

# Digital and Data Strategy in SANTE

# A common Digital and Data Master Plan

- Scope
  - Digital activities
    - Scope: Public health & Food Sustainability
    - IT systems / evolution / operation of IT systems for SANTE / MS / Industry and general public needs
    - Rationalisation / Modernisation
    - Digital Strategy
  - Data Activities
    - Data Strategy

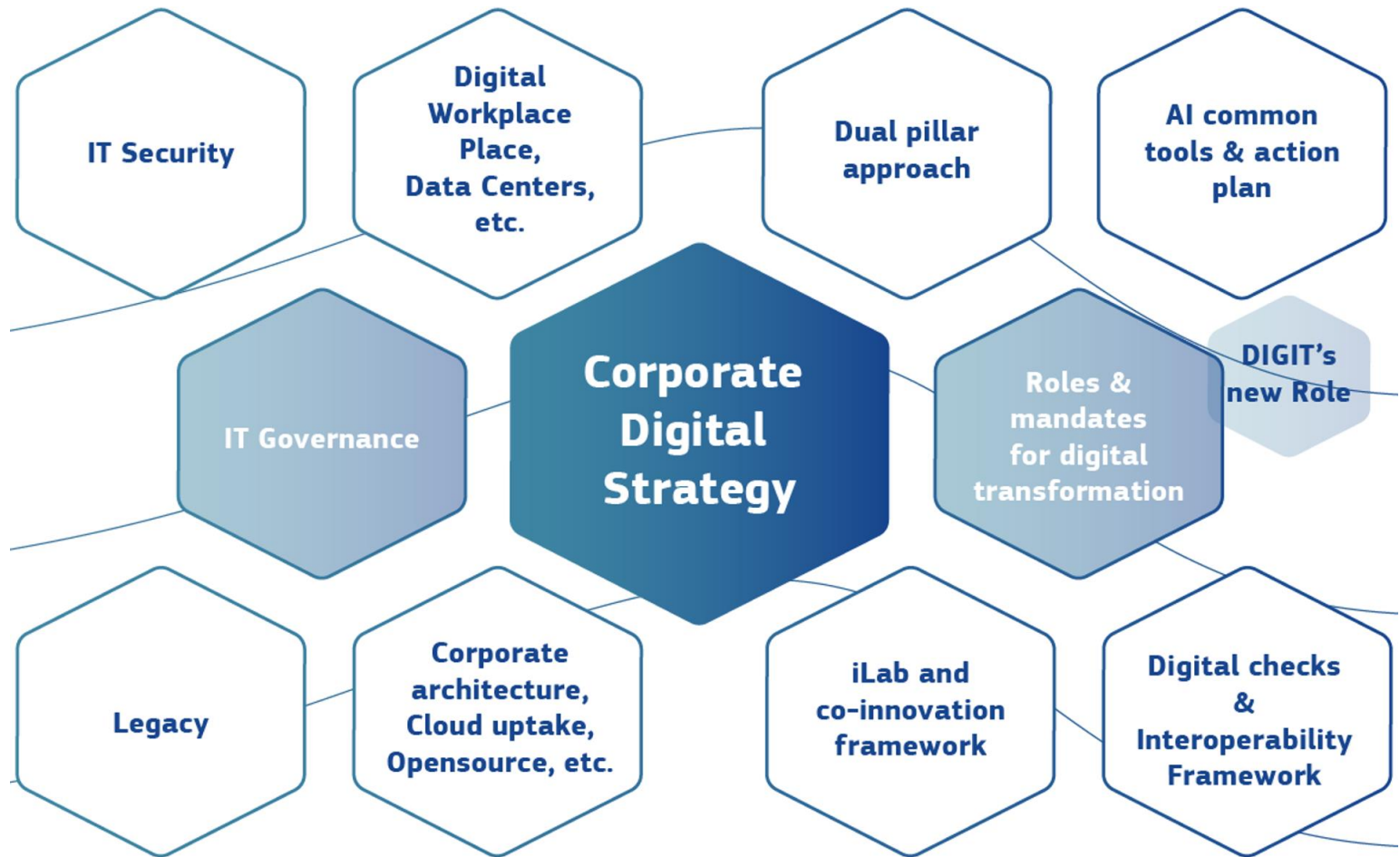
# Planning

- Annual basis (end of year X-1 for year X)
  - New policy needs
  - Operate, maintain and evolve key systems already in place
  - Followed per policy subject
  - Funded by Single Market Programme (SMP)

# Digital Strategy

# Digital Strategy

Addressed by different aspects of digital work to deliver modern safe solution in line with technological evolution and stakeholders' expectations

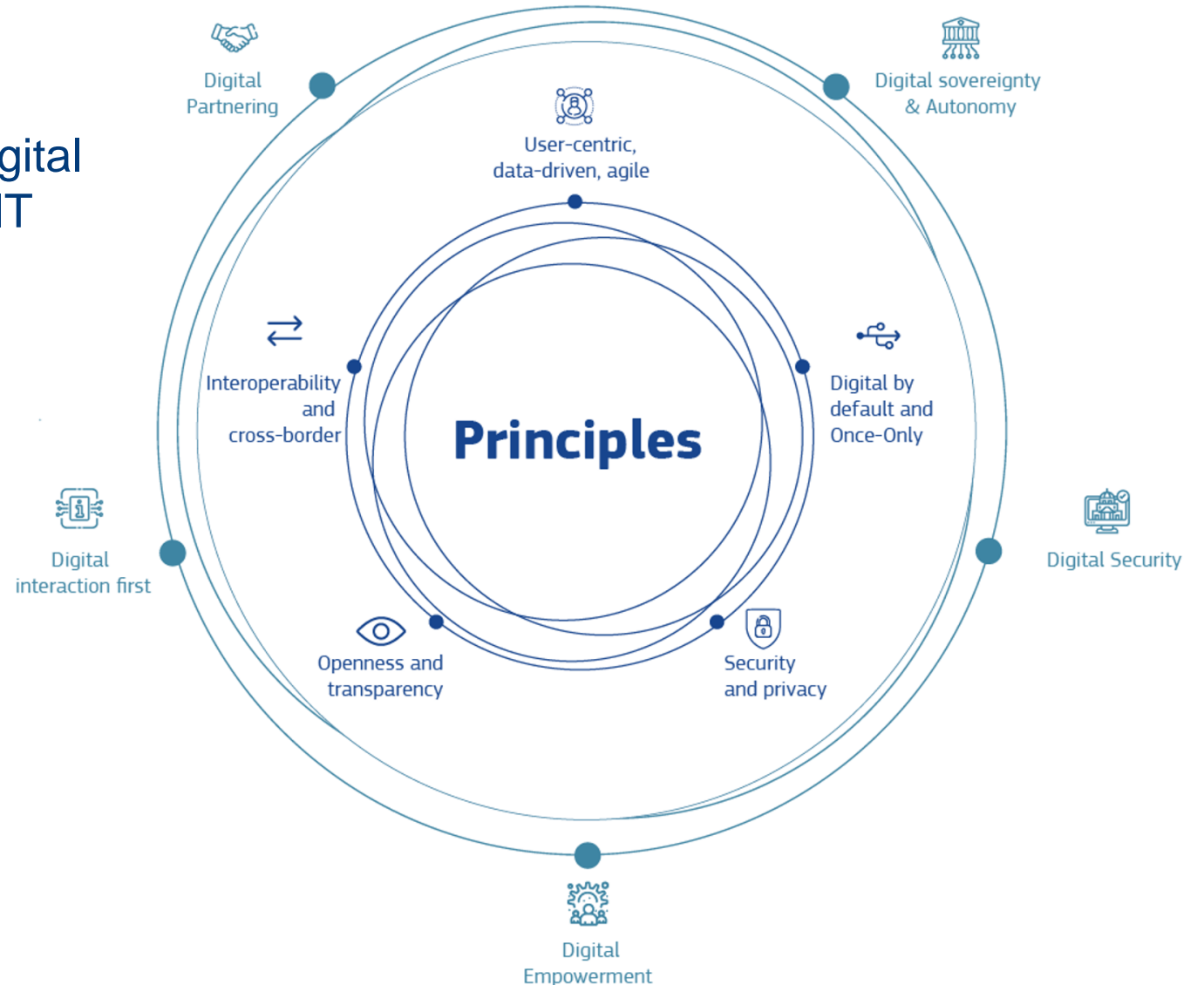


# Digital Strategy Principles

Governing principles for all new Digital Activities, design and evolution of IT systems delivering

- Interoperable
- Modern
- Sustainable
- Secure
- Open

solutions



# Data Strategy

# EC Data Strategy - Transform the Commission into a data driven organisation

- Enhancing public administration functioning for informed/evidence-based decision making, reporting and monitoring of policy and societal phenomena
- Enhance relevancy, trustworthiness, timing and quality of data
- Enable capabilities to extract insights from data
- Create and implement data architecture
- Reinforce and improve data governance and management
- Define how data ought to be used
- Further exploit and combine data to deliver value for achieving our mission
- Establish data ecosystem fostering sharing, combining and reuse of data

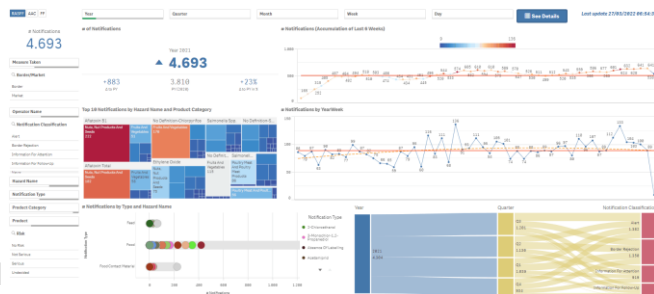
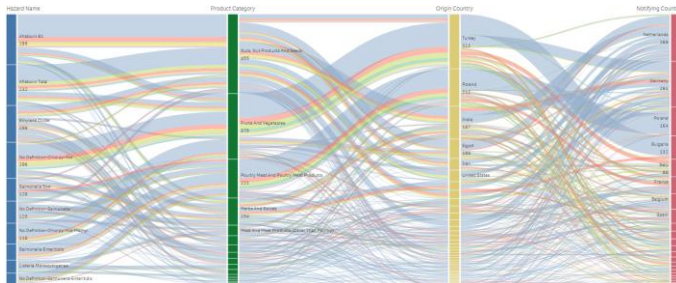
# Data Strategy in practice

- Data Governance: via Digital Data Master Plan
- Process mapping to define data needs and technologies to address the needs
  - Data collection / data analytics / streamline with digital processes
- Data management
  - Secure and easy data collection/creation, acquisition, access, sharing, use, processing, preservation, deletion, quality, protection
- Data analytics / insights
  - Pilot and put in place tools and services to analyse and visualize data within SANTE systems and also data emanating from MS

# Data Initiatives

# Data Intelligence

## From Data Analysis and insights ...

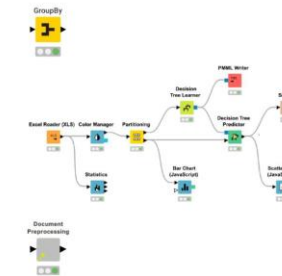


... to Data Science ...

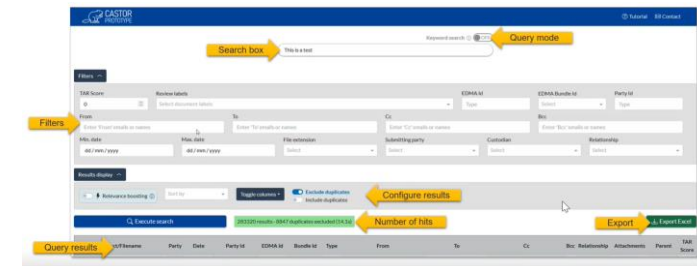
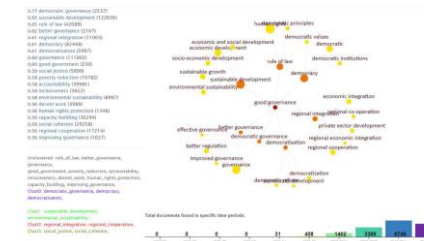
**Nodes**  
perform tasks on data

**Workflows**  
combine nodes to model data flow

**Components**  
encapsulate complexity & expertise



## and Artificial Intelligence



# Open Data

# DG SANTE Open Data Initiative

- Open-up food safety (and health) data for free use by Member States authorities, business, citizens, scientific and academic communities
  - Centralised approach for publishing and accessing the data through **data.europa.eu**
  - Introduce new and on-going updates of high-value data sets in the domain of health and food safety
  - Publish reference data including (controlled) vocabularies / taxonomies / catalogues ... (allowing linking and cross referencing across datasets)
  - Enable datasets in multiple machine and human readable formats
  - Enhanced features for datasets like linked data, data graphs and visualization

# Open Data in europa.eu

**data.europa.eu** - aggregated and disseminated EU open data by the EU institutions, agencies and bodies as well as open data from national, regional and local levels

**op.europa.eu – EU Vocabularies** - controlled vocabularies, models, standards, online tools

The screenshot shows the data.europa.eu website. At the top, there is a search bar with the text "Search" and a "Datasets" dropdown menu. Below the search bar, there are six statistics displayed in a grid:

1 544 726	176	36
<b>Datasets</b>	<b>Catalogues</b>	<b>Countries</b>
European public sector datasets	Datasets grouped by catalogue	Explore datasets by country
<b>1 319</b>	<b>180</b>	<b>37</b>
<b>News pieces</b>	<b>Data stories</b>	<b>Courses</b>
News related to open data	Inspiring stories about open data	Learning material on open data

Below the statistics, there is a navigation bar with the logo of the Publications Office of the European Union and links to "English (en)" and "Sign in". The main navigation bar includes links to "Law", "European data", "Public procurement", "EU Publications", "Research & Innovation", and "EU Whoiswho". The "EU Vocabularies" section is highlighted, with a sub-navigation bar containing "Home", "Controlled vocabularies", "Models", "Business collections", "Online tools", "Releases", and "Help".

The "Search our catalogue" section features a search bar with the text "Search in EU Vocabularies" and a "Query Wizard" button. Below the search bar, there are three main sections:

- Reference data catalogue**: Browse the catalogue of reference datasets published by the Publications Office.
- Online tools and applications**: Discover online solutions to edit, disseminate and interact with your reference data.
- Recent releases and planning**: Explore the latest publication of vocabularies and models.

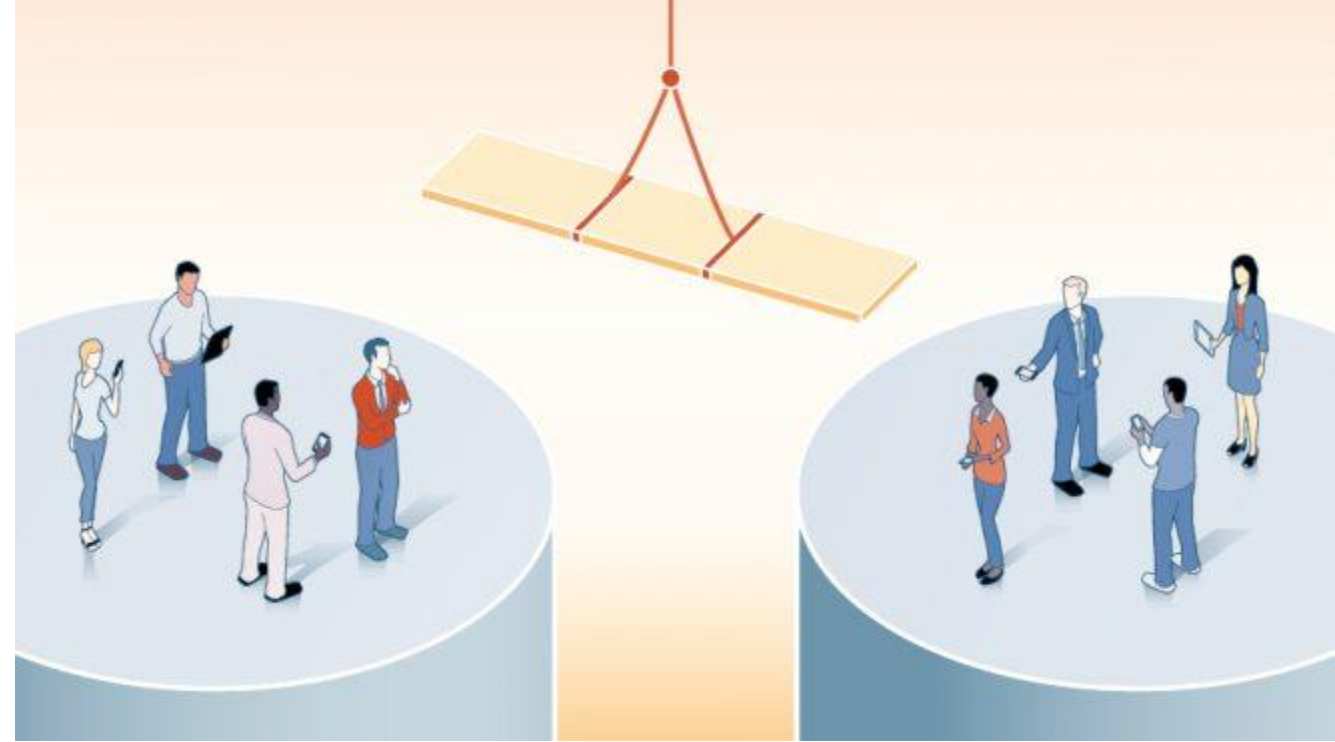
On the right side, there is a "WHAT'S NEW" section featuring a "EuroVoc, the EU's multilingual thesaurus" and a "LET'S COLLABORATE" section.

# HPAC

## Health Policy Agencies Collaboration

# HPAC in a nutshell

- Act as a bridge between stakeholders by **fostering IT collaboration** across Agencies and Commission DGs
- **Identify opportunities** to create common **sustainable** IT solutions for **business needs**
- **Partnership** with business/policy units based on and driven by their needs
- HPAC is the **facilitator** for common digital/data strategy and evolution



# Benefits/aims of HPAC

- Identify common needs early and provide joint solutions
- Share costs
- Reduce global costs through solution reuse
- Eliminate duplication of efforts
- Share best practices and knowledge to benefit community
- Share lessons learnt: what worked/didn't work

# Conclusions

# SANTE work on Digital and Data

- Integrated approach for digital and data activities in SANTE via DDMP and SMP funding
- Aligned with COM strategy, Agencies and policy needs (including MS)
- Multi-year activity spanning multiple domains and providing opportunities to use
  - Data analytics
  - Data visualization
  - Artificial intelligence