



Datenpolitik Schweiz - Rahmenbedingungen für eine erfolgreiche Datenwirtschaft

André Golliez
Präsident Opendata.ch,

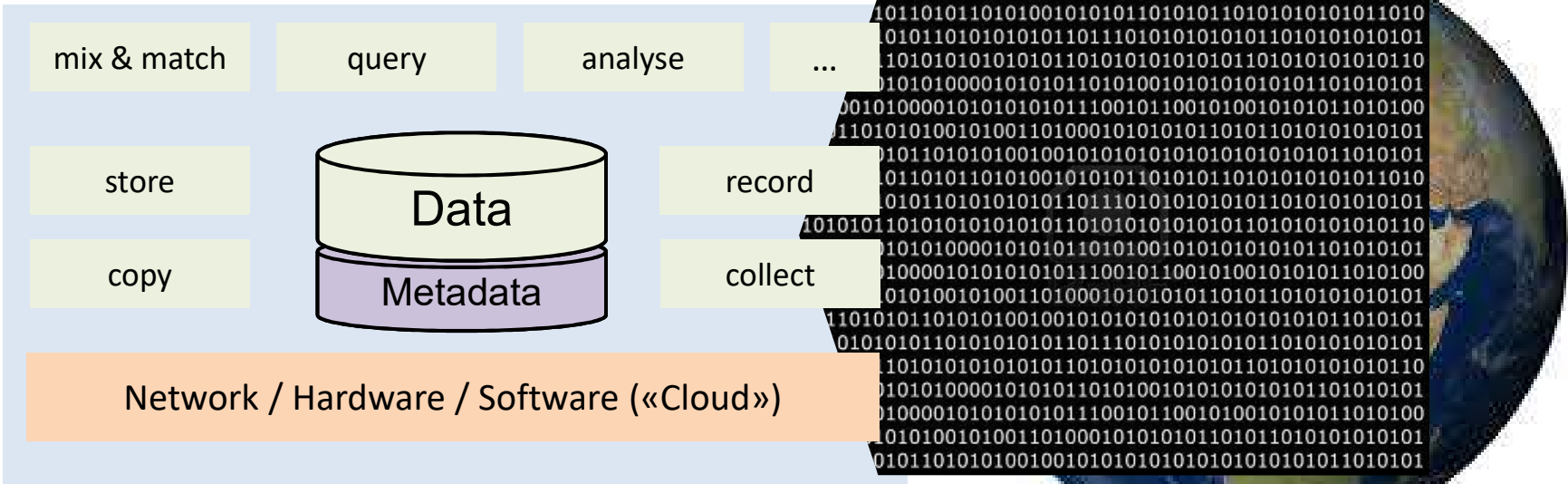
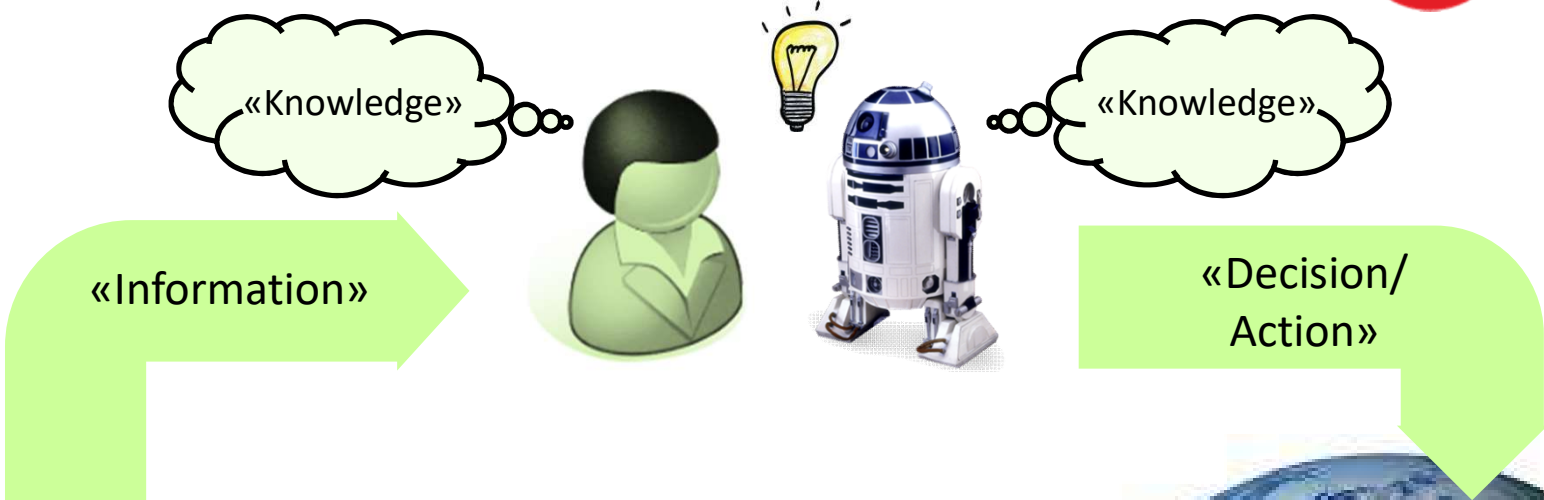
asut Generalversammlung 2017
ABB (Baden)
18. Mai 2017



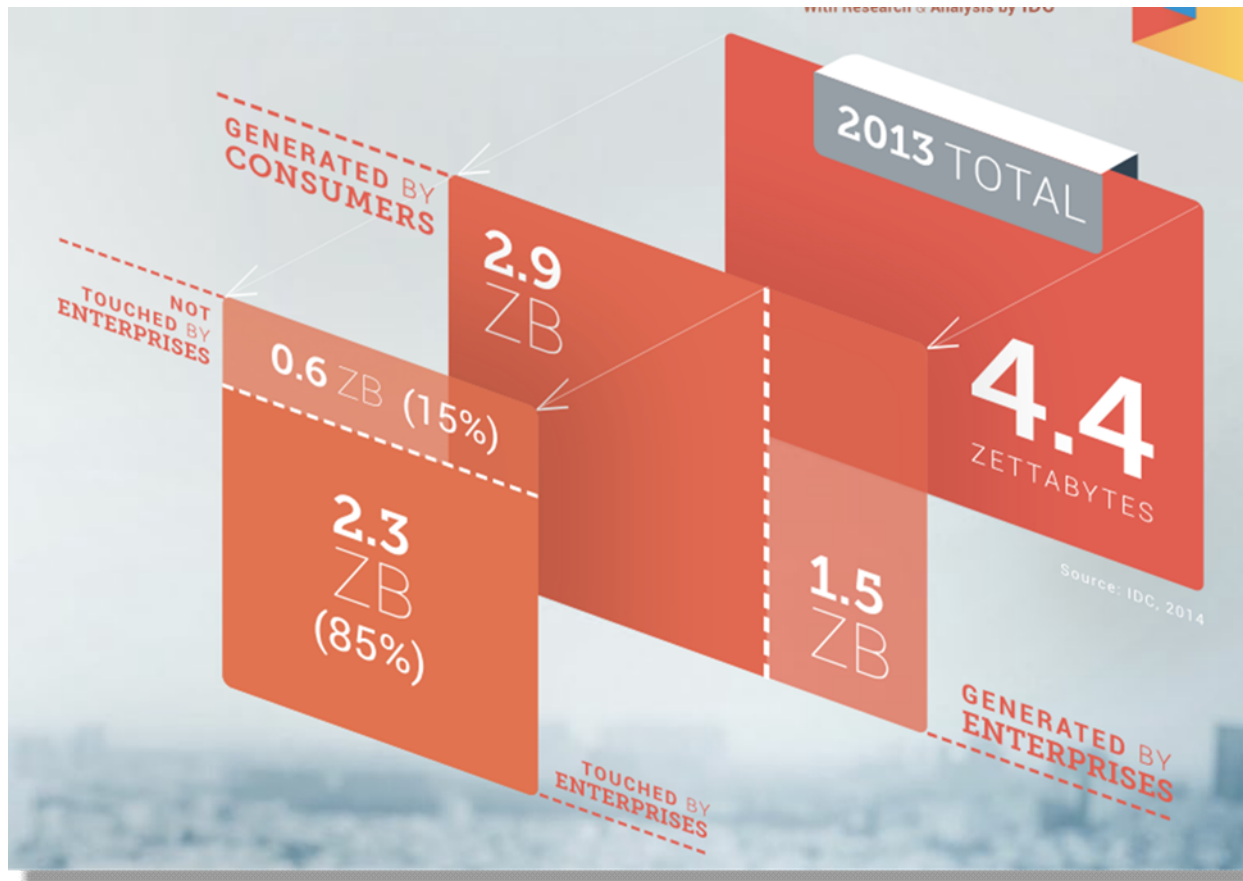
Agenda

- Digitalisierung und Daten
- Daten – eine neue Infrastruktur
- Open Data
- My Data
- Datenpolitik in der Schweiz

Digitalisierung und Daten



Wem gehört / wer kontrolliert «Big Data»?



Source: IDC's Digital Universe Study, sponsored by EMC, December 2014

OECD: «Daten sind eine neue Infrastruktur für Innovation»



STI Policy Note

October 2015

Data-driven Innovation for Growth and Well-being

What Implications for Governments and Businesses?

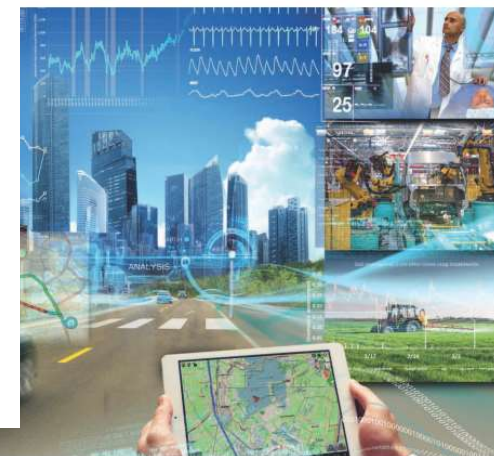
More data are being generated every week than in the last millennia. With the accelerating digitalisation of social and economic activities, the flows of data – the equivalent of around 50 000 years of DVD-quality video every single day, a figure set to considerably rise as smart devices and the Internet of Things become pervasive – are such that the implications for the economy and society are colossal.

On the positive side, they hold the promise of significantly accelerating research and the development of new products, processes, organisational methods and markets – a phenomenon known as data-driven innovation (DDI). This will result in greater productivity across the economy, as available evidence suggests that firms using DDI have raised productivity faster than non-users by around 5-10%. DDI can and is already helping address social and global challenges, including climate change and natural disasters, health and ageing populations, water, food and energy security, urbanisation, and issues of public governance.

But considerable challenges are also ahead. The growing use of data will accentuate many of today's pressing issues, like questions of privacy and security, or the impact of technology on jobs. And new concerns will arise, for example around automated decision making, data-driven discrimination, and a likely shift in power derived from a new "data divide," based on who owns, collects and analyses the data.

Data-Driven Innovation

DATA FOR GROWTH AND WELL-BEING





Infrastrukturen

Infrastructures are “the **basic equipment and structures** [...] that are needed for a country, region, or organization to **function properly**” (Frischmann, 2012)

Materielle Infrastrukturen:

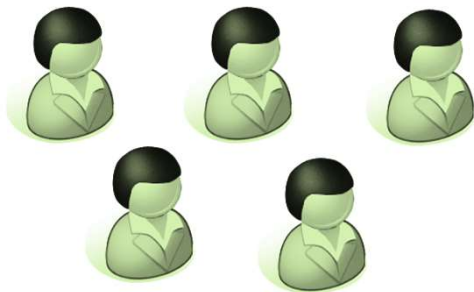
- Schienennetze
- Strassen
- Elektrizitätsnetze
- Wasserversorgung
- Internet
- ...

Immaterielle Infrastrukturen:

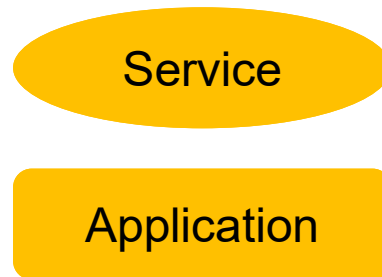
- Rechtssystem
- Ausbildungssystem
- Grundlagenforschung
- Schriftsprache
- **Daten**
- ...

Daten als Infrastruktur

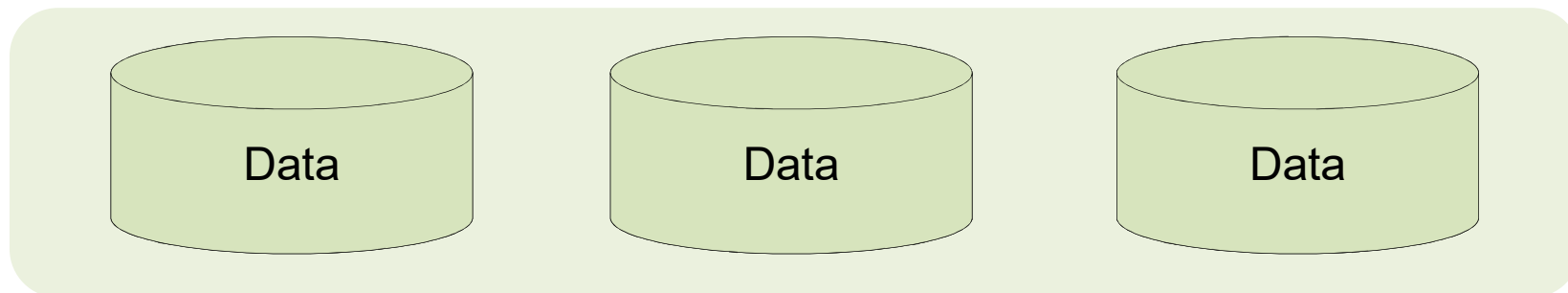
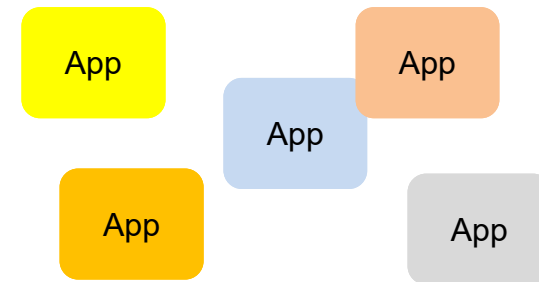
Daten können **nicht-rivalisierend** genutzt werden
(Beispiel: Leuchtturm)



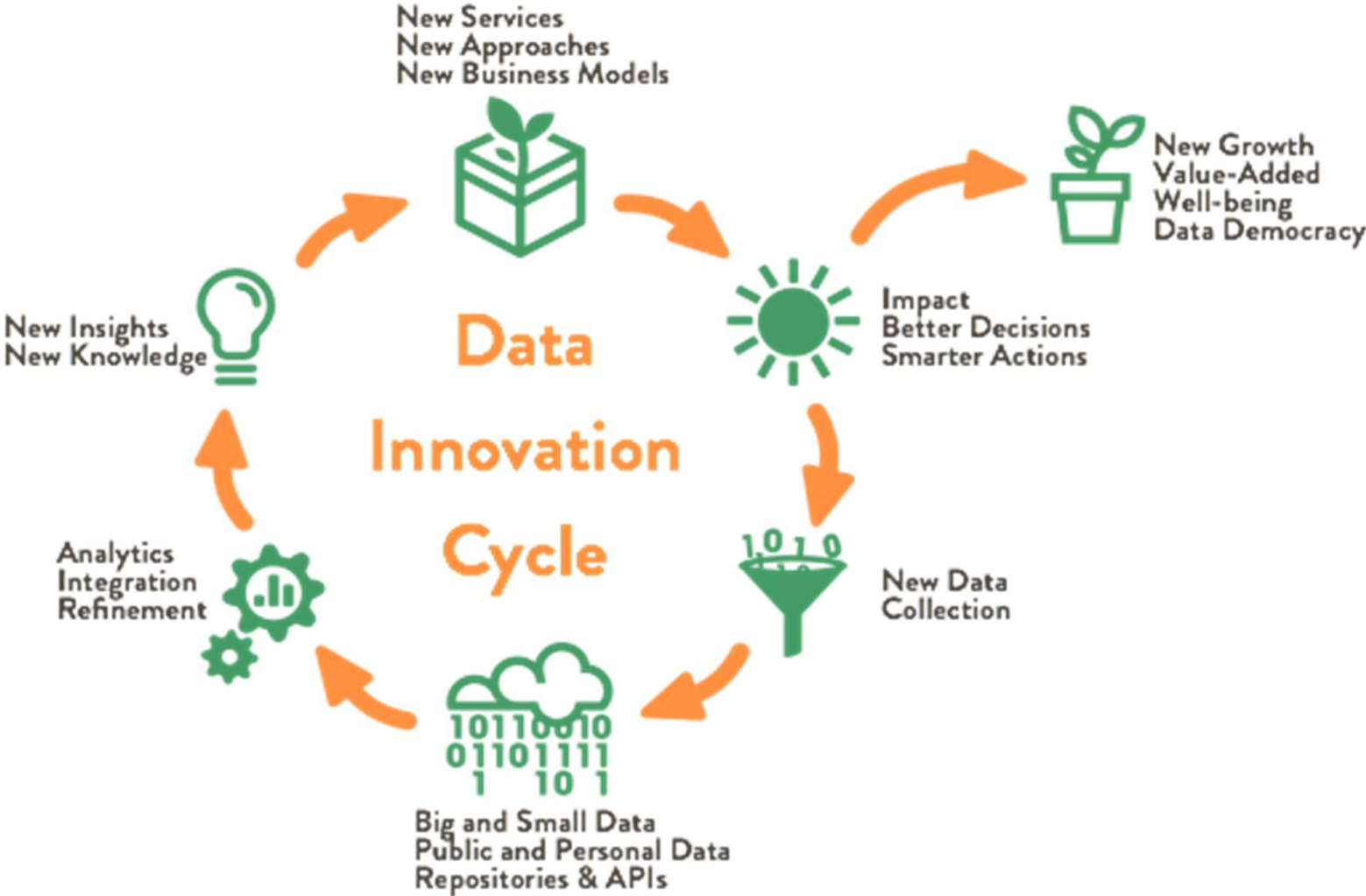
Daten sind ein **Investitionsgut**
(und nicht ein Konsumgut)



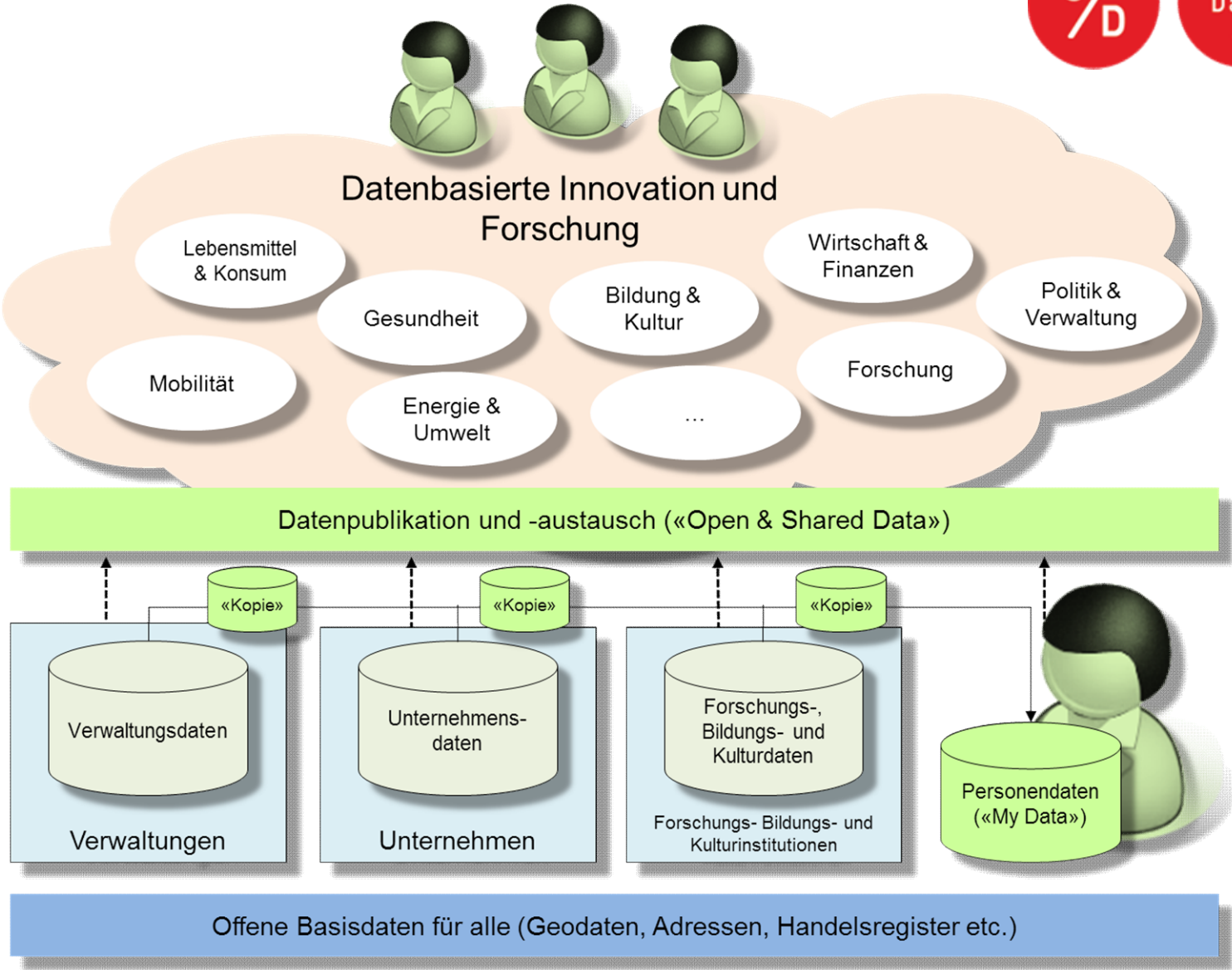
Daten können für eine **unbegrenzte Anzahl Anwendungen** genutzt werden



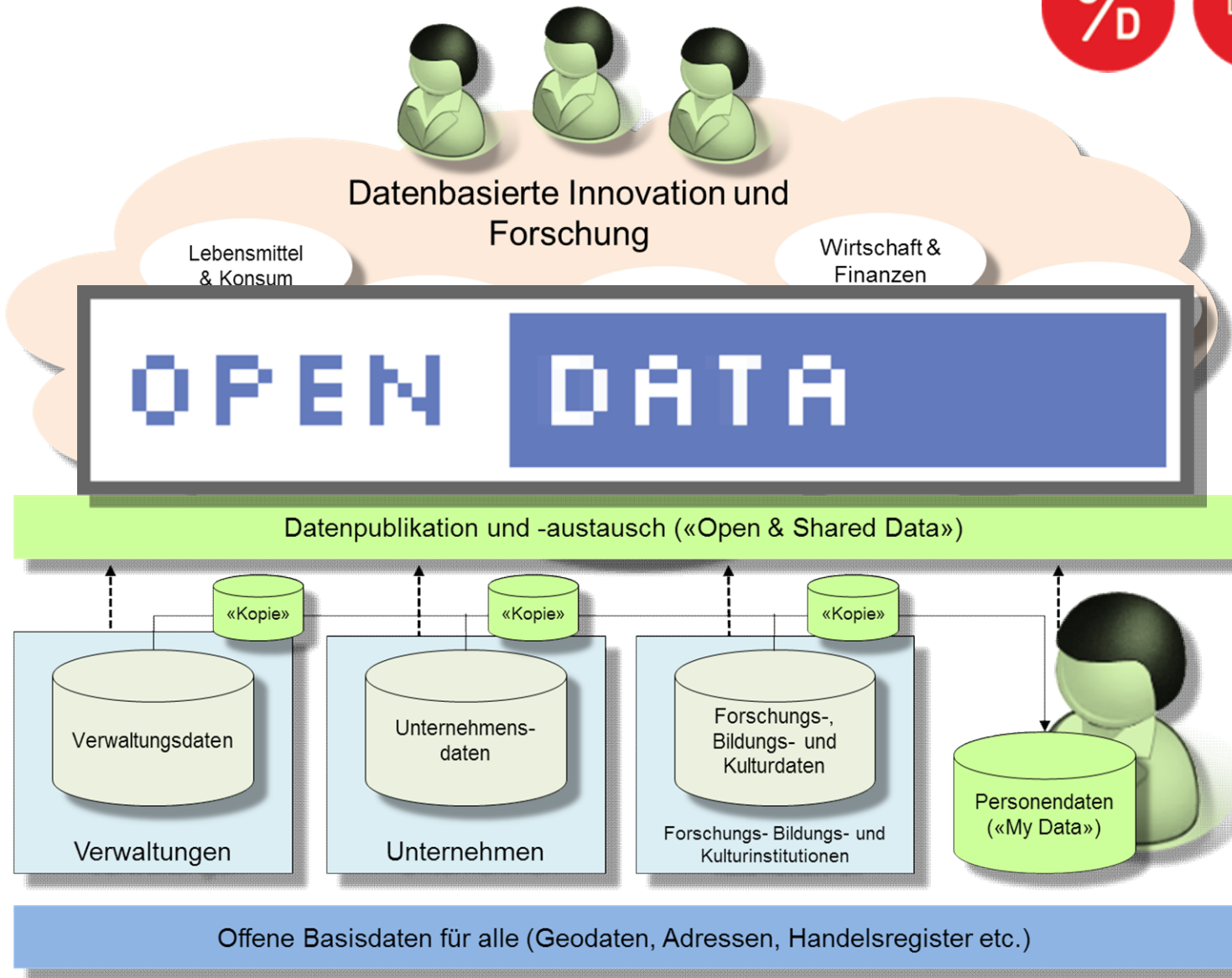
Innovation mit Daten



Dateninfrastrukturen als Basis für Innovation



Open Data



«Openness» - ein Tradition in der IT-Welt



WIKIPE
The Free Encyclopedia



OPEN KNOWLEDGE

OPEN DATA

OpenStreetMap



G8 Open Data Charter (Juni 2013): «Open Data by Default»



Principles:

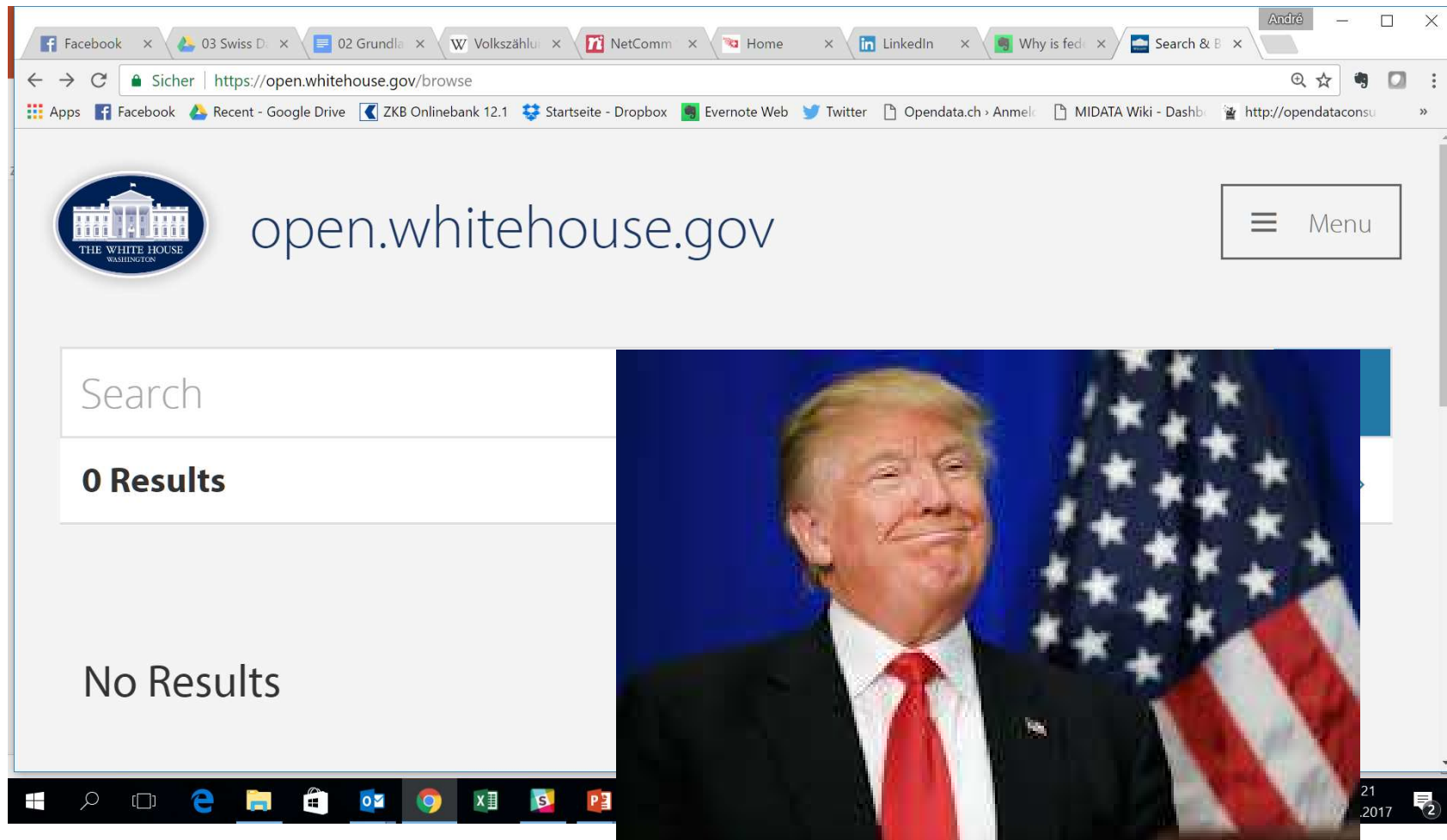
- Open Data by Default
- Quality and Quantity
- Useable by All
- Releasing Data for Improved Governance
- Releasing Data for Innovation



Data Categories (alphabetical):

- Companies
- Crime and Justice
- Earth observation
- Education
- Energy and Environment
- Finance and contracts
- Geospatial
- Global Development
- Government Accountability and Democracy
- Health
- Science and Research
- Statistics
- Social mobility and welfare
- Transport and Infrastructure

Open Government 2017?...

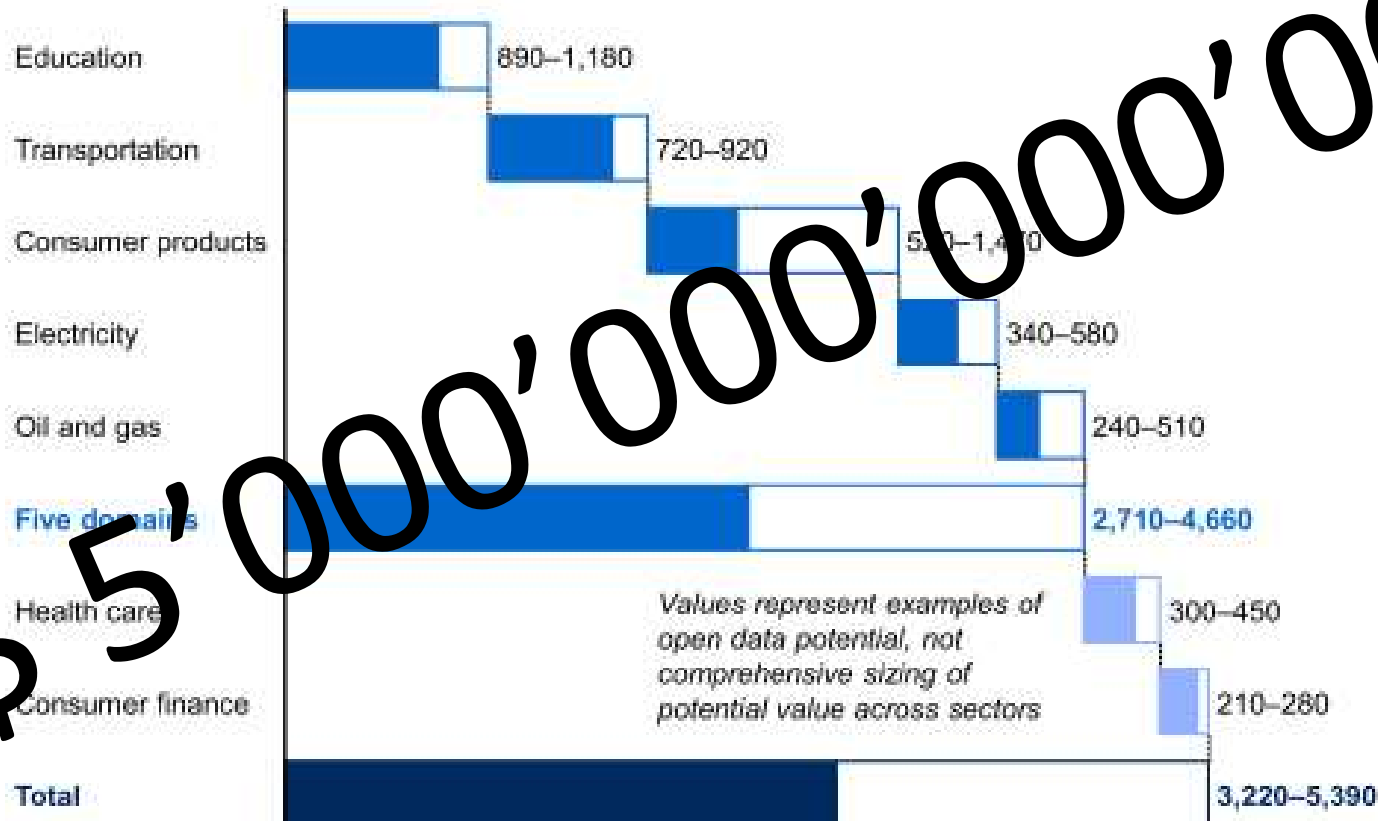


McKinsey (2013): Economic Value of Open Data



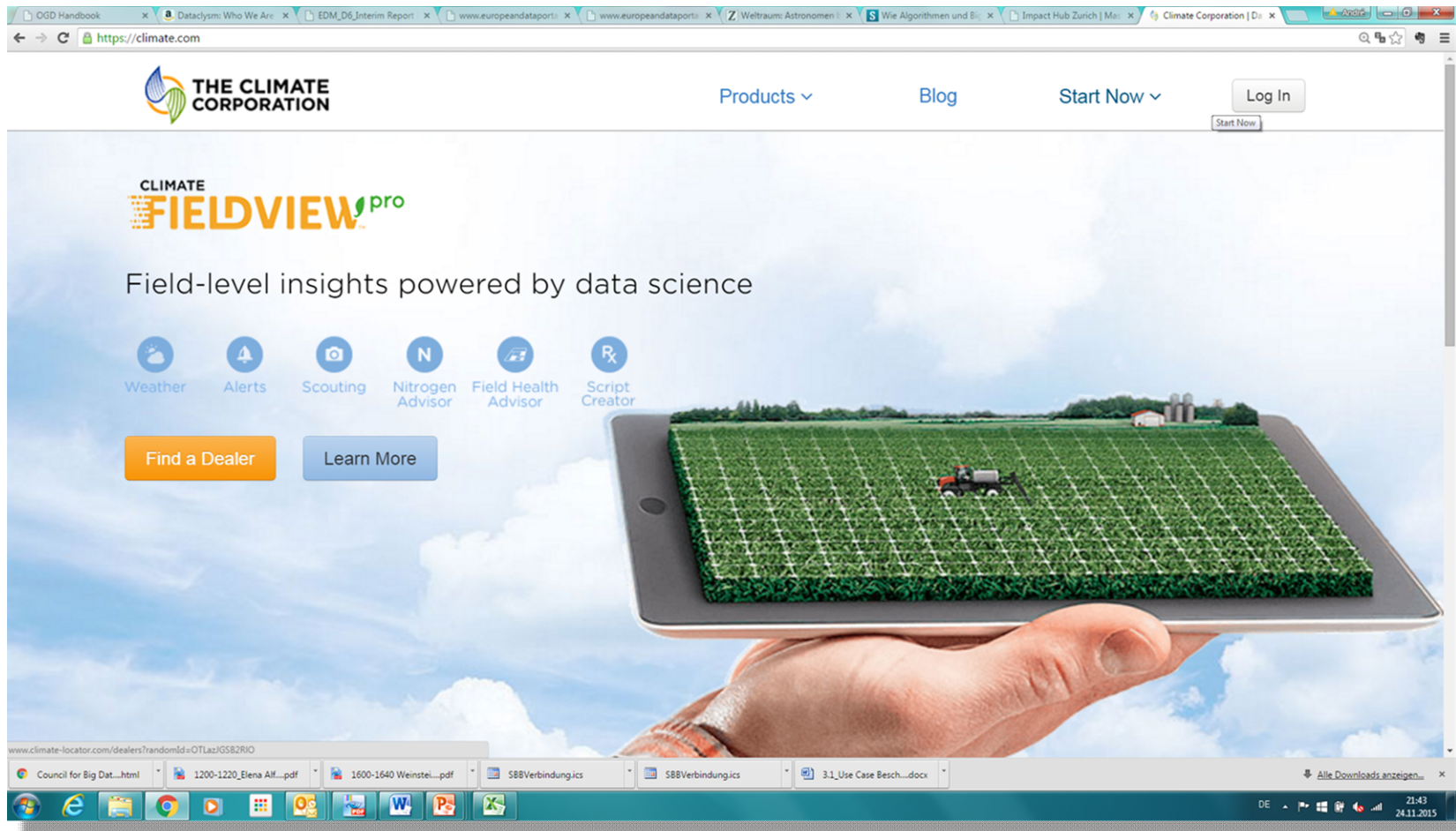
Open data can help unlock \$3.2 trillion to \$5.4 trillion in economic value per year across seven "domains"

\$ billion

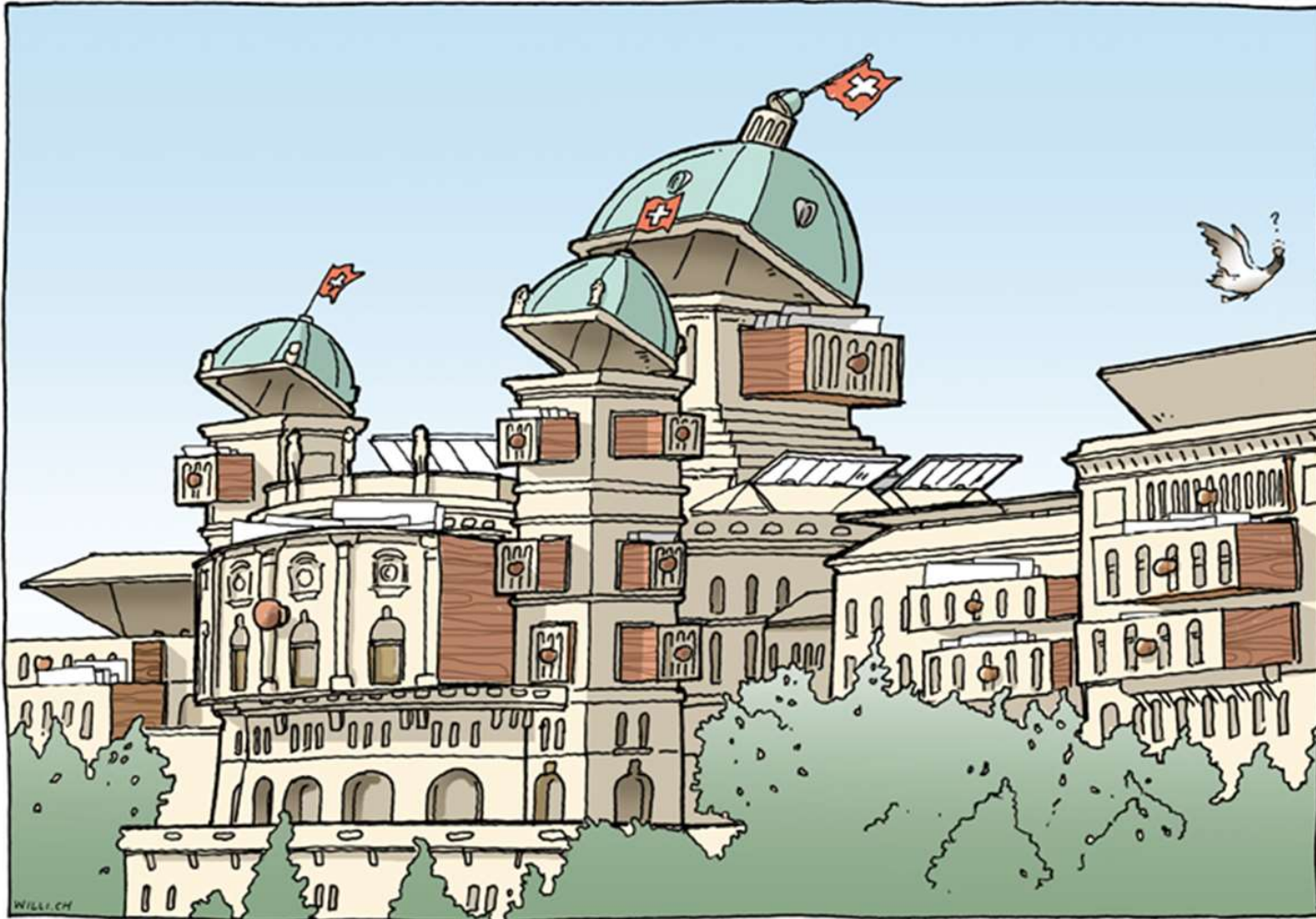


\$5,000,000,000,000

Open Data Showcase #1: climate.com



Open Government Data in der Schweiz



ParlamentarierInnen für Open Data



Balthasar Glättli (GP)



Edith Graf-Litscher (SP)



Franz Grüter (SVP)



Kathy Riklin (CVP)



Thomas Weibel (GLP)

Open Government Data

A screenshot of a web browser displaying the opendata.swiss website. The browser's address bar shows 'https://opendata.swiss/de/'. The website header includes the 'opendata.swiss' logo and navigation links for 'Daten', 'Organisationen', 'Anwendungen', and 'Über das Portal'. A large teal banner features a map of Switzerland and the text '2'128 Datensätze' (2,128 datasets). A search bar is visible with the placeholder text 'Datensätze suchen...'. On the left side, a document titled 'Open Government Data-Strategie Schweiz 2014 – 2018' is displayed, with a table of versions below it.

Versionen	
Version 0.1 (15.1.2014)	Version für die erste Lesung mit Fachausschuss (20.1.2014) und Projektausschuss des Projektes OGD Schweiz (22.1.2014)
Version 0.2 (31.1.2014)	Version für die Anhörung interessierter Kreise
Version 0.3 (TT.2.2014)	Version für Ämterkonsultation



Open Transport Data

A screenshot of a web browser displaying the 'Open-Data-Plattform öV Schweiz' website. The browser's address bar shows 'https://opentransportdata.swiss/de/'. The page features a blue header with navigation links 'Einloggen' and 'Registrieren', and language options 'DE', 'EN', 'FR', 'IT'. Below the header is a search bar and a row of icons representing different transport modes: bus, tram, train, boat, and cable car. A yellow navigation bar contains links for 'Data', 'Cookbook', 'FAQ', and 'Showcases'. The main content area has a heading 'Willkommen auf der Open-Data-Plattform öV Schweiz' and a paragraph of introductory text. The Windows taskbar at the bottom shows the date '01.03.2017' and time '09:25'.

transport.opendata.ch

Transport

Swiss publ

Introduct

The Transp

data, whet

transport w

playground

If you are k

data for Sw

The source

contact wri

Exam

Facebook x 03 Swiss D... x 02 Grundl... x Volkszähl... x NetComm... x Home x LinkedIn x Why is fed... x Open-Data x André

Sicher | https://opentransportdata.swiss/de/

Apps Facebook Recent - Google Drive ZKB Onlinebank 12.1 Startseite - Dropbox Evernote Web Twitter Opendata.ch Anmel MIDATA Wiki - Dashb http://opendataconsu

Einloggen Registrieren DE EN FR IT

Search

Open-Data-Plattform öV Schweiz

Data Cookbook FAQ Showcases

Willkommen auf der Open-Data-Plattform öV Schweiz

opentransportdata.swiss ist die Plattform für Kundeninformationsdaten des öffentlichen Verkehrs der Schweiz. Hier können Sie öV Daten kostenlos beziehen und erhalten Zugriff auf spezifische öV-Services. Bitte beachten Sie, dass die publizierten Daten für Entwickler aufbereitet sind. Eine lesbare Version des Fahrplans finden Sie unter [diesem Link](#).

Data News

Council for Big Dat...html 1200-1220_Elena All...pdf 1600-1640 Wei

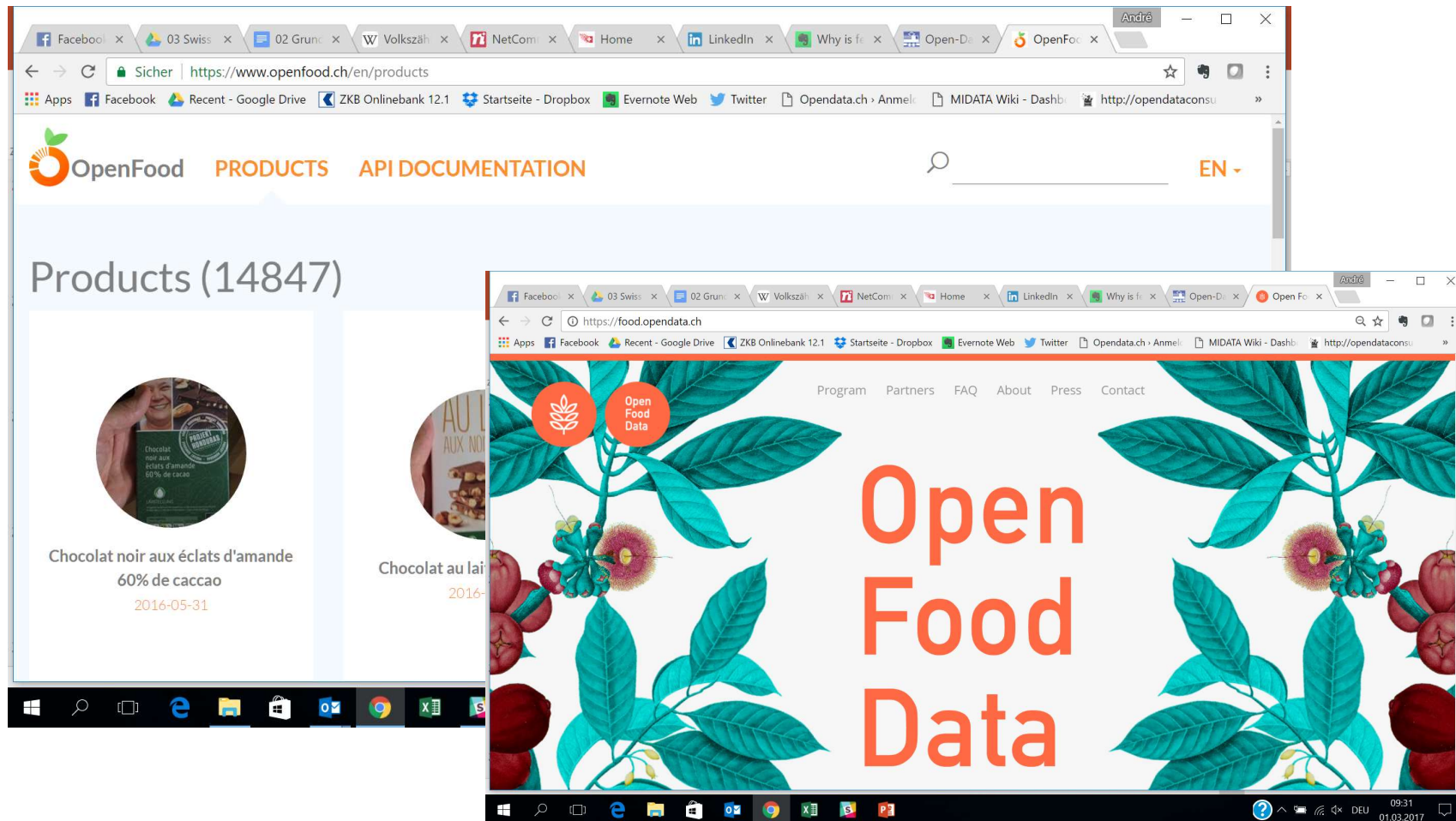
09:25 01.03.2017

Open Data Show Case Schweiz #1: Ubique (Viadi)

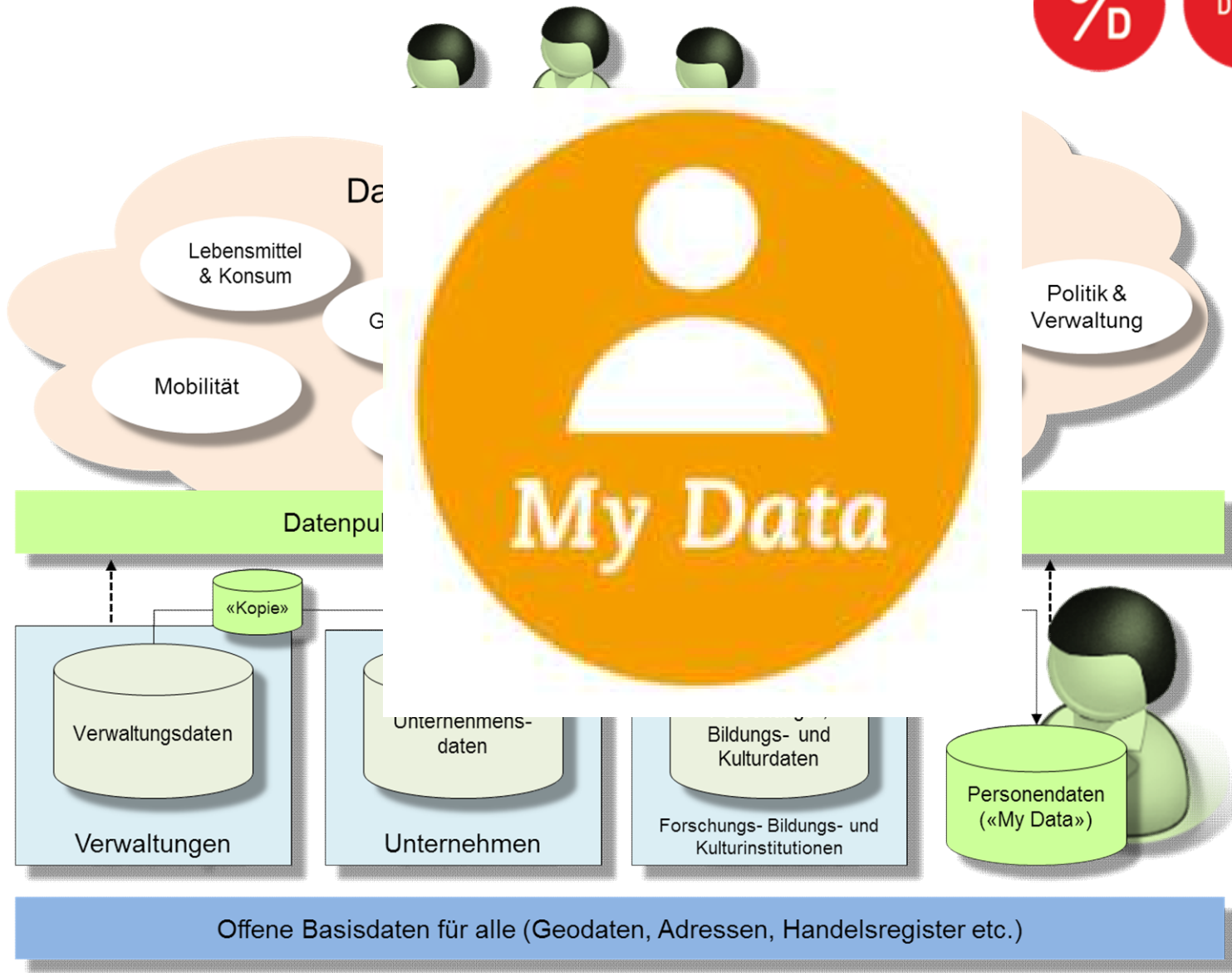


A screenshot of a web browser displaying the Ubique website. The browser's address bar shows the URL 'https://www.ubique.ch/projects/viadi/'. The website header features the 'ubique Apps & Technology' logo and navigation links for 'Home', 'Projekte', 'Services', 'Team', 'Kontakt', 'Blog', and 'Jobs'. The main content area is titled 'Viadi' and describes it as 'Die schnelle Fahrplan-App'. Below the title is a smartphone displaying the app's interface with a grid of location cards: 'Zu Hause', 'Landquart', 'Luzern', and 'Fiesch'. To the right of the smartphone, the project details are listed: 'Auftraggeber: Ubique - Apps & Technology', 'Projektumfang: Konzeption, Client-Programmierung (iOS, Android), Usability Testing'. The browser's taskbar at the bottom shows various application icons and the system clock indicating 13:28 on 18.05.2017.

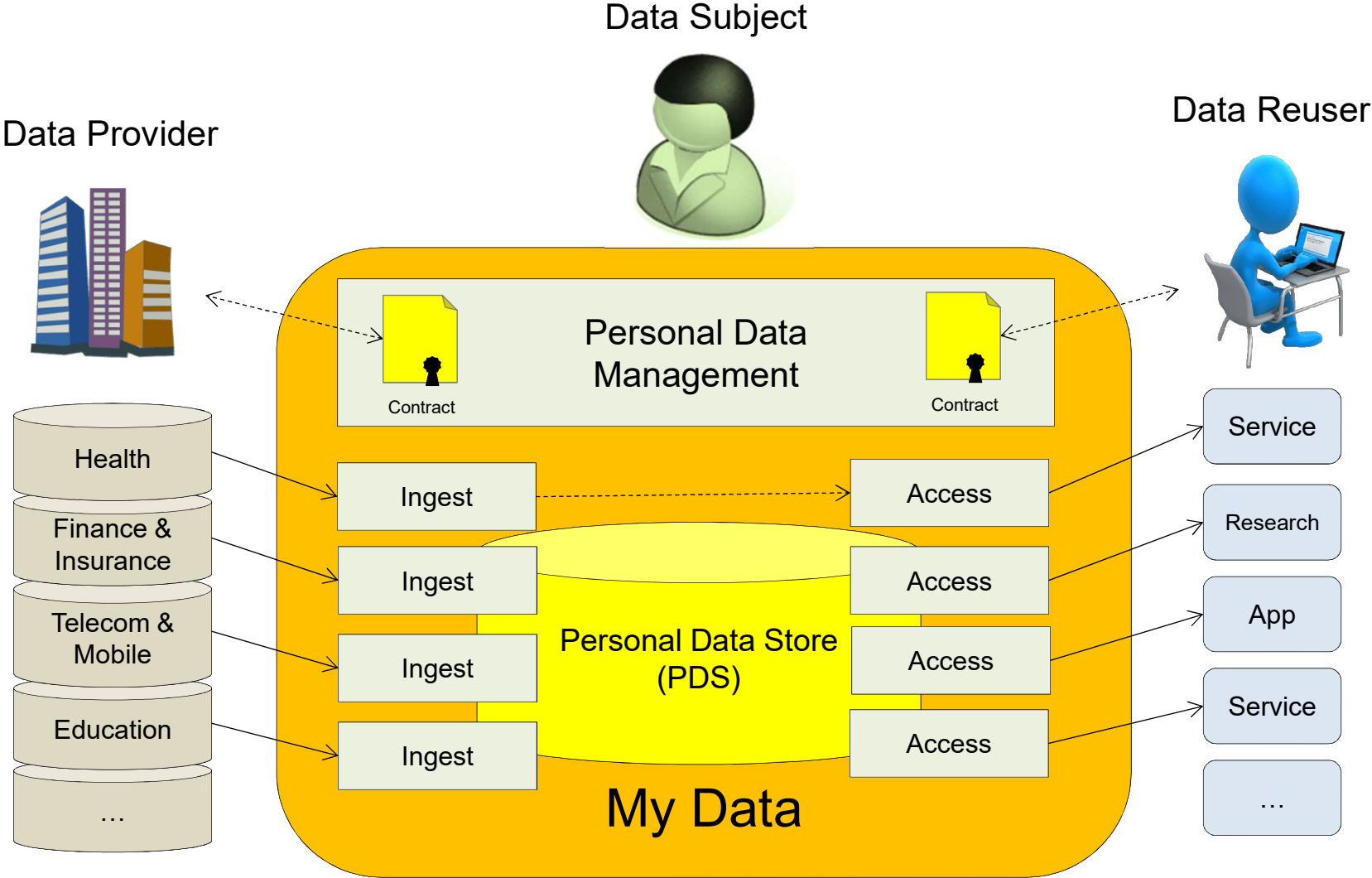
Open Food Data



My Data



Die My Data - Vision



EU Datenschutz-Grundverordnung: Recht auf Datenübertragbarkeit (Art. 20)



«**Die betroffene Person** hat das **Recht**, die sie betreffenden **personenbezogenen Daten**, die sie einem Verantwortlichen bereitgestellt hat, in einem strukturierten, gängigen und maschinenlesbaren Format zu **erhalten**, und sie hat das Recht, diese Daten einem anderen Verantwortlichen ohne Behinderung durch den Verantwortlichen, dem die personenbezogenen Daten bereitgestellt wurden, zu **übermitteln...»**

My Data Showcase #1: gocompare.com (UK)



The screenshot shows the website www.gocompare.com/money/midata/. The page has a green header with the **gocompare.com** logo and a 'Sign In' button. A navigation menu includes links for Insurance, Money, Motoring, Travel, Energy, Phone & internet, Business, and Covered mag. A search bar is located on the right of the menu.

The main content area features the heading **Midata - making comparison better** and the subtext: "Midata empowers personal finance comparison choices by giving consumers easier access to their data and helping them use it to choose the right deal." Below this is a banner image with the text **MIDATA MAKING COMPARISON BETTER** and stacks of gold coins.

A sidebar on the right titled **Useful links** contains the following items:

- Current accounts
- Credit cards
- Credit reports

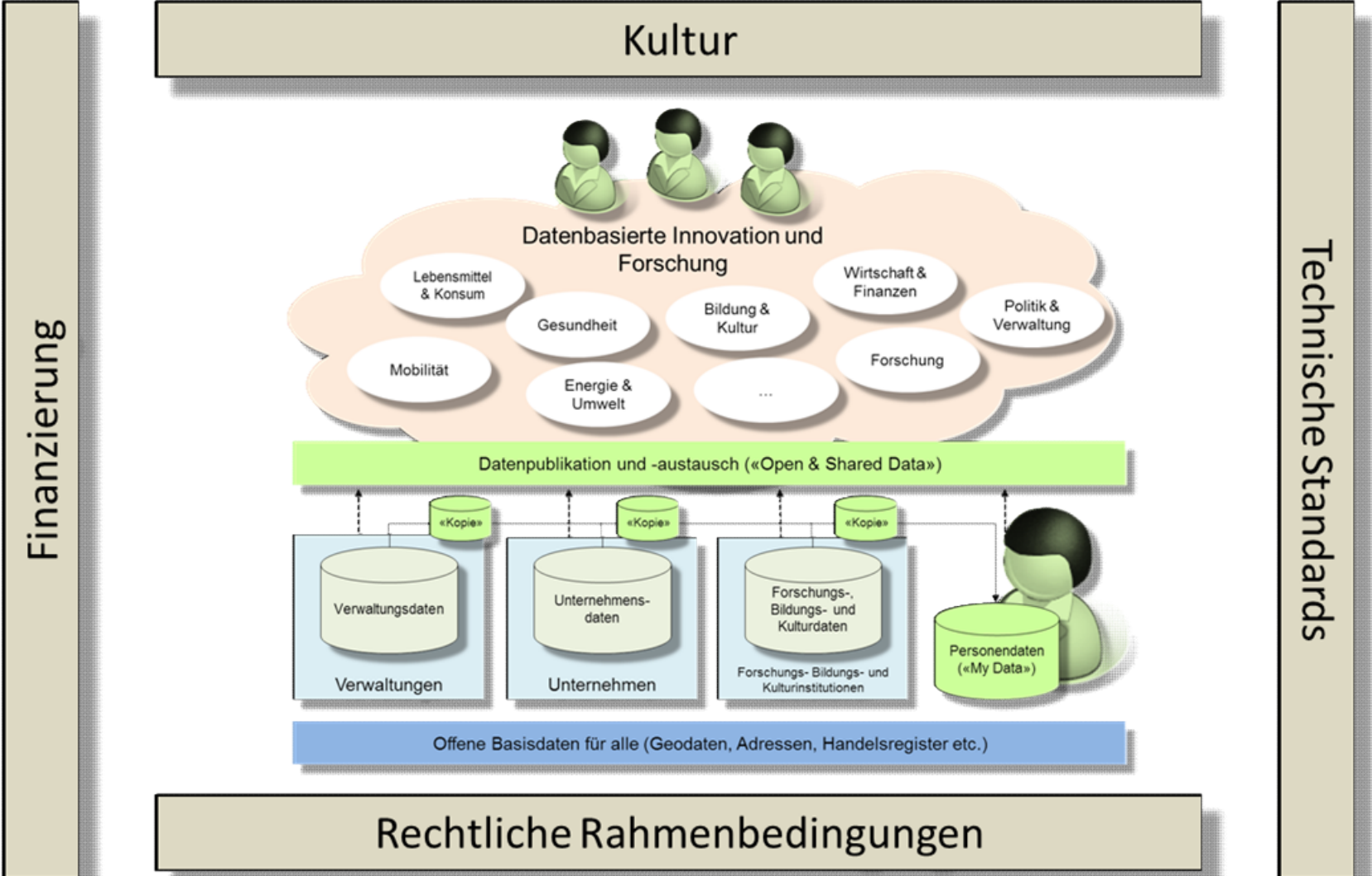
At the bottom of the page, a cookie consent banner reads: "By using the Gocompare.com website you agree to our use of cookies as described in our cookie policy. [OK](#) [Learn more](#) »".

My Data Showcase Schweiz #1: Datengenossenschaft MIDATA.coop



The image displays two screenshots of the MIDATA.coop website. Both screenshots show the same content: a navigation menu (Home, About, Projects, People, Publications, Contact), a blue header with the text "MIDATA.coop MY DATA - OUR HEALTH", and a central flow diagram. The diagram is titled "OUR HEALTH" and illustrates the data flow: "SOURCES" (represented by three blue squares) feed into "MIDATA" (represented by a grid of 12 person icons). An arrow labeled "YOU DECIDE" points from the "MIDATA" grid to a circle labeled "RESEARCH". An arrow then points from "RESEARCH" to a black box labeled "NEW TREATMENTS". The browser's address bar shows "https://midata.coop". The bottom screenshot also shows a Windows taskbar with various application icons and a system tray with the date "23.02.2016" and time "10:52".

Handlungsfelder der Datenpolitik

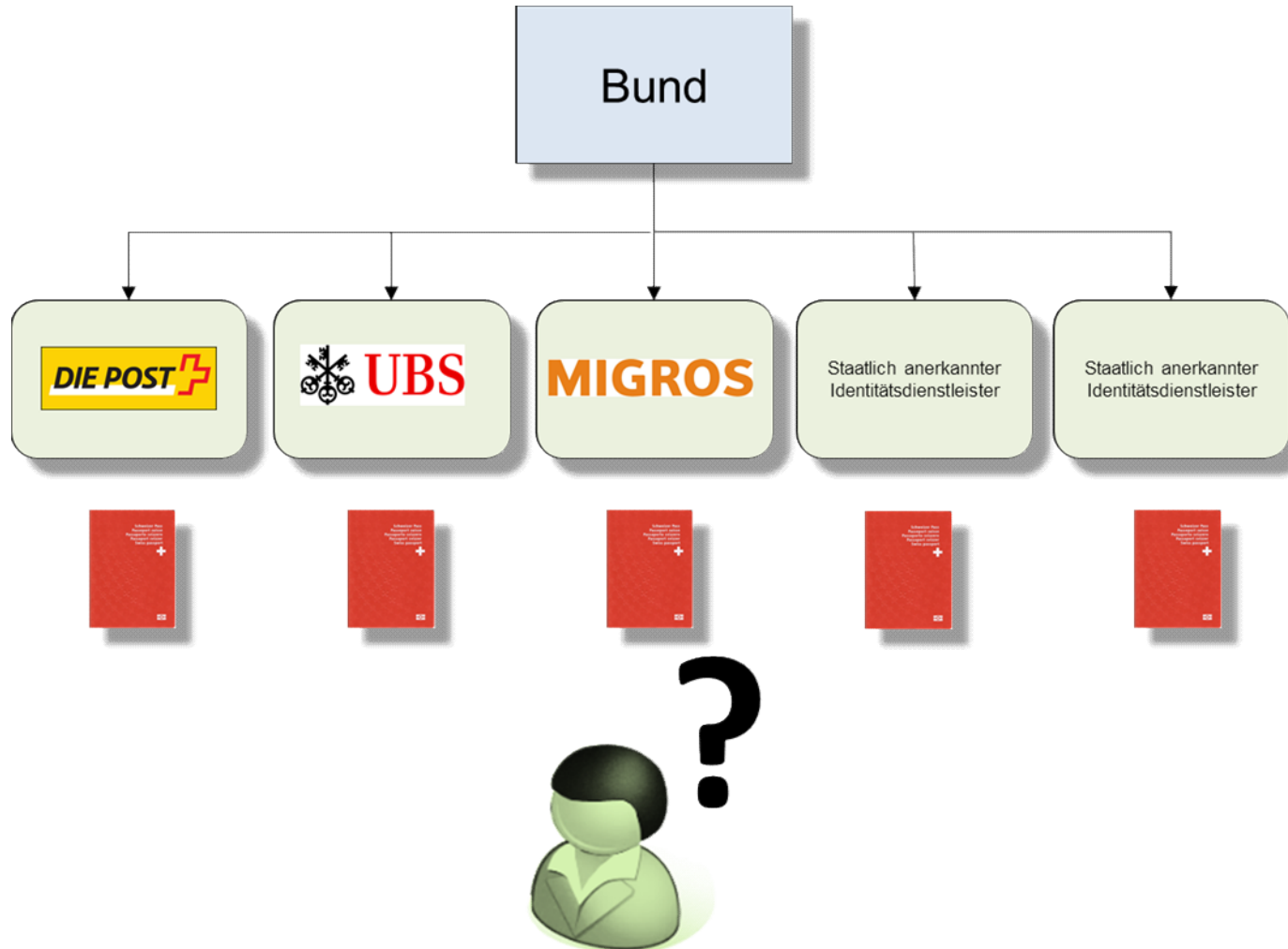


Datenpolitische Agenda Schweiz 2017 (nur Bund, nicht abschliessend)

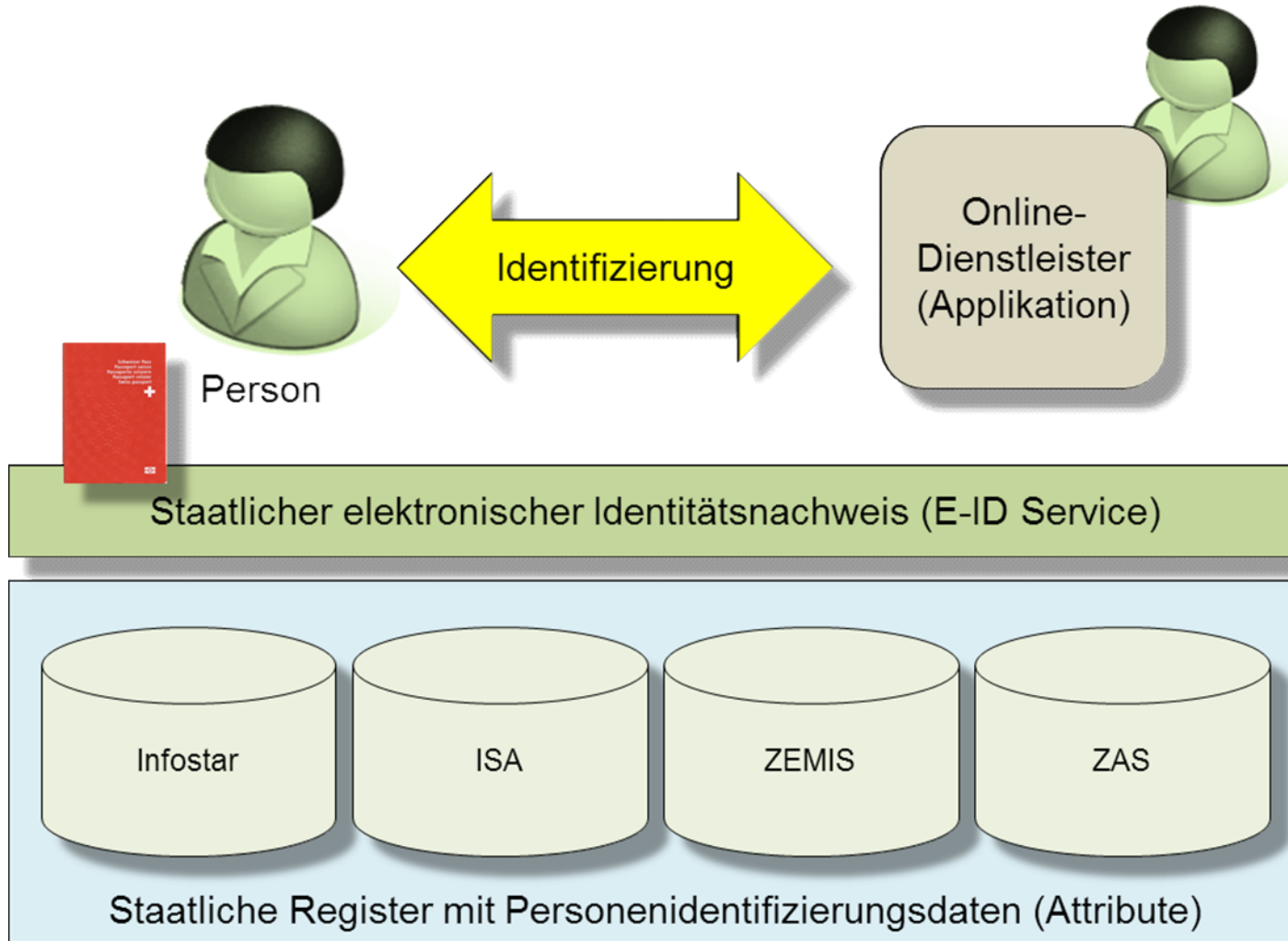


- Bundesgesetz über anerkannte elektronische Identifizierungseinheiten (E-ID-Gesetz)
(Vernehmlassung läuft bis Ende Mai 2017)
- Totalrevision Datenschutzgesetz DSG
(Vernehmlassung läuft bis Anfang April 2017)
- Revision des Beschaffungsrechts
(Botschaft des Bundesrates am 15. Februar 2017 publiziert)
- «Open Content SRG» (Motion der Kommission Verkehr und Fernmeldewesen des Nationalrates KVF-N eingereicht)
- Totalrevision Urheberrechtsgesetz URG
(Vernehmlassung abgeschlossen)
- Revision Bundesgesetz zum Öffentlichkeitsprinzip in der Verwaltung BGÖ (Bericht pendent)
- ...

Staatlicher elektronischer Identitätsnachweis («Marktlösung»)



Staatlicher elektronischer Identitätsnachweis («Staatslösung»)



Swiss Data Alliance – Prinzipien für eine zukunftsorientierte Datenpolitik in der Schweiz



1. Daten sind eine Infrastruktur-Ressource, von welcher alle profitieren können.
2. Offen zugängliche Daten erzeugen einen maximalen Nutzen für Volkswirtschaft und Gesellschaft.
3. Jedes Individuum hat das Recht auf eine digitale Kopie der Daten zu seiner Person.
4. Personendaten sind vor übermässigem staatlichem Zugriff zu schützen.
5. Unpersönliche Daten, die im Rahmen von staatlichen Aufgaben anfallen und von der öffentlichen Hand finanziert werden, sollen offen zugänglich sein.

Vielen Dank für die Aufmerksamkeit!

