

Digital Identity and Use of Individuals Data in Estonia

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Japan & Estonia/EU Association for
Digital Society*





ESTONIA IN FACTS

POPULATION

1.3 million

LANGUAGE

Estonian

SIZE

45 339 sq. km

CAPITAL CITY

Tallinn

CURRENCY

Euro

GOVERNMENT

Parliamentary democracy

MEMBER OF

EU, NATO, WTO, OECD, **DIGITAL 5**

ICT SECTOR

7% of GDP

GDP

25,9 bln USD



e-State

Redefining governance,
simplifying life and business



Empowering

Everything can be done online except for marriage, divorce and selling your house



ONCE-ONLY PRINCIPLE

NO LEGACY

DIGITAL BY DEFAULT

SINGLE POINT OF ENTRY



USER FRIENDLINESS

OMNI-CHANNEL SERVICES

OPEN STANDARDS

24/7



Everywhere

Internet is a social right

- ▶ BROADBAND IN 88% OF HOMES, 100 Mbps BY 2018
- ▶ 3G, 4G COVER THE WHOLE COUNTRY, 5G PILOT IN 2018
- ▶ FREE WIFI AREAS ALL AROUND

Efficient

Time-efficient electronic solutions save money and more

▲ **DIGITAL SIGNATURE SAVES 2% OF GDP PER YEAR**

▲ **50 TIMES MORE EFFICIENT CONNECTED POLICE**

▲ **MANAGE WORK AND BUSINESS DISTANTLY**

▲ **1/3 LESS QUEUES AT THE HOSPITALS**

▲ **BEST TAX COLLECTOR IN THE WORLD**

▲ **I- VOTING 2.5 TIMES CHEAPER**

Economical

State budget optimized



UK

20 bln EUR per year



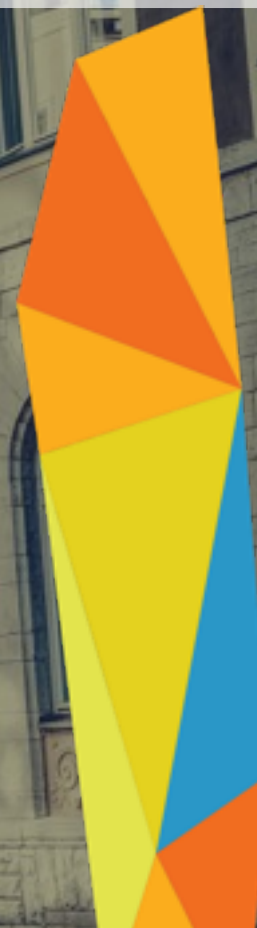
Finland

2 bln EUR per year



Estonia

50 mln EUR per year



Easy

e-Solutions simplify and benefit our lives.

E-CABINET: 5 HOUR MEETINGS TO 30 Min

TAXES DECLARATION TAKES 3 MINUTES

99% OF STATE SERVICES ARE ONLINE

I- VOTING - 30% VOTE ONLINE

INVISIBLE GOVERNANCE

BANKING IS ONLINE 99.8%

E-TAXES 98% ONLINE

E-PRESCRIPTIONS 99%

PAPER-FREE ADMINISTRATION

EASY BUSINESS IN 18 MINUTES



VICE-PRESIDENT (2014-2019)

Andrus Ansip

Digital Single Market

Security Model

Confidentiality

ID-card Mobile-ID

Preventing the disclosure of information to unauthorized individuals or systems.

Availability

X-ROAD

Making sure that the computing systems, the security controls, and the communication channels are functioning correctly.

Integrity

KSI Blockchain

Maintaining and assuring the accuracy and consistency of systems and data.

e-Identity

It all relies on collaboration through engagement.

ID-card penetration is over 94%

IDENTIFICATION

VOTING

TRAVELLING

BUSINESS, BANKING

DIGITAL SIGNATURE

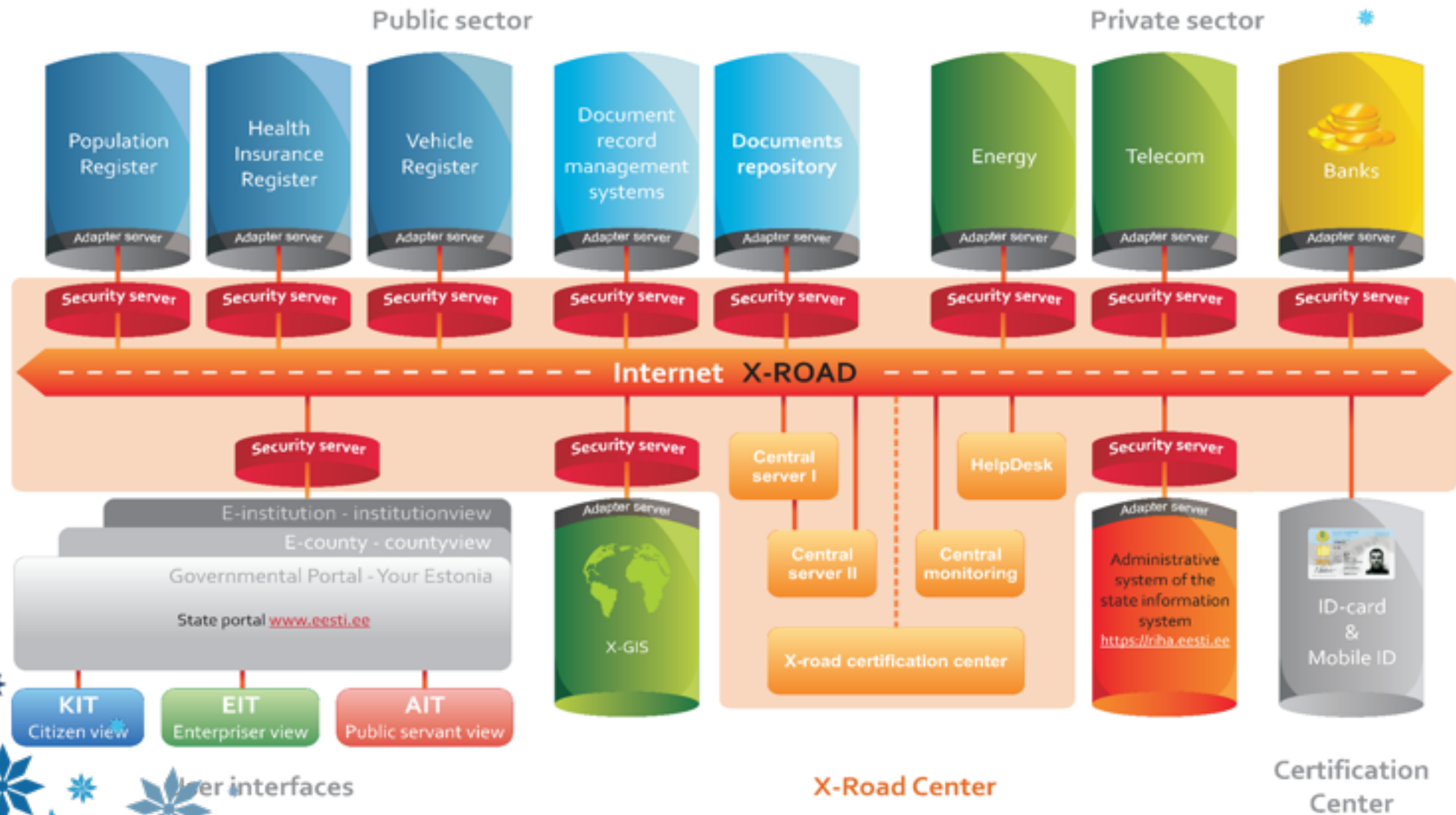
DRIVING LICENSE

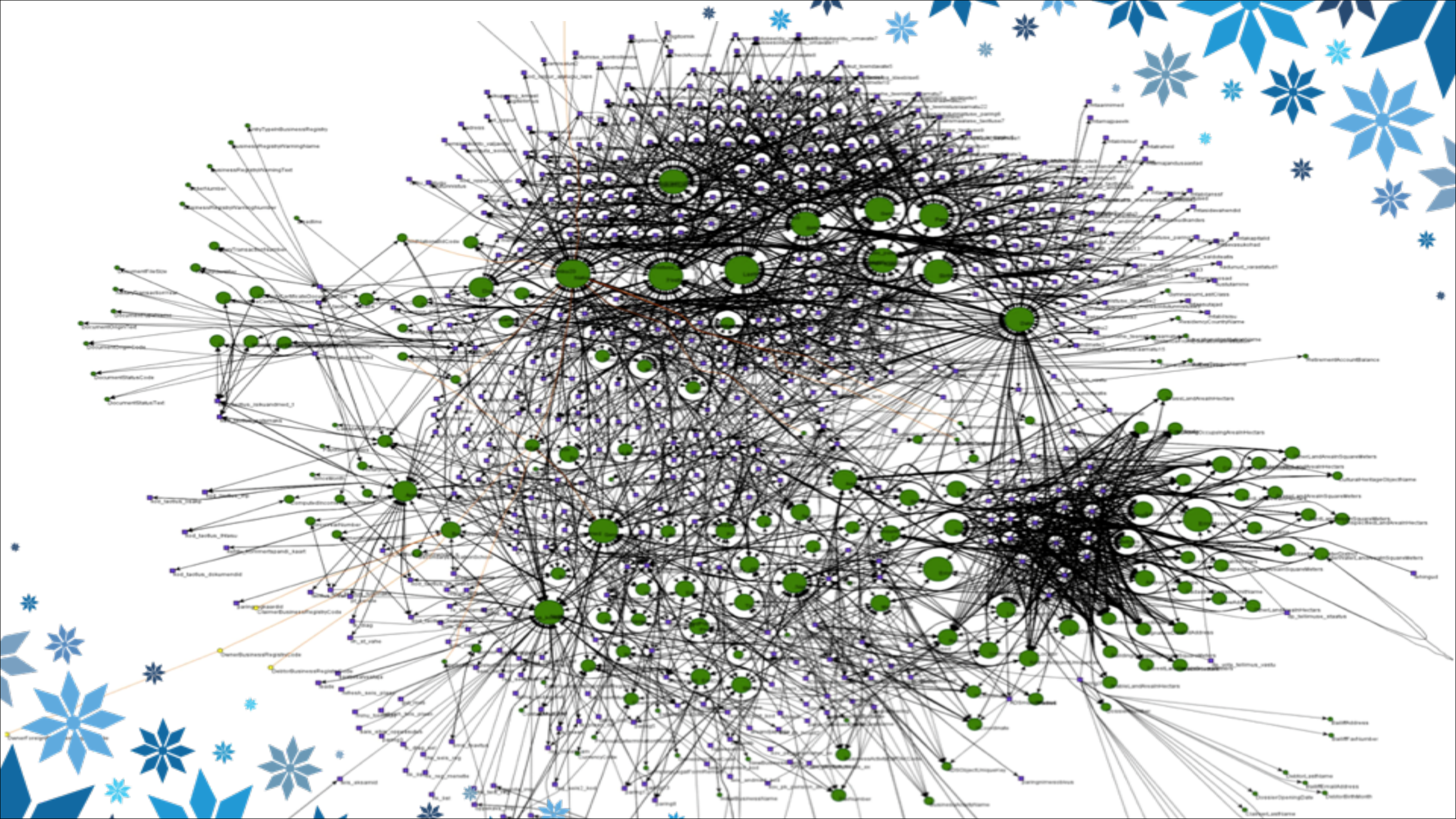
STATE SERVICES

PUBLIC TRANSPORT

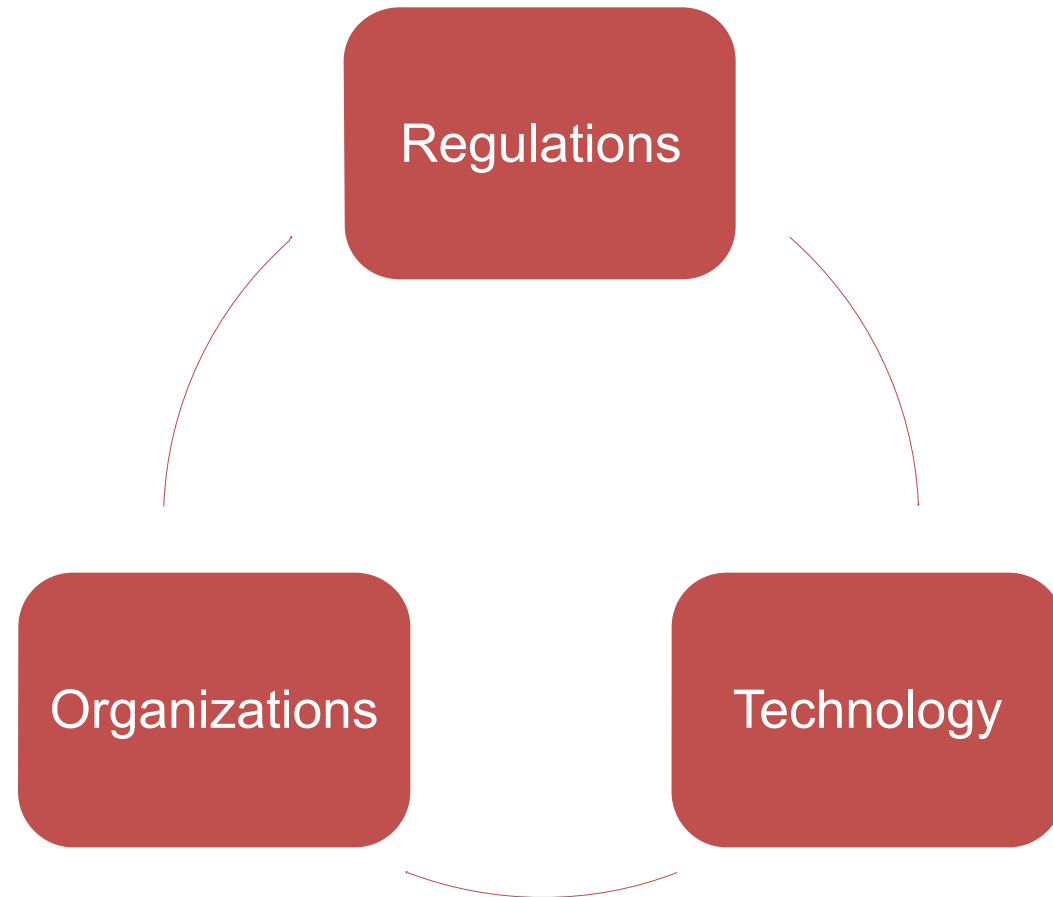
HEALTHCARE

LOYALTY CARD





E-Governance: not just about technology





e-Tax Board



e-School



Digital
Signature



ID Card



i-Voting



m-Parking



Population
Registry



ID bus ticket



Mobile-ID



X-road



e-Land Registry



Keyless Signature
Infrastructure



e-Police system



e-Health system



Smart Grid



X-Road Europe

2008

2010

2011

2012

2013

2014



e-Prescription



Country-wide
EV quick
charging
Network



e-Residency



Data Embassy

e-Residency

Become an e-Resident like 18 800 others
Over 450 new companies established in 1 year!



e-Estonia.com
The Digital Society





東京海上日動



PLANET
WAY

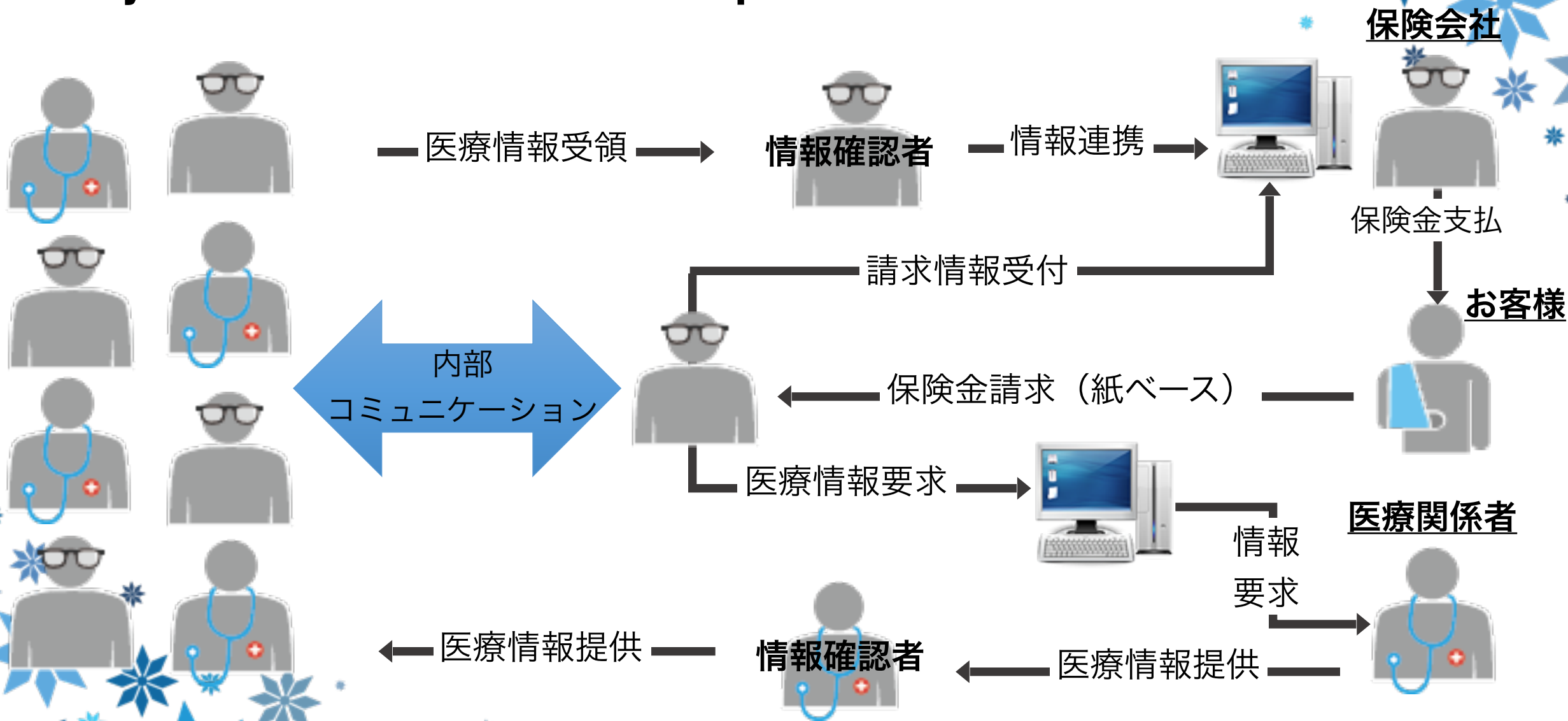
Fukuoka D.C.

2017年1月24日
東京海上日動火災保険株式会社
Planetway Corporation
福岡地域戦略推進協議会

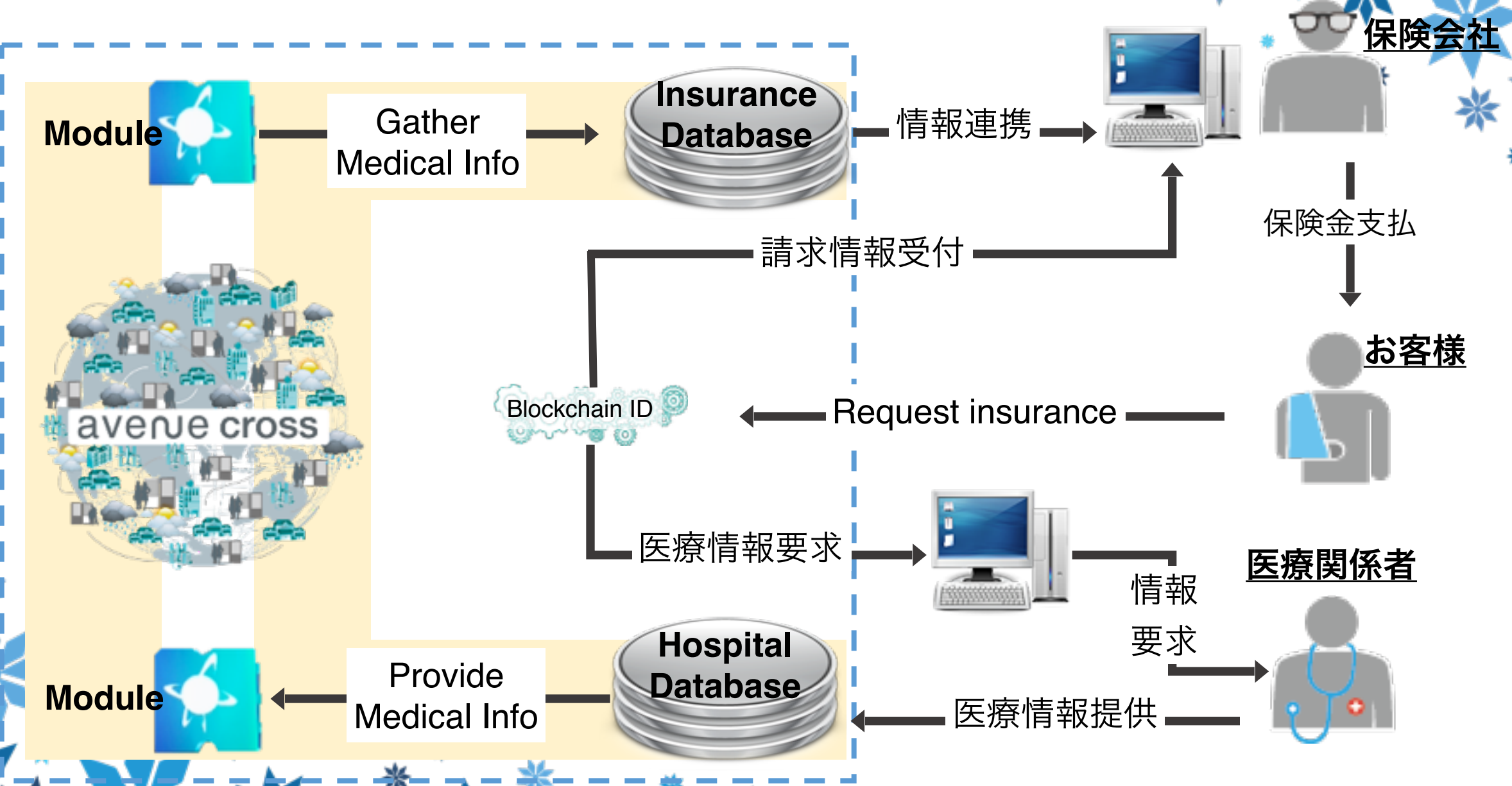
ブロックチェーン技術の活用領域拡大に向けた実証事業を開始

東京海上日動火災保険株式会社(本社:東京都千代田区、取締役社長:北沢利文、以下「東京海上日動」)は、Planetway Corporation^{*1}(本社:米国カリフォルニア州サンノゼ、CEO&Founder:平尾 憲映、以下「Planetway」)の非常にセキュリティの高いデータ連携技術を活用することで、医療機関などにおけるブロックチェーン技術の活用に向けた実証事業を福岡地域戦略推進協議会(会長:麻生 泰、以下「FDC^{*2}」)と連携して実施することといたしましたので、お知らせいたします。

Today: Accident Insurance in Japan



Future: smart contract based on sensitive data exchange





ありがとうございます!

Go and check
e-Estonia out
yourself!