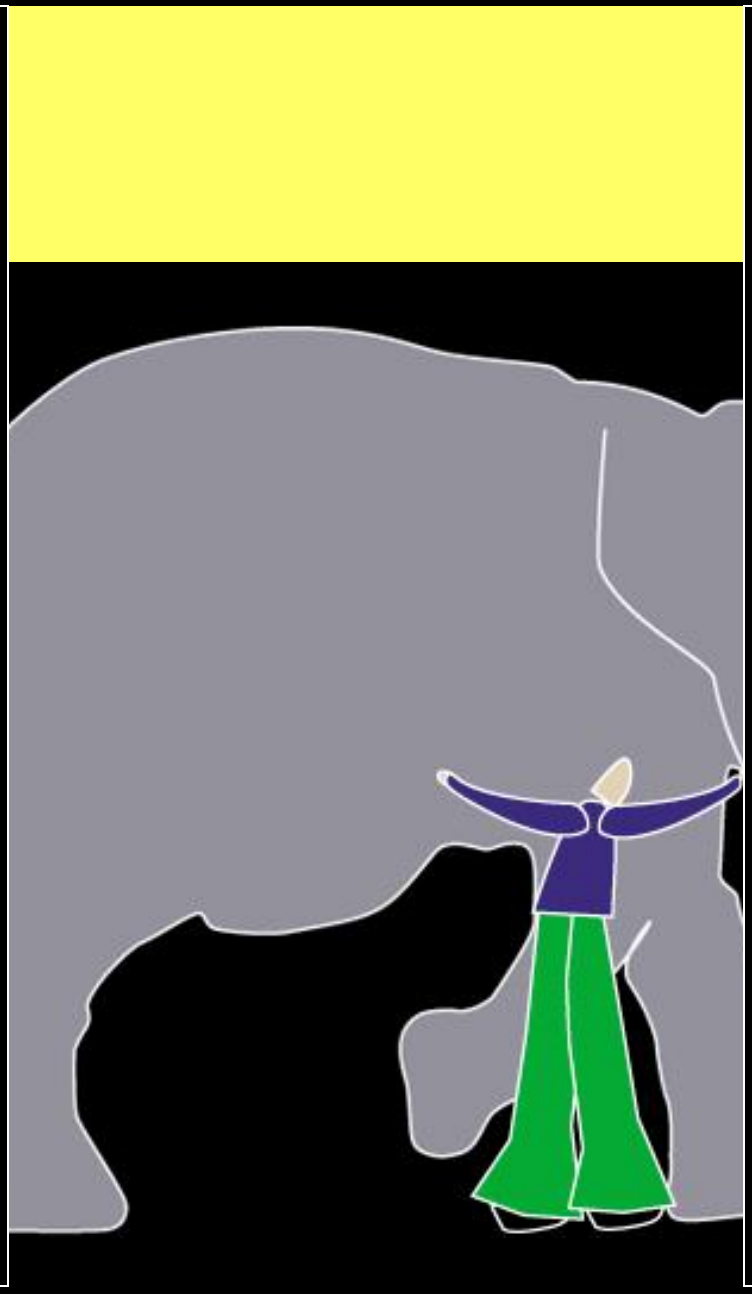
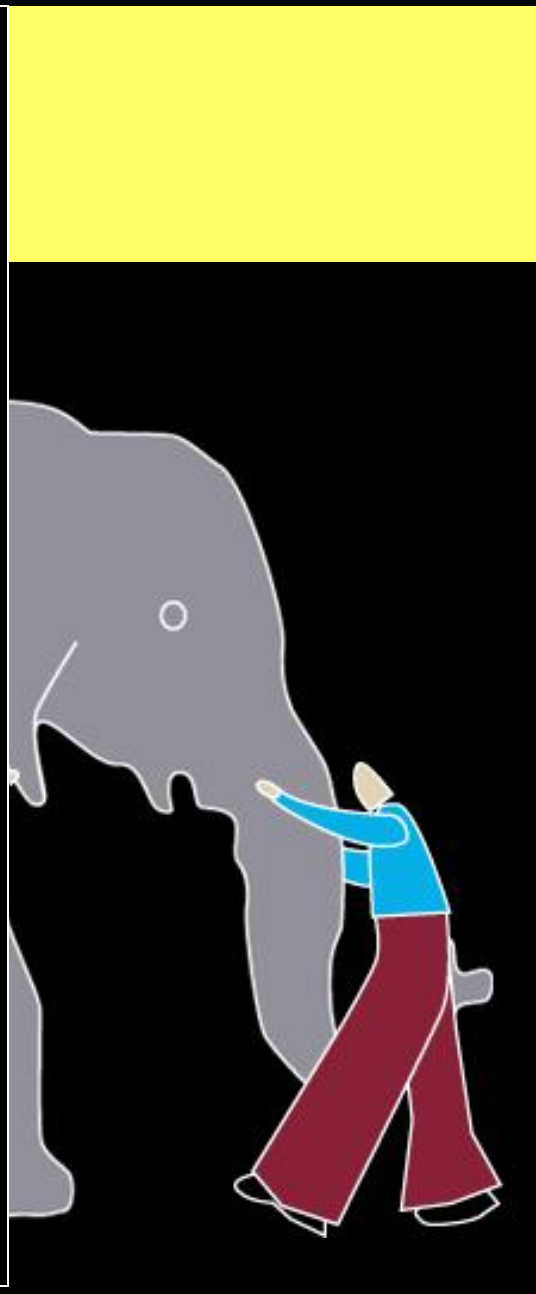
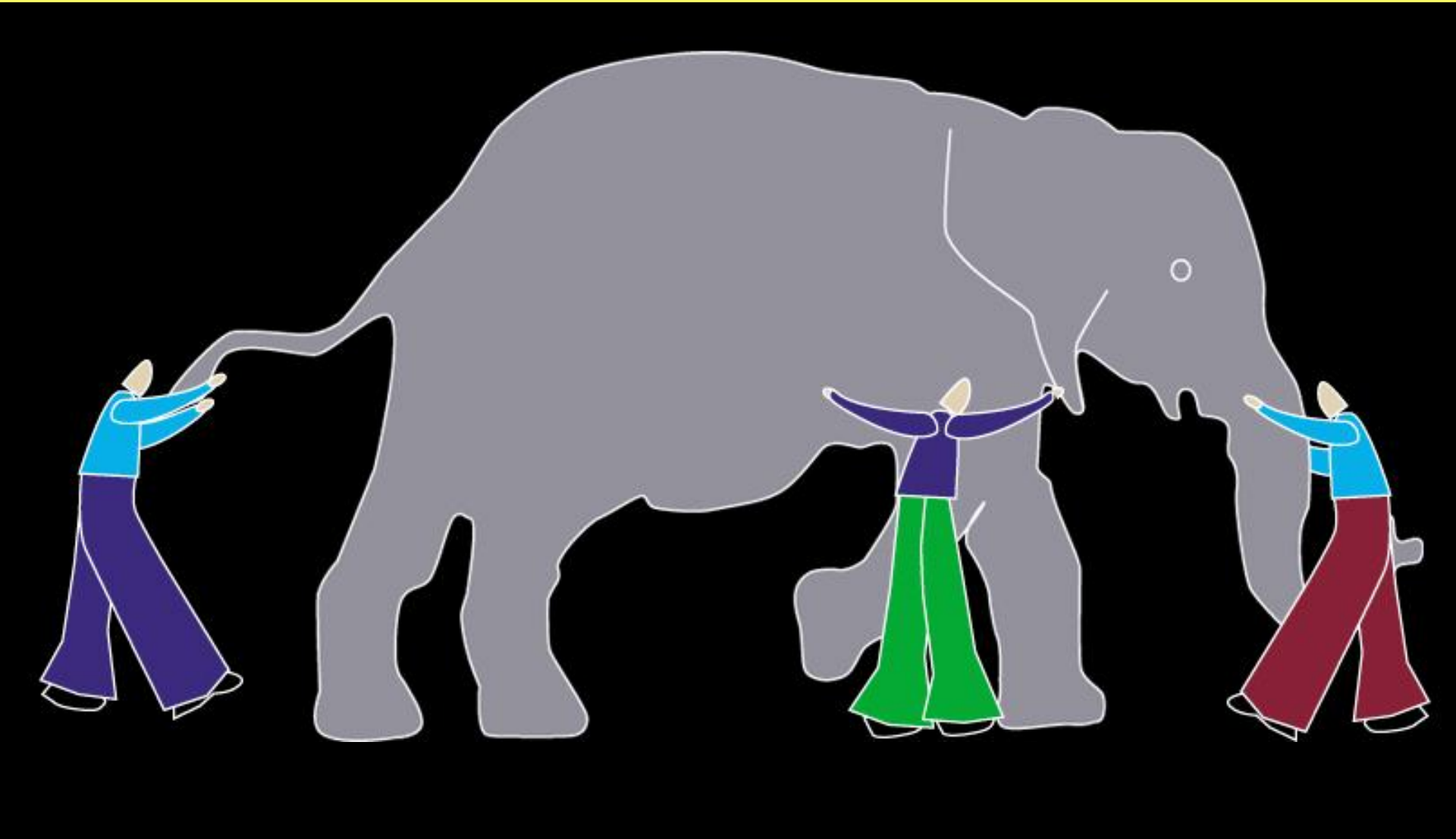
e-Government and e-Participation

Ivar Tallo





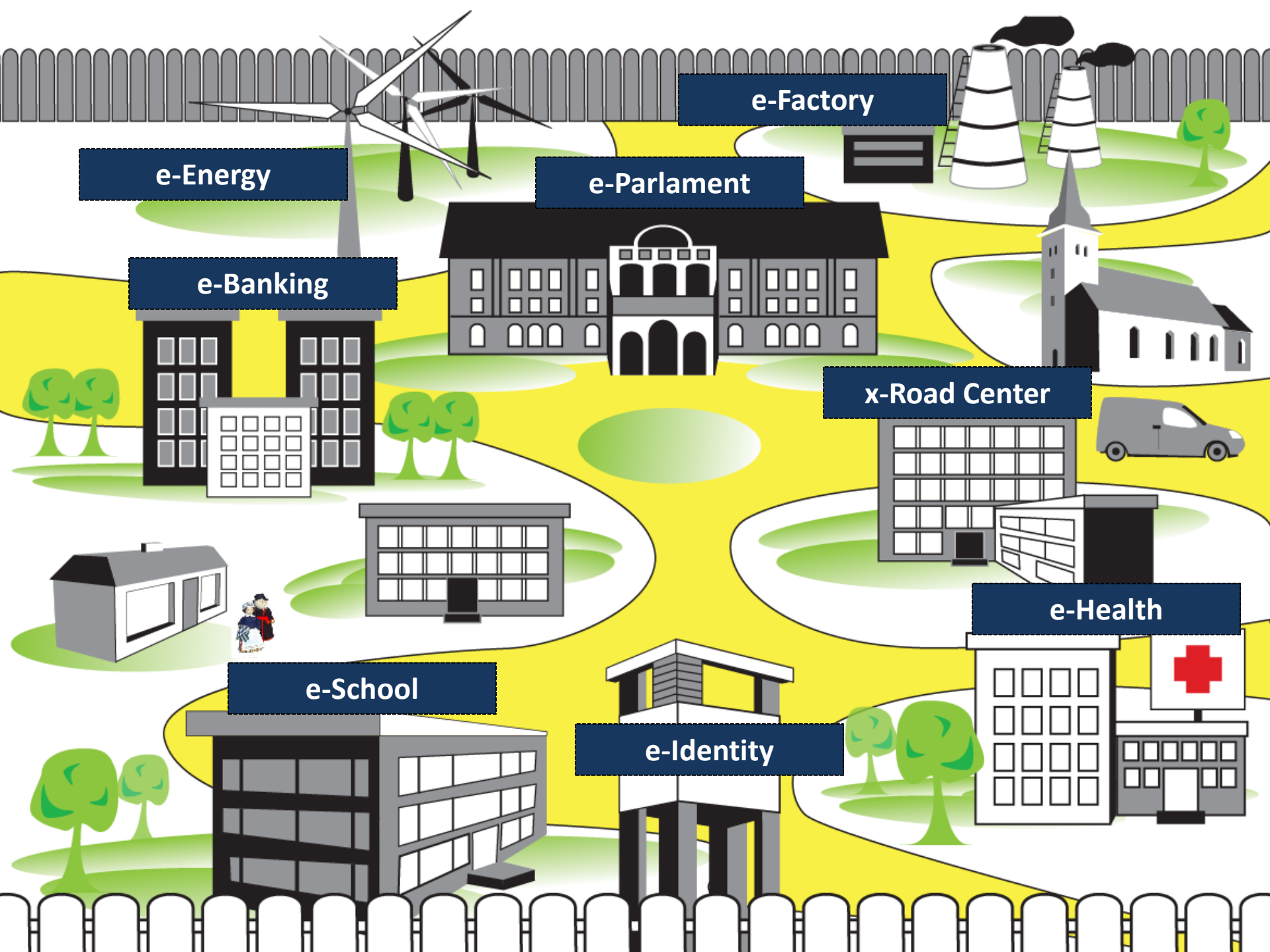


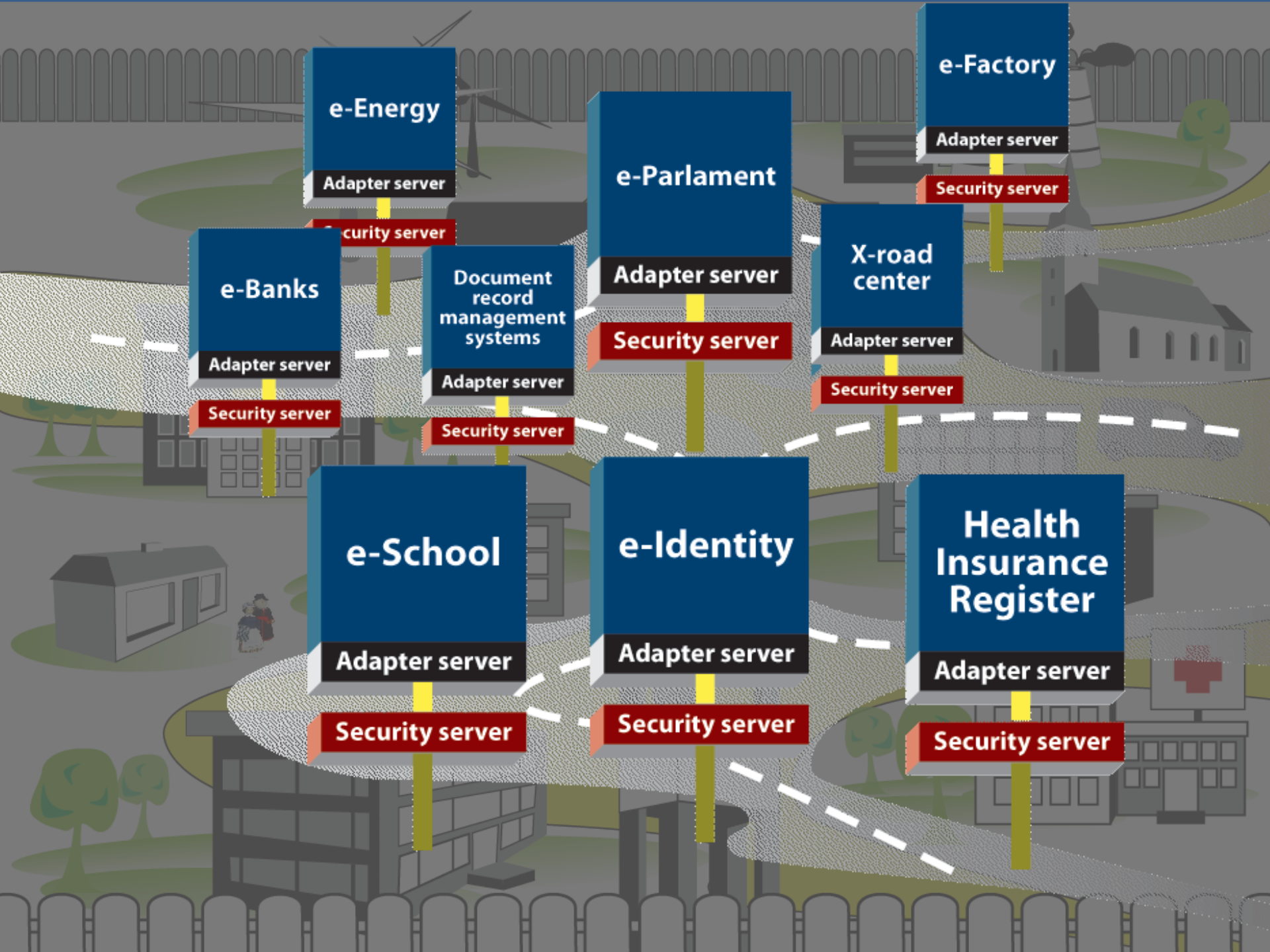
E-Government infrastructure?

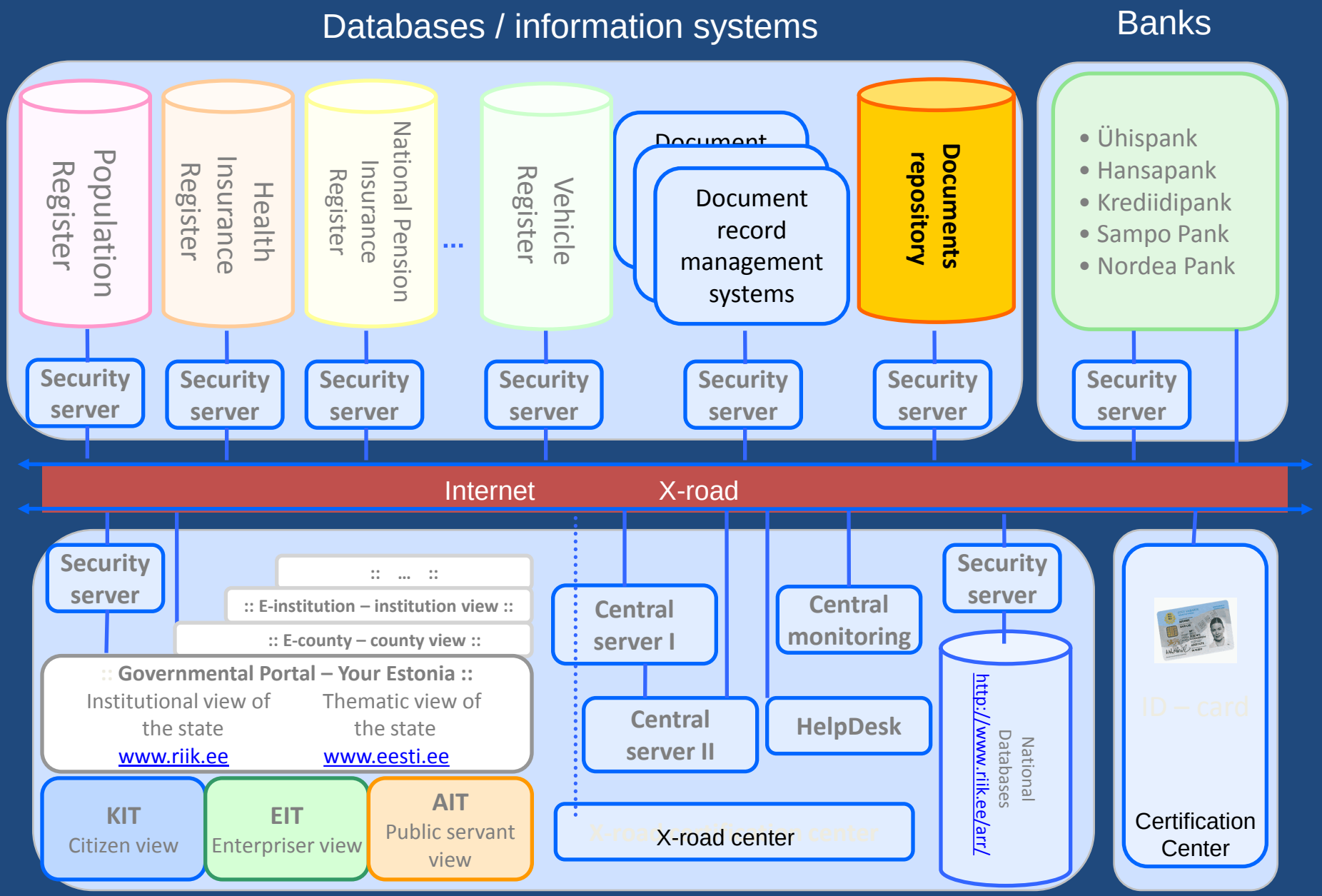
Digitalised Information

Formalized exchange

Electronic identity


e-Factory
e-Energy
e-Parlament
e-Banking
x-Road Center
e-Health
e-School
e-Identity


e-Energy
Adapter server
curity server
e-Factory
Adapter server
Security server
e-Parlament
Adapter server
Security server
e-Banks
Adapter server
Security server
Document record management systems
Adapter server
Security server
X-road center
Adapter server
Security server
e-School
Adapter server
Security server
e-Identity
Adapter server
Security server
Health Insurance Register
Adapter server
Security server


Databases / information systems
Banks
Population Register
Health Insurance Register
National Pension Insurance Register
...
Vehicle Register
Document record management systems
Documents repository
• Ühispank
• Hansapank
• Krediidipank
• Sampo Pank
• Nordea Pank
Security server
Internet
X-road
:: ... ::
:: E-institution – institution view ::
:: E-county – county view ::
:: Governmental Portal – Your Estonia ::
Institutional view of the state
www.riik.ee
Thematic view of the state
www.eesti.ee
KIT
Citizen view
EIT
Enterpriser view
AIT
Public servant view
Central server I
Central server II
Central monitoring
HelpDesk
X-road center
National Databases
http://www.riik.ee/arr/
ID – card
Certification Center

National ID card

Based on 16 Kb RSA crypto-chip:
2 private keys;

- authentication certificate;
- certifacate to issue digital signature;

A file with personal data

Issued by:

Department of Citizenship and Migration

Subcontractor:

TRÜB Switzerland

First card issued: 01.01.2002

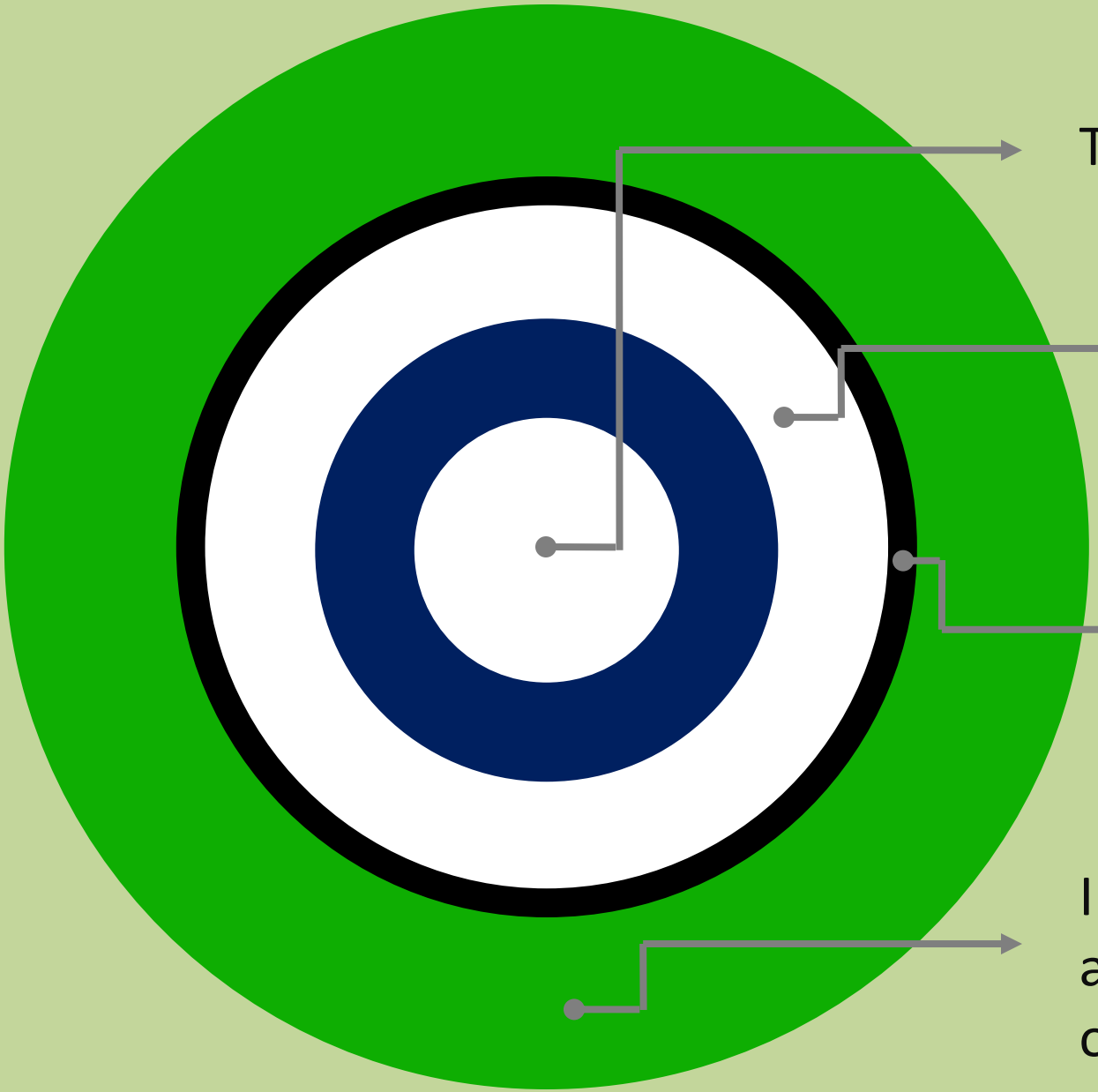
Over 1.000.000 now

Satisfies the requirements of:
ICAO Doc. 9303 part 3

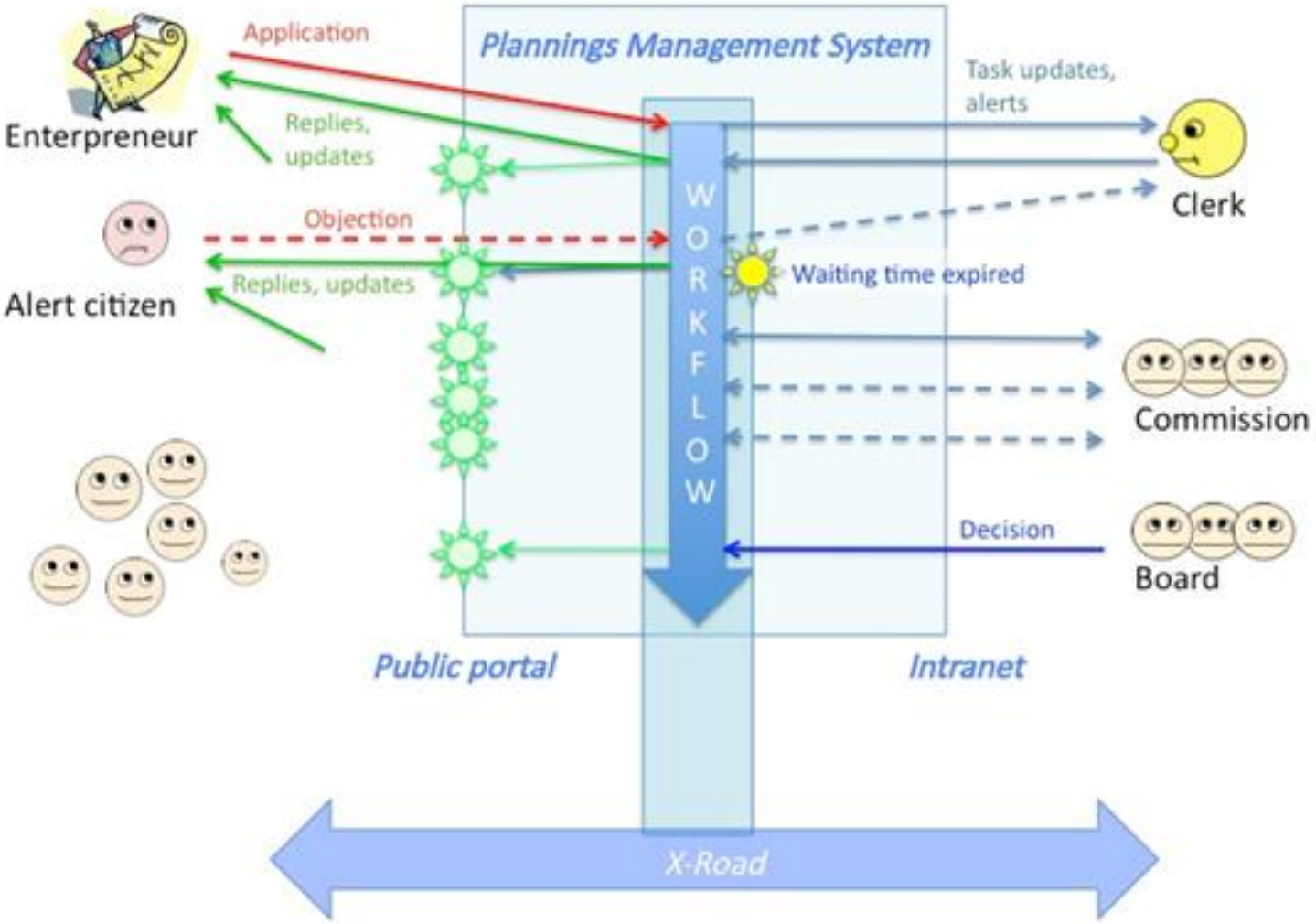
Transparency

TRANSPARENCY OF INFORMATION

TRANSPARENCY OF PROCEDURES


Transparency
Raising the level of trust
Lowering the transaction costs
Increase of wealth and well being of society

Electronic Municipal Planning Registry

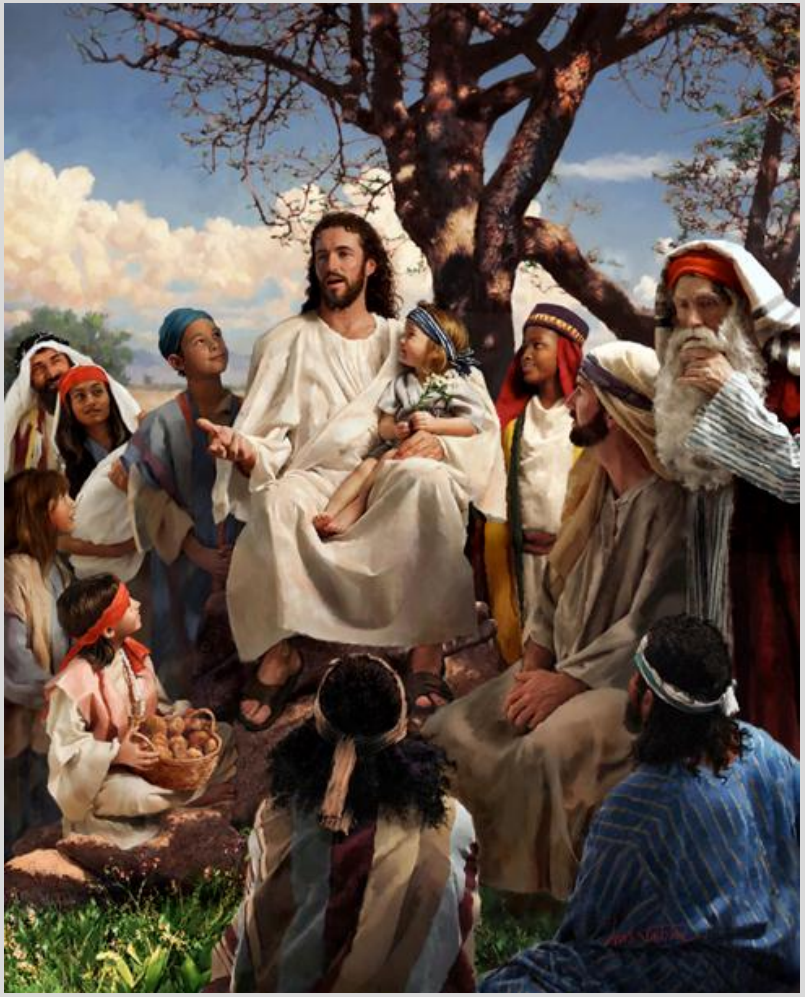


6000 registred users at the end of 2010

Ubiquity of information

What happens if we integrate all information into one single field?

He knew the future ...



Oracle is destroyed ..

Pyramid of values

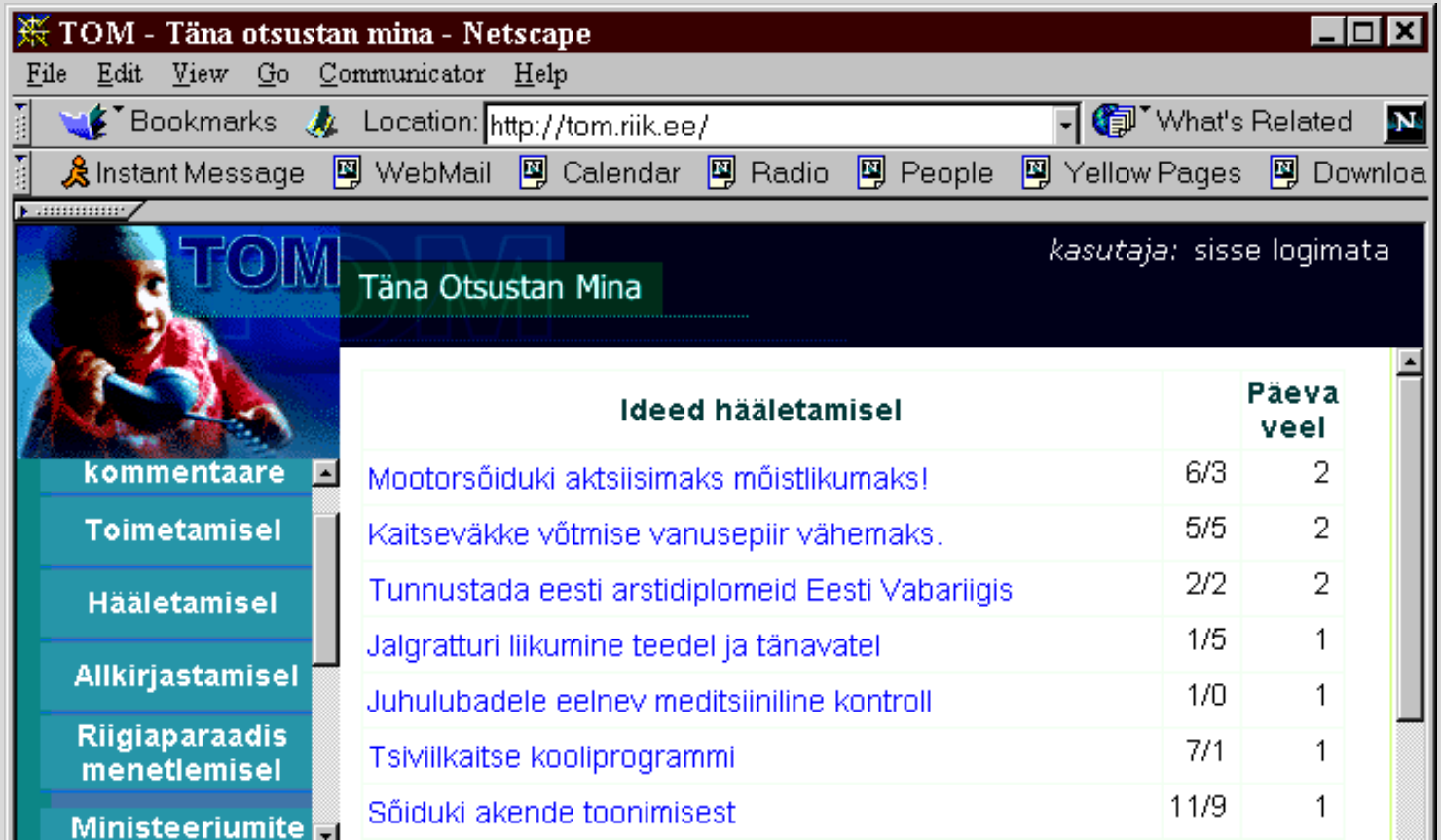
- Liberal – 18th century
- Democratic – 19th century
- Social – 20th cenury
- Empowerment – 21th century

http://ftp.jrc.es/EURdoc/eur22897en.pdf

I decide today

http://tom.riik.ee/

Citizens could make legislative proposal



Consequences of electronic identity

Citizen – from a

Receiver of Services and

Provider of Information to

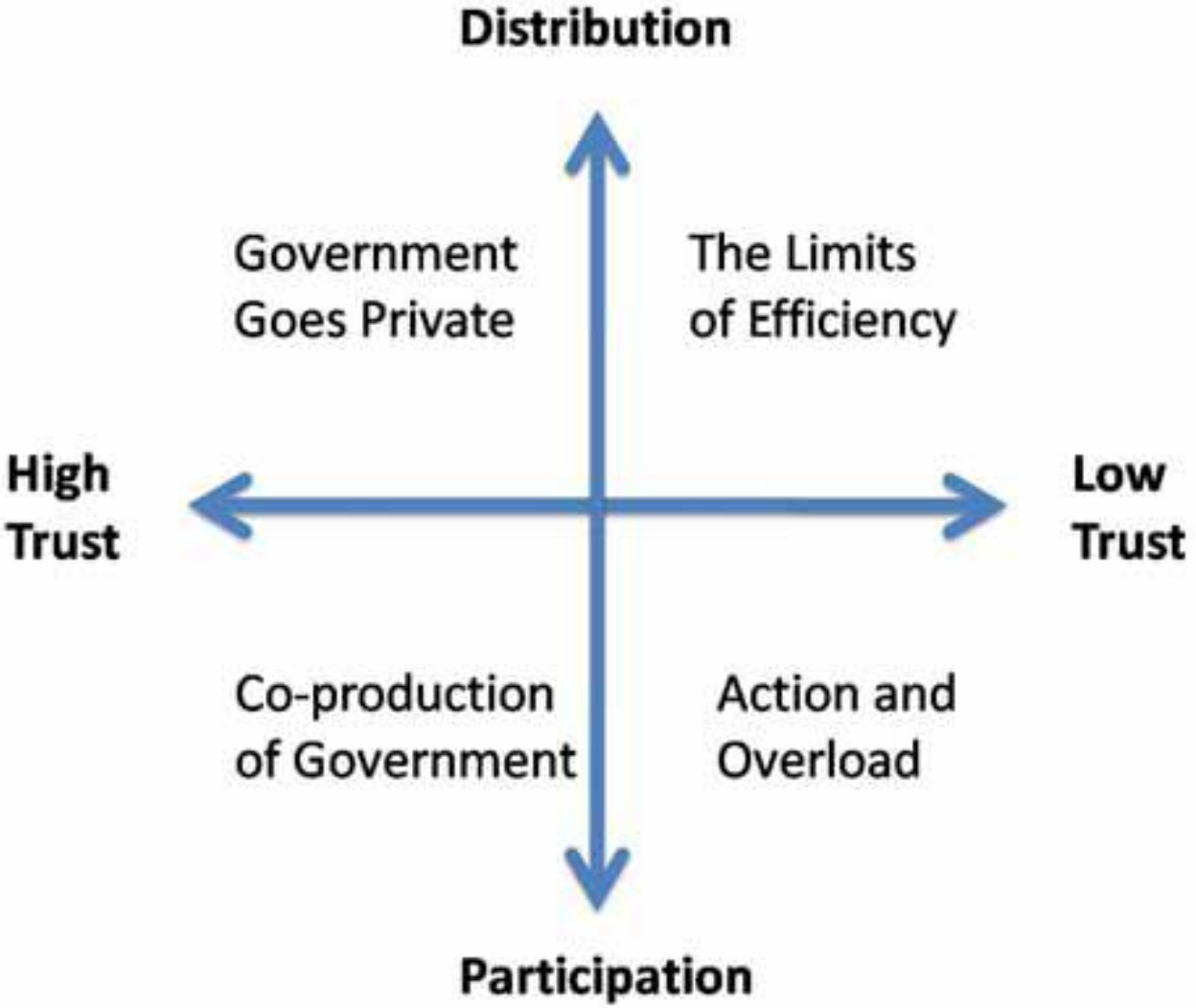
a Decision Maker

Distribution of resources:

people – voting

money – participatory budgeting

Innova egov2020 study



Thank you! Questions?

Ivar.Tallo@ega.ee