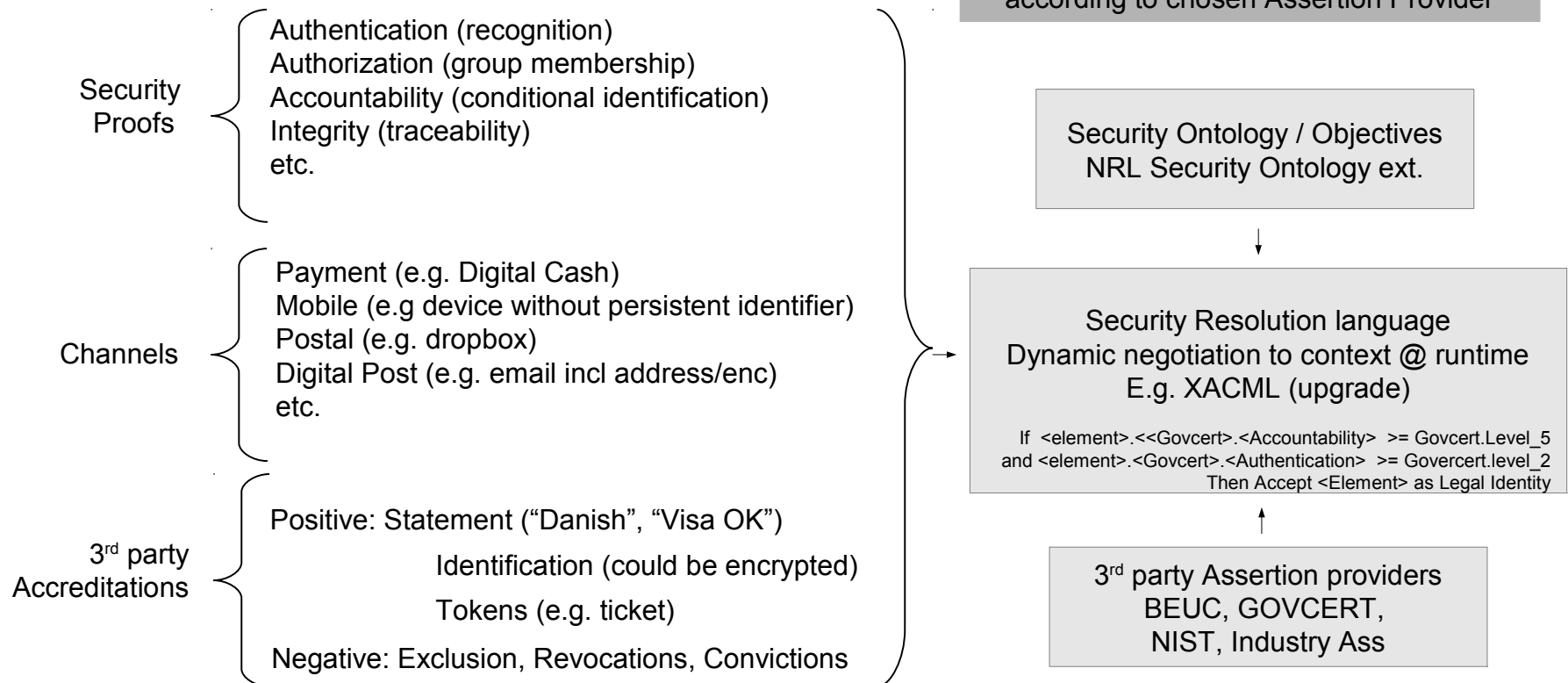




How do we create a Security Market?

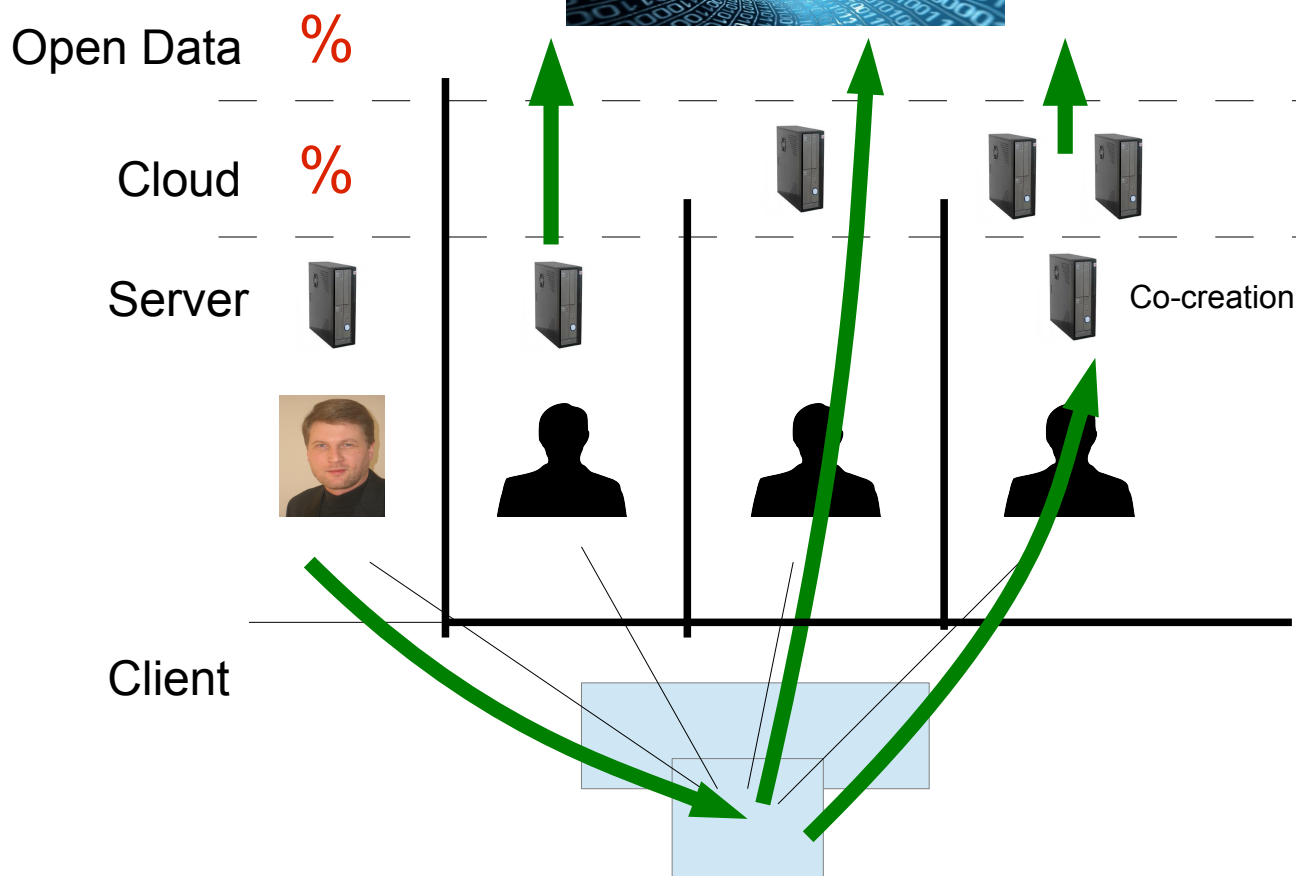
We parameterize interoperable identity !!

Identity := A set of optional elements





Open Data



Data that have not been personal data
can be open data !

No "Trusted" Party
backdoor or profiling

Research can request
even intimate details
without bureaucratic
or non-transparent
use of data

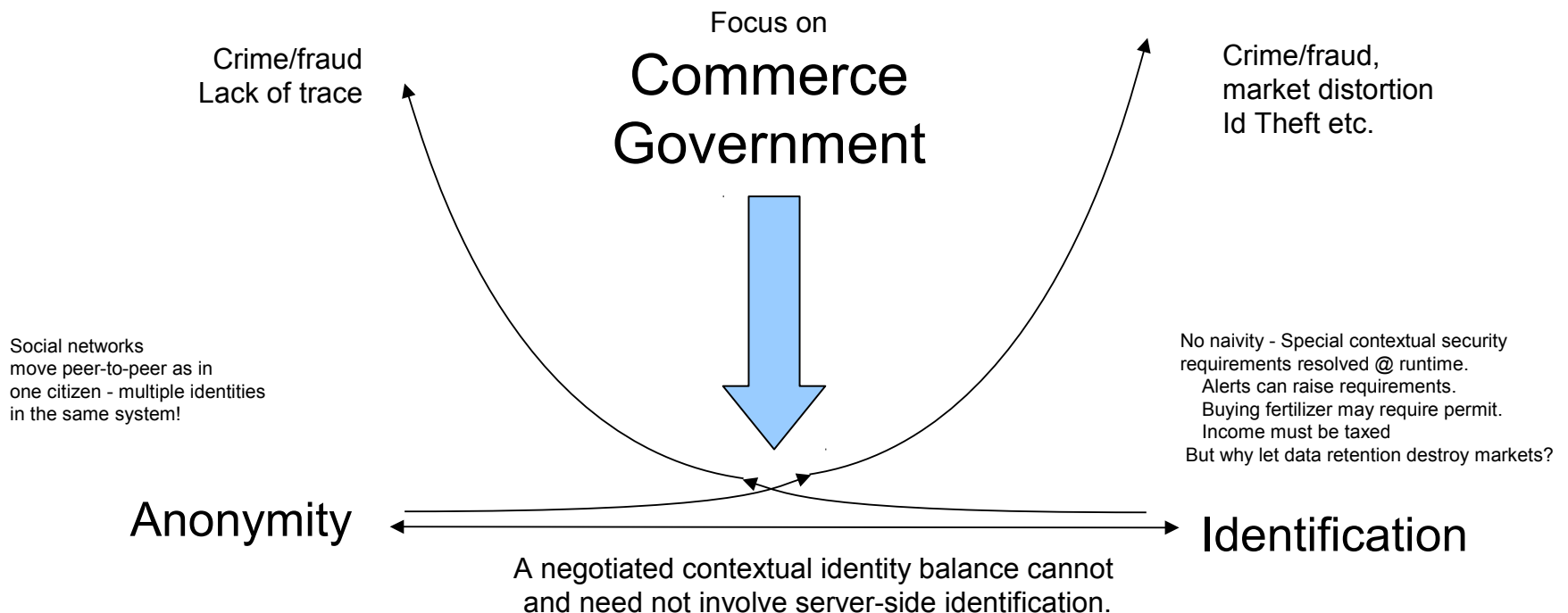
Empowering Identity
with citizen in control
means
Service interfaces
always open
for co-creation
but not for
intermediation



Horizon 2020 Vision

Re-Empower Citizens & Companies in Single Market
through active citizen control of contextual identity & data.

“Your security is limited by the number of isolated identities, your tools can manage.”





2020 Vision – Empower the Citizen

To recover economically, we must re-empower the Demand to control the critical resources as requisite to public and private sector economic growth.

Suggested goals for 2020 in order to gradually secure needs-driven innovation:

- National ID 2.0 (Citizen Id) is fully enabled
 - Citizens can trade, reuse data and act purpose-specific trusting to remain control
 - An inclusive Semantic Identity standard in place and security market enabled
 - All infrastructure channels opened and new standards supporting empowerment defined
- Regulation needs to change both to remove barriers and enable
 - Data retention, money-related, e-Identification etc. to accept dynamic Identity
 - Enforce a security split between infrastructure & transaction service providers
 - “Right to transact without identification” but with contextual restrictions
- Driver: No Direct Marketing based on personal data
 - DM based on subscription pull or intra-context push
- Driver: All new or changed Government services empowering
 - Legacy systems gets wrapped and gradually upgraded.

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You cannot solve problems with the thinking that created them
Albert Einstein





Extra slides

For those not present at the workshop,
I have included some additional information.

You might also want to check these links

<http://digitaliser.dk/resource/896495>

<http://www.worldofends.com/>

<http://googleopoly.net/>

<http://www.ambafrance-dk.org/spip.php?article3558>

http://www.credentica.com/the_mit_pressbook.html

http://www.hydramiddleware.eu/downloads.php?cat_id=2&download_id=48



Trust

The defining characteristic of the untrustworthy

- They try to build trust

The trustworthy don't consider trust

- They avoid creating risks

Intellectuals solve problems; geniuses prevent them.

Albert Einstein



To preserve Data Protection we need to kill the dichotomy

If citizen are identified,

- citizens and counterparts become targets
- no way to secure data or cloud – consent or not
- no way to revoke data in a trustworthy manor
- rapidly escalating identity theft
- no way to know if data are abused
- commercial counterpart are not free to share
 - and if he do, he cannot be secure (intermediation)
- i.e. we cannot build trust even when not sharing data

Difficult
choice?

If citizen are not identified,

- extremely hard to attack the citizen or the counterpart
 - you cannot attack what you cannot target
- no identity theft
- opt-in is implicit, opt-out is guaranteed
- citizen are in control if re-use is in line with consent
- even cloud is secure
- commercial counterpart are free to share
 - and if he do, he is secure
- i.e. trust is almost ensured even when sharing data.



Empowerment begins when

When citizens have CONTROL

- When citizens are exclusively able to link non-related transactions
- When historic data can only be reused by the citizens
- When processes are subjected to minimum disclosure

When they can CHOOSE

- When regulation or standards don't dictate solutions
- When interfaces are semantically interoperable for new solutions

When they can ACT and TRANSACT

- When you can sign an agreement without identifying
- When you can pay, communicate, trade etc. without linking

When they are able/capable

- When they have the tools and rights to use them
- When they understand the implications



Identification destroy trust !

