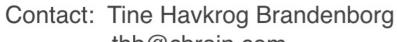
Danish Digitization The F2 Project

May 2019 CEO Per Tejs Knudsen



thb@cbrain.com



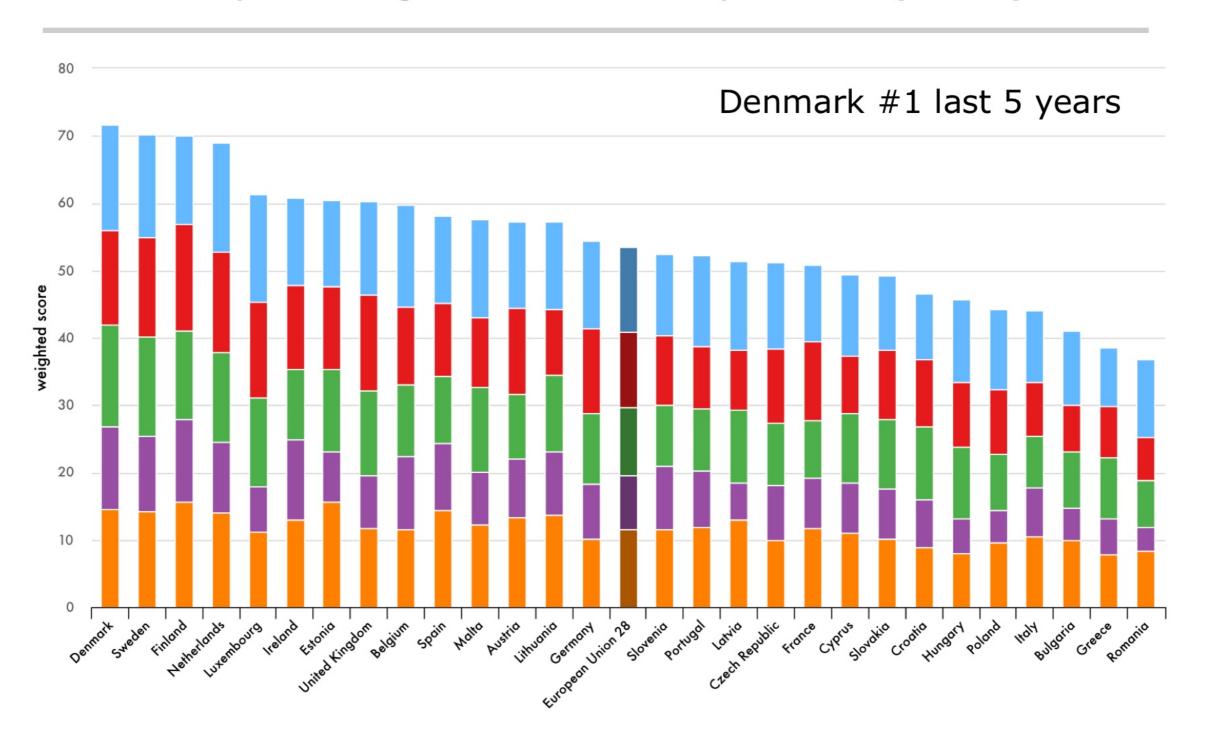


The F2 Project - Danish proposal

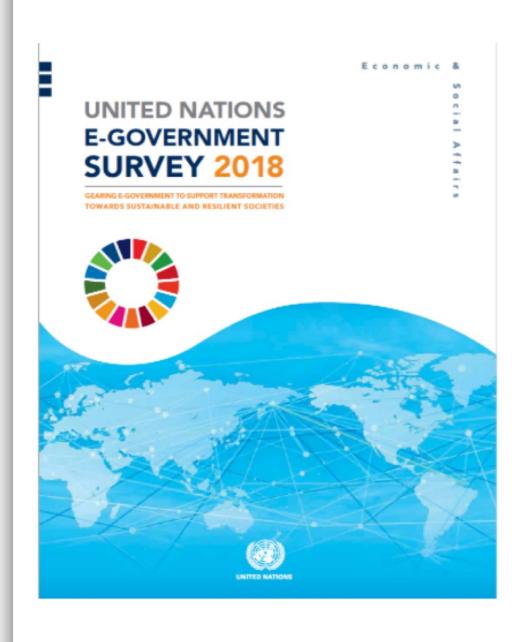
- Standards
- Public-Private Partnership
- Historic roots: first national digitization initiative 1996



The European Digital and Society Index (DESI) 2018



UN E-Government Survey 2018



E-Government Development Index Top 10 Countries

•	
Country	Index
Denmark	0.9150
Australia	0.9053
Republic of Korea	0.9010
United Kingdom	0.8999

Every government organization believes they are special

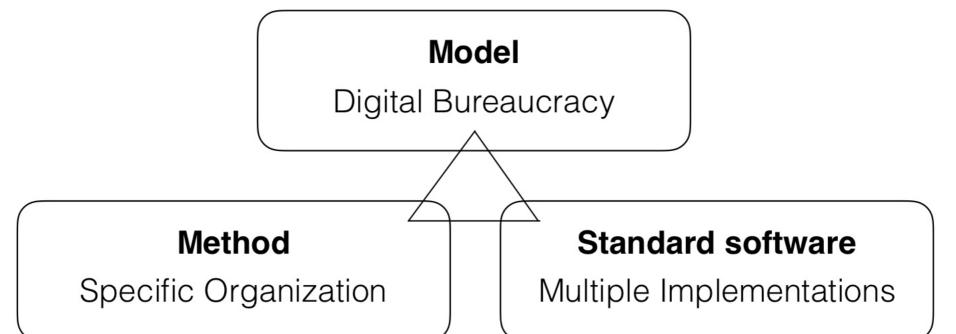
No... Bureaucracy





Digital Bureaucracy

Max Weber



100% Standard - Built for government

F2 Users

100% Standard - Built for government

Ministries

Prime Ministers Office

Ministry of Children and Social Affairs

Ministry of Economy Affairs and interior

Ministry of Employment

Ministry of Energy, Utilities and Climate

Ministry of Environment and Food

Ministry of Finance

Ministry of Foreign Affairs

Ministry of Foreigners and Immigration

Ministry of Taxation

Ministry of Transport, Building & Housing

State of Greenland

Cities and Municipalities

Gentofte Municipality

Copenhagen City

Rudersdal Municipality

Agencies and Institutions

Agency of Digitization

Agency for Government IT

Agency for Labour & Recruitment

Agency for Modernisation

Agency of Railroads

Agency of Tax

Danish Business Authority

Danish Energy Agency

Danish Evaluation Institute

Danish Meteorological Institute

High Commisioner of Faroe Island

High Commisioner of Greenland

IT University

National Board of Social Services

Roskilde University

The State Administration

Vestforsyning Water & Heating

Agencies and Institutions Ministries Prime Ministers Office Agency of Digitization Mir 13 of 19 Ministerial departments Mir 50+ Government Organizations Mir Mir Liverpool City (UK) Mir Bristol University (UK) Mir Deutsche Rentenversicherung (Berlin): Accessibility/"Mitarbeiterrat" Mir F2 Cloud Emirates Mir Danish Meteorological Institute Ministry of Taxation Ministry of Transport, Building & Housing High Commisioner of Faroe Island State of Greenland High Commisioner of Greenland IT University **Cities and Municipalities** National Board of Social Services

Copenhagen City
Rudersdal Municipality

Gentofte Municipality

The State Administration
Vestforsyning Water & Heating

Roskilde University

Digital Bureaucracy model applied

Internal ministerial work and case processing "Paperless ministry"

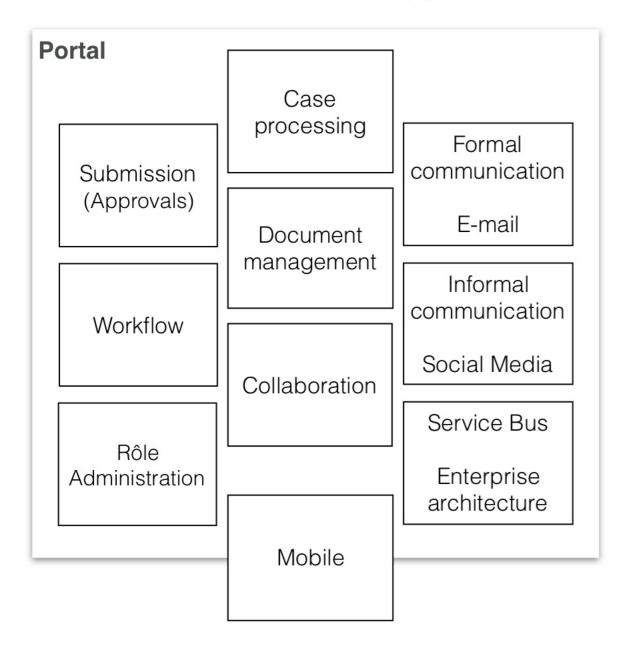
Citizen services end-to-end
From self-service to case processing and archiving

Collaboration and communication
Across and between government entities



Island-of-computing -> Integration

Best-of-breed / Apps



F2 Integrated Production Platform

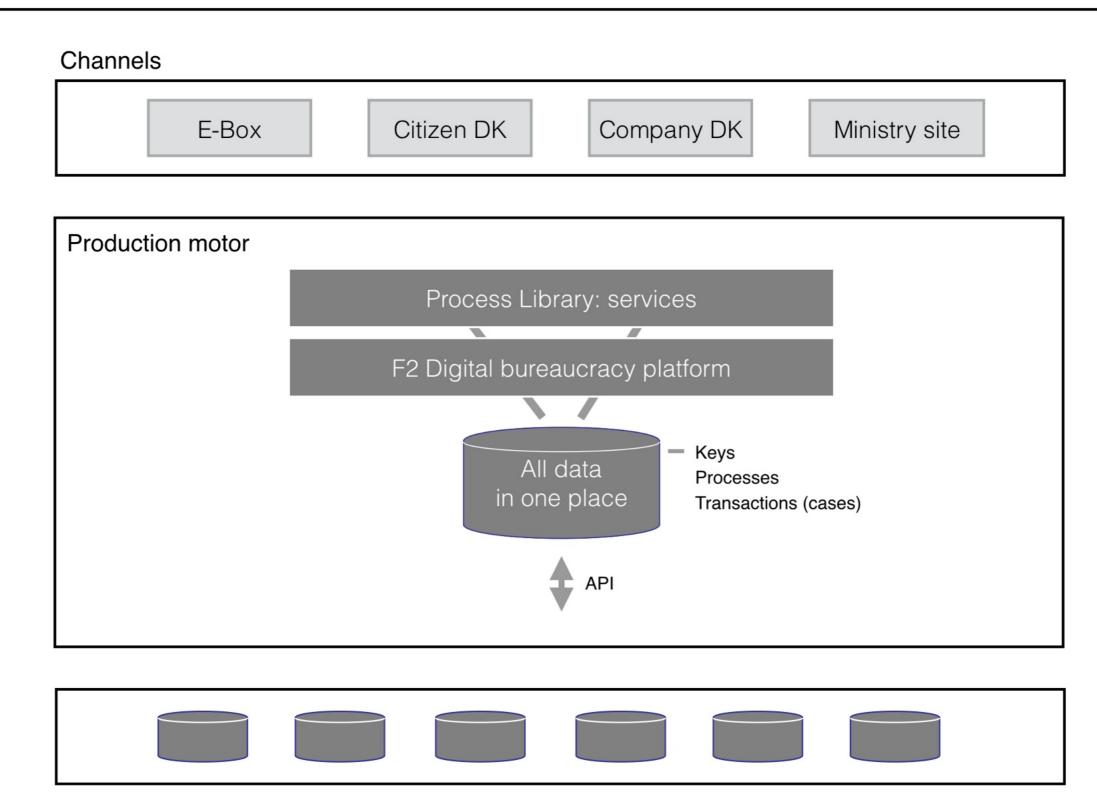


Production system built for government

- Privacy by design
- General Data Protection Regulation (GDPR)

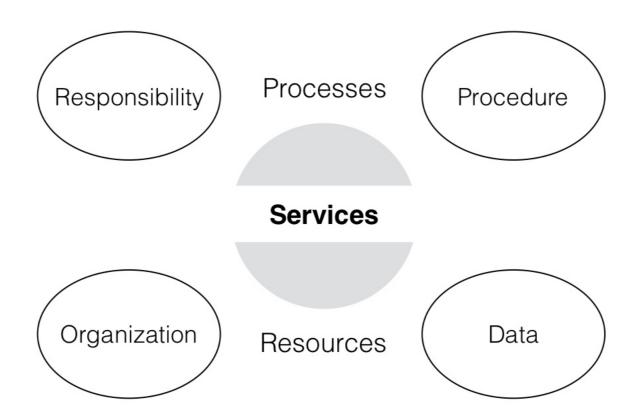
Data-centric and process-driven

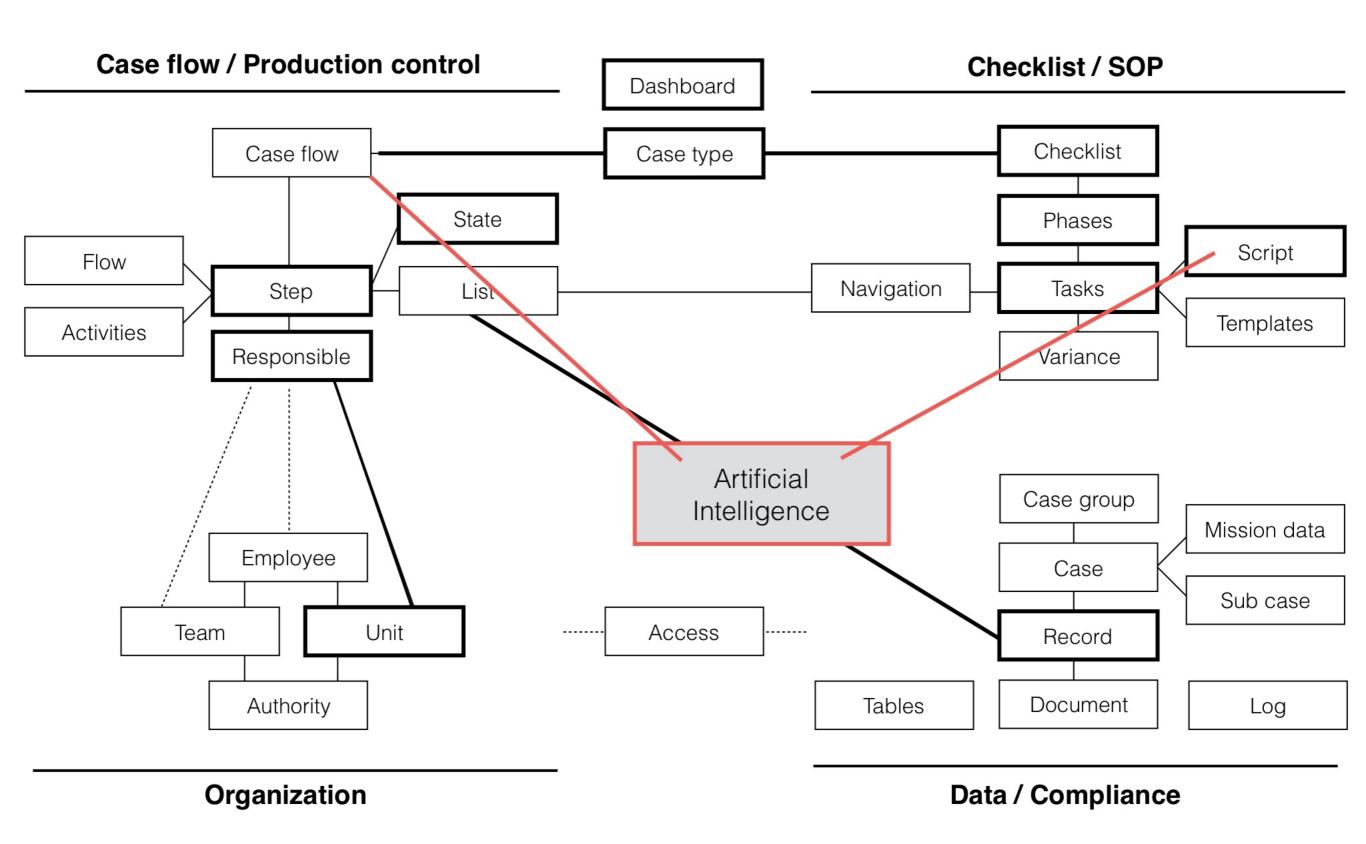
Citizens Employees **Proces description** Process Library: services · XML & Script F2 Digital bureaucracy platform All-of-box, fully integrated · Case processing Rules · Formal and Keys All data informal communication **Processes** Collaboration in one place Transactions (cases) Knowledge sharing · Contact & Relations Management API · Records and document management · Government workflows Systems - approvals and requests Citizens, Employees, Buildings, Utilities... - IOT Meetings



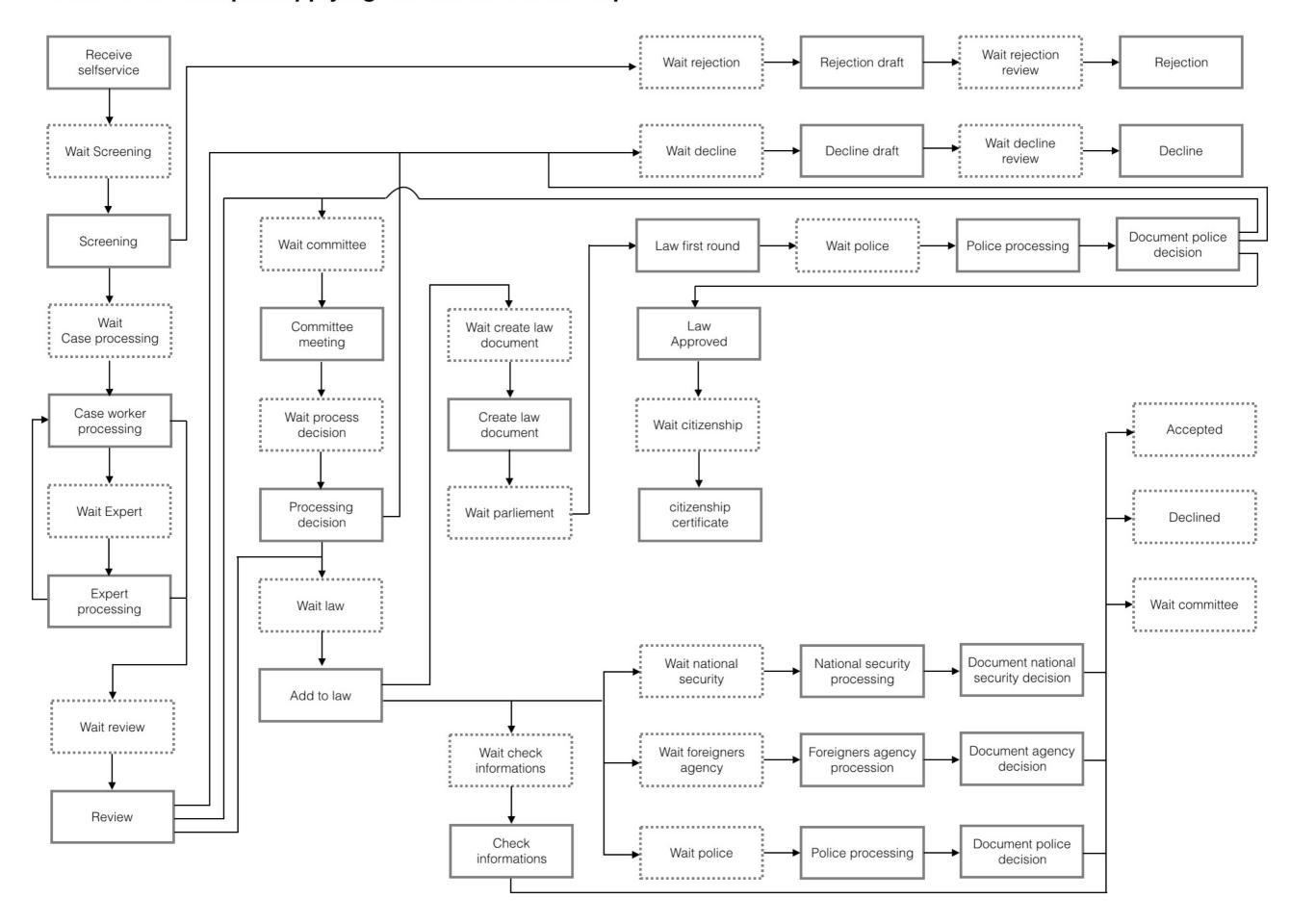
National base services/registers and Legacy

Digital Bureaucracy: Process Modeling

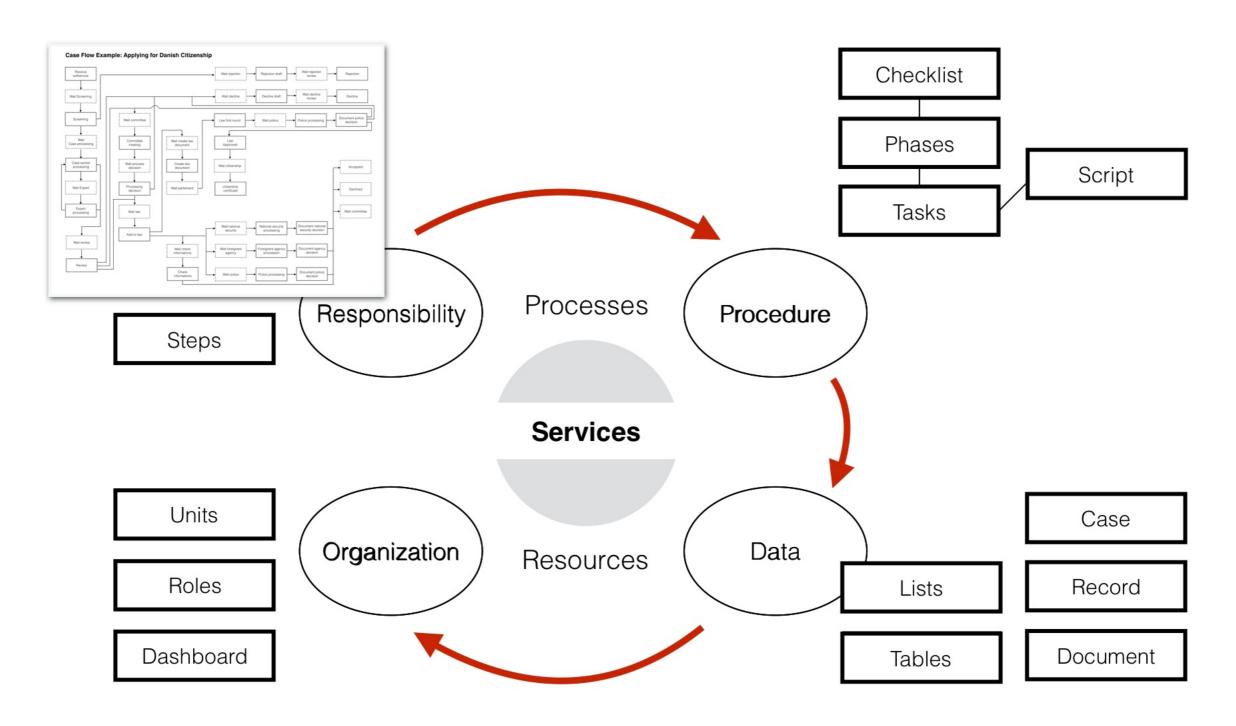




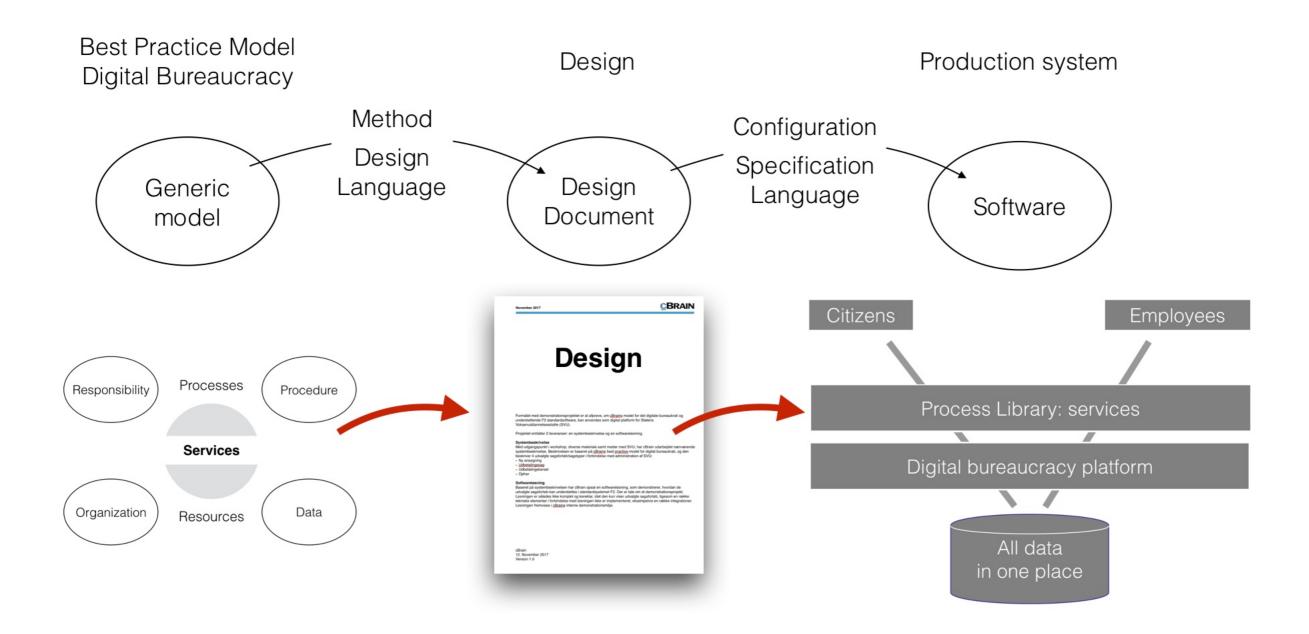
Case Flow Example: Applying for Danish Citizenship



Best Practice Model: Digital Bureaucracy



Best Practice Based Implementation



Digital Bureaucracy Projects, examples



2011: National Digitization Award

- Ministry of Energy & Ministry of Transportation
- Ministries reuse model and software. 6 Weeks



2015: Ministry of Foreign Affairs

2.500 Users: Copenhagen and 100 Locations across the world



2016: Agency of Taxation

Fraud Management: Return of Dividends - Al



2017: Ministry of Finance

Enterprise solution: Department and 4 Agencies. 6 Months



2017: Copenhagen City

International Housing: Registration and support of foreigners





2017: National Digitization Award - State Administration

- Danish State Administration: "Helping families through hard times"
- While delivering significant and measurable effects

Danish State Administration



1+ Million citizens

- Family law
- EU
- Guardianship
- Contributions
- Inspection

Production

- 200,000 decisions per year
- 500,000 letters in
- 600,000 letters out
- 350,000 phone calls
- 100,000 visitors/meetings

Measurable effects and savings

- 30% total cost reduction over 3 year period
- Process example: Divorce
 23 Million -> 10 million a year
- Work place survey: 62% -> 91%
- Citizen Services: Award
- Artificial Intelligence

Citizens

Employees

Process Library

F2 Production Platform

All data in one place



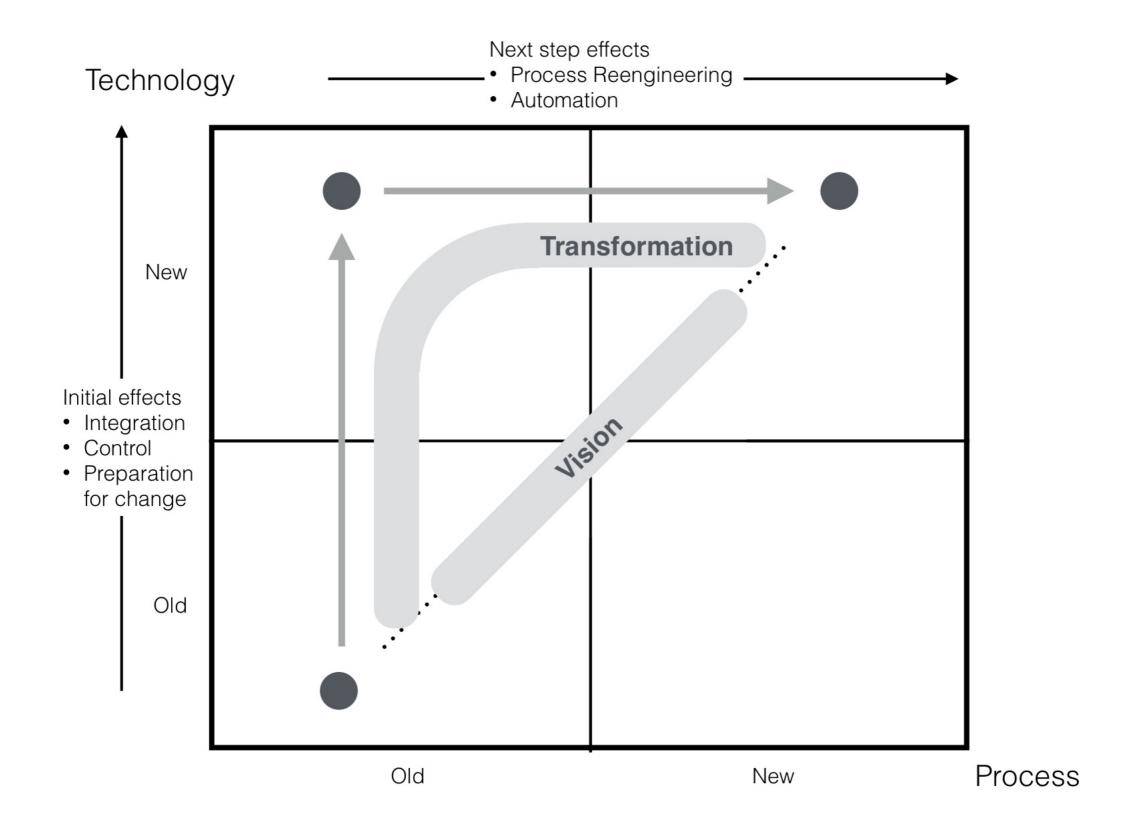
Danish State Administration: Citizen services



a I Publikationer Job Send 🖾 Om Statsforvaltningen Søg Forside Kontakt os Blanketter FAQ Presse NEM ID Secure Decision and National citizen Payment Digital signature Bruger-id electronic documents register communication Adgangskode Upload et billede af NemID nøglekort. (pakraevet) Vælg fil Der er ikke valgt nogen fil naeste CPR QuickPay Checklist Du udfylder og Du får via Digital Du modtager Blanketter underskriver Post besked om bevillingen via ansøgningen sagens forløb Digital Post Sagens oplysninger Opsætning **№** Behandlingsplan Sagen oprettes i Ansøgningen Vi kontakter jer, Vi behandler sagen Sagen afsluttes, og Statsforvaltningen hvis vi mangler bevillingen sendes sendes videre til din ægtefælle oplysninger

	Dashboard											
	Aktionærsager pr. p	roces			₩							
	Hylder	Antal	Uge 1	Uge 2	Uge 3	Uge 4	Uge 5	Uge 6	Uge 7	Uge 8	Uge 9	Uge 10
c	Ny sag	0	0	0	0	0	0	0	0	0	0	0 1579
	Visitering	5358	540	587	692	509	354	479	117	333	168	997
	Sagsbehandling	1838	18	17	68	131	243	207	15	14	128	997
	Kontrol	223	0	0	0	0	1	0	28	3	106	656
	Klar til afgørelse	665	0	0	0	1	1	0	0	0	7	6
	Klar til udbetaling	8	0	1	0	0	0	0	1	0	0	
	Sendt til TaskForce	2	1	0	0	0	0	0	0	0	0	1
	Lukket	1	0	0	0	0	0	0	0	0	0	1
	Ukendt	52	0	3	5	2	5	8	2	0	1	26

Agile implementation. Standard, built for government



Digitization Portfolio

Identified projects

- Project A
- Project B
- Project C

Modeling Alfa Go/No Live

