First wave: structural reforms (1970s-1980s)

- Privatizations, liberalizations: market-oriented reforms

Second wave: regulatory reform (1980s-1990s)

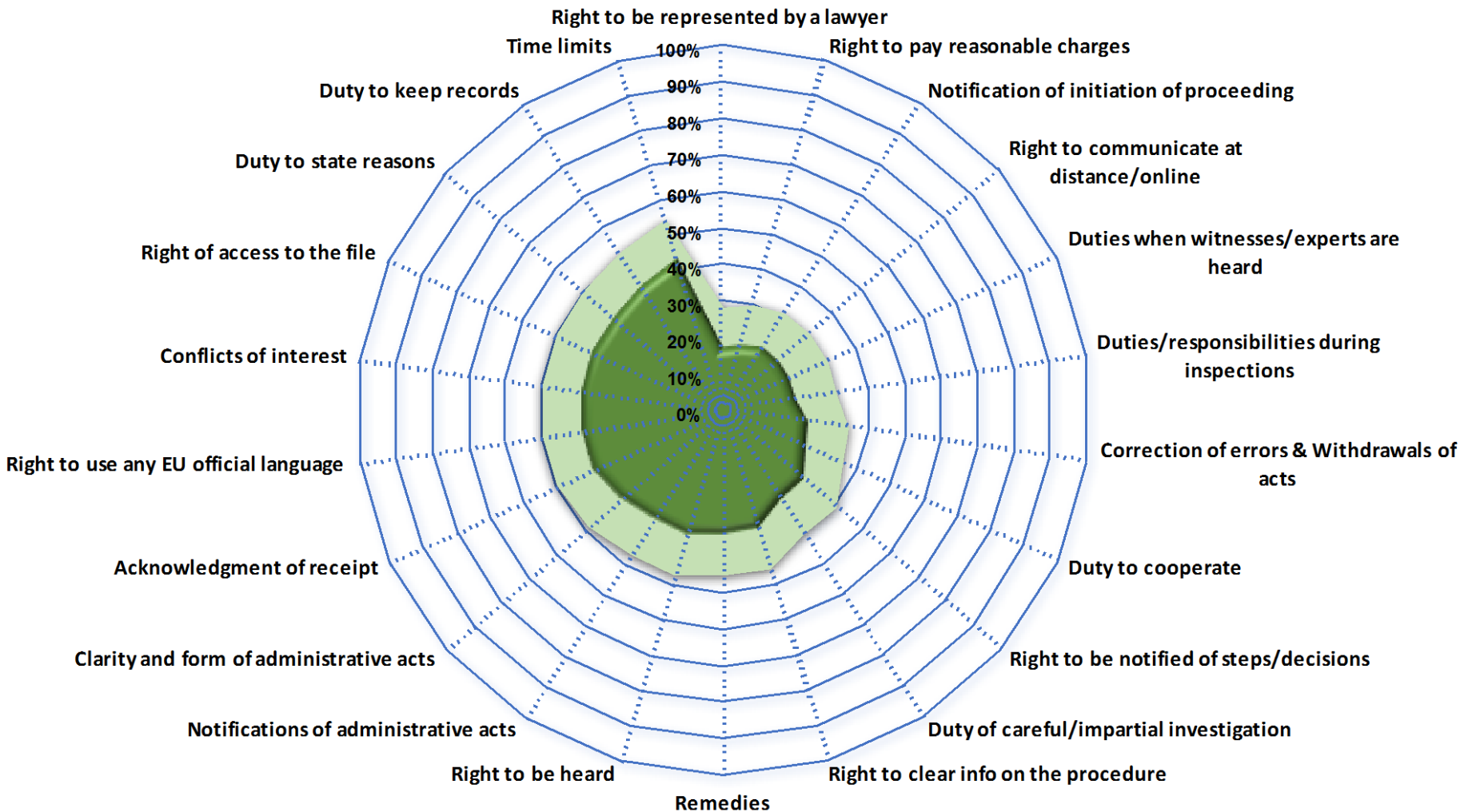- Ex ante filters + "Less is more"

Third wave: regulatory governance/management (2000s)

- Policy cycle concept + importance of oversight

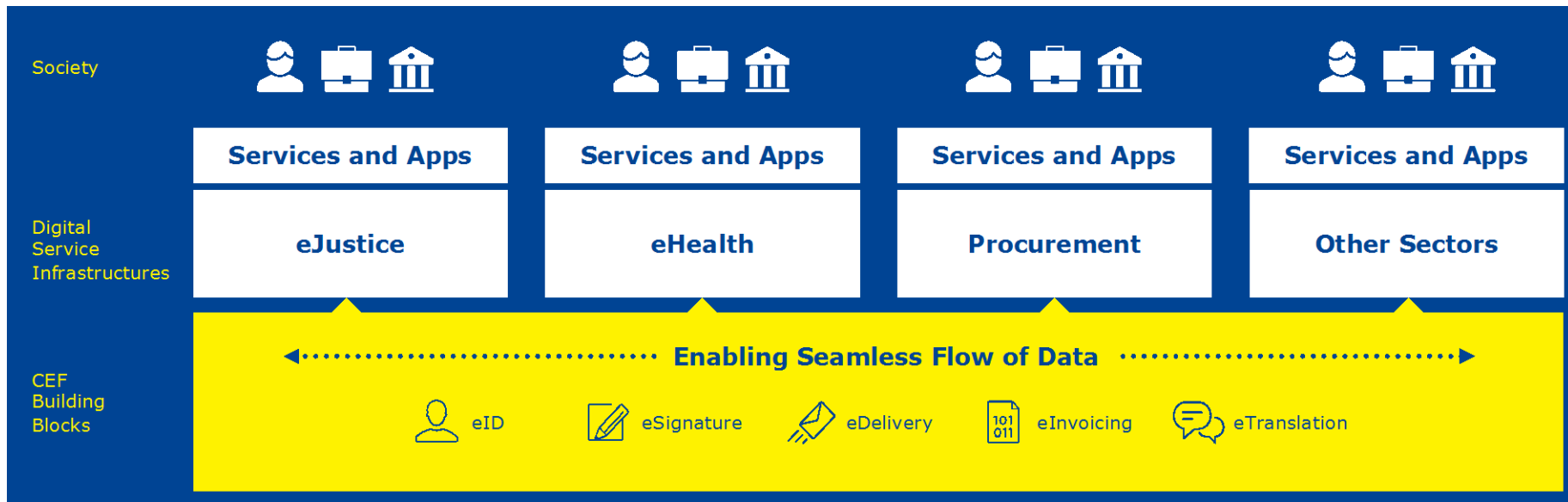## Fourth wave: re-designing government (2010s)

- Experimental, adaptive regulation, design-based rules
- Beyond efficiency, towards coherence?
- Algorithmic and data-driven regulation
- Legal interoperability and embedded compliance
- Algorithmic regulation

Right to be represented by a lawyer
Time limits
Right to pay reasonable charges
Duty to keep records
Notification of initiation of proceeding
Duty to state reasons
Right to communicate at distance/online
Right of access to the file
Duties when witnesses/experts are heard
Conflicts of interest
Duties/responsibilities during inspections
Right to use any EU official language
Correction of errors & Withdrawals of acts
Acknowledgment of receipt
Duty to cooperate
Clarity and form of administrative acts
Right to be notified of steps/decisions
Notifications of administrative acts
Duty of careful/impartial investigation
Right to be heard
Right to clear info on the procedure
Remedies

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%

Number of institutions = 65 (all institutions)

Building blocks: a multi-level governance challenge

Society				
Services and Apps	**Services and Apps**	**Services and Apps**	**Services and Apps**
Digital Service Infrastructures	**eJustice**	**eHealth**	**Procurement**	**Other Sectors**

Enabling Seamless Flow of Data

CEF Building Blocks: eID   eSignature   eDelivery   eInvoicing   eTranslation

Source: European Commission, DG DIGIT (2018)

- **New screens**
  - **Openness/neutrality**
  - **Interoperability**
  - **Scalability**
  - **Contestability**
  - **Resilience**
  - **Enforceability**
  - **Input/throughput/output/outcome accountability**
  - **Trusted/trustless systems**

- **New experiments**
  - **RCTs**
  - **(Virtual) sandboxes**
  - **Ideation Sprints and rapid prototyping**
  - **Regulation via "extensions"**
  - **Algorithmic auditing and differential access to data**
  - **Co-regulatory schemes**

Where ISA2 can make the difference (if the rest of the EU does its homework!)

- **Seamless interoperability in EU's multi-level governance**

- **Smart regulation 4.0: from cutting red tape to "red tape erasers"**

- **Blockchain and eID are important complements to legal interoperability**

- **Embedding compliance and enforcement: challenges and opportunities towards the "perfect technology of justice"?**

  - **RegTech and SupTech can massively improve regulation**

  - **Powering Industrial Data Spaces with legal interoperability in the DSM**

  - **Making experimental policymaking (e.g. virtual sandboxes) possible**

Thank you!