

Green Developments

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Circular Economy (CE) is high on the political agenda (Paris Agreement, Green Deal, CE Action Plan)

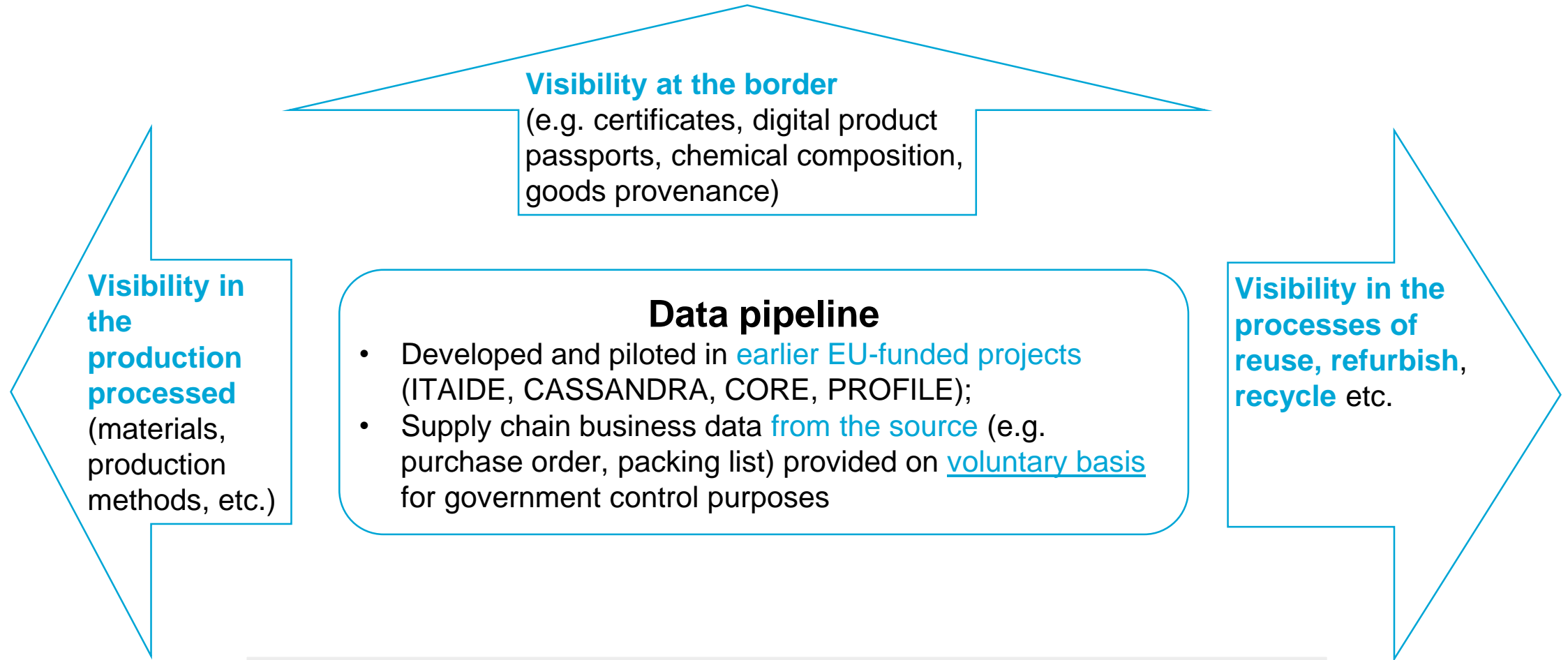
Government introduce **instruments** to stimulate Circular Economy
(e.g. Subsidies, taxes)

However

Measures and instruments are **prone for misuse** unless proper monitoring is put in place

Governments **lack visibility** in the **circular economy**
flows to be able to properly monitor and control these

Extended Data Pipeline for Circular Economy Monitoring

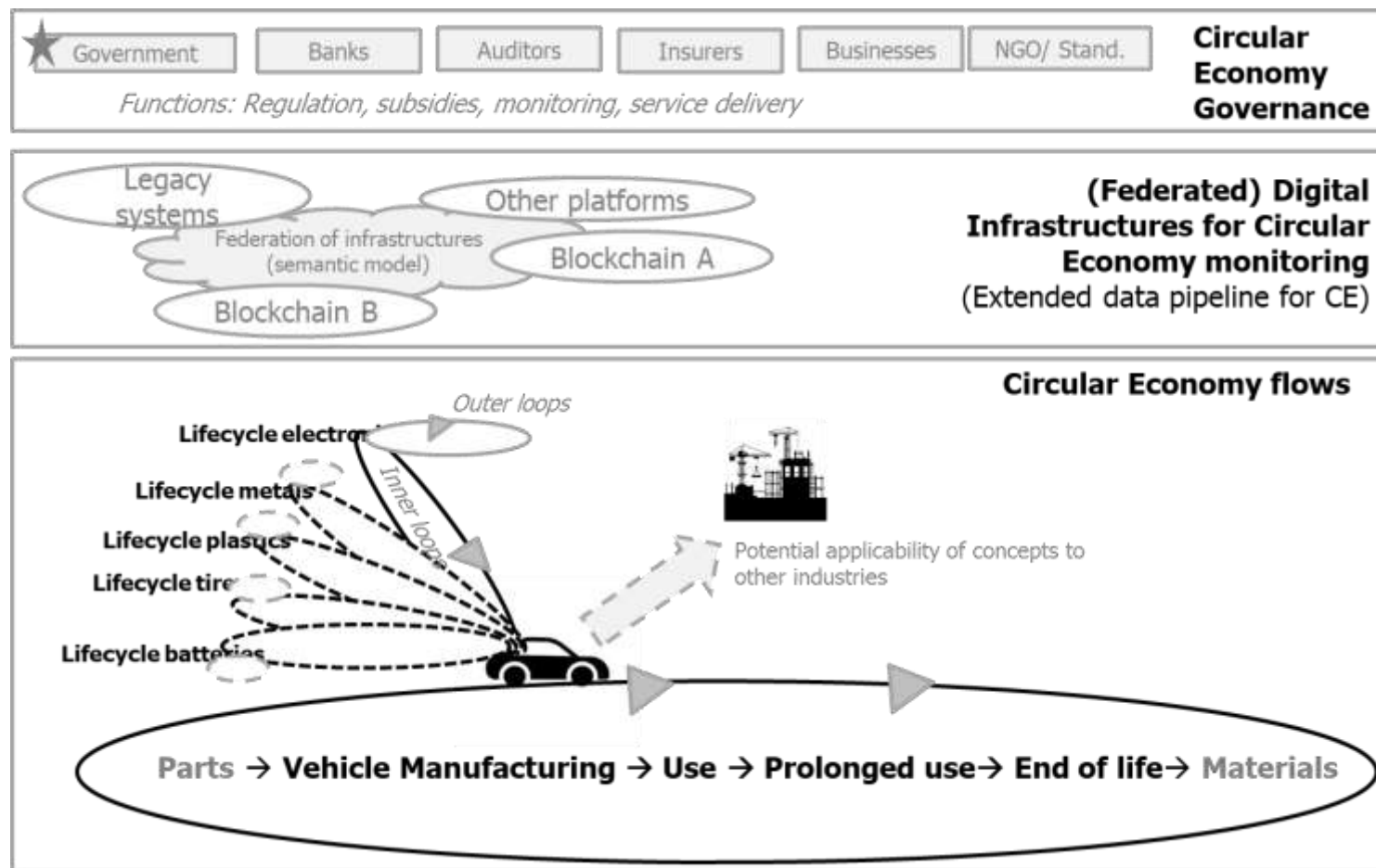


Extended Data Pipeline for Circular Economy (CE) Monitoring

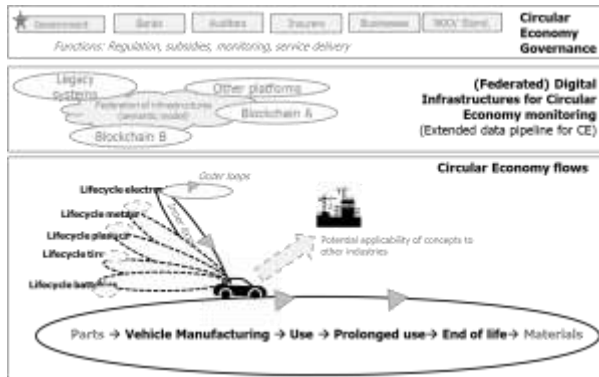
The DATAPIPE Project

- Funded by TSI of the European Commission, DG REFORM
- Sept 2022-Sept 2024
- Key research partners: TU Delft, TNO
- Support to the Customs Administration of the Netherlands and The Ministry of Infrastructure and Water Management of The Netherlands
- Focus on automotive and links to other industries
- Problem analysis and blueprint for piloting

The DATAPIPE Project



DATAPIPE: The Broader Perspective



Focus on automotive

- Focus on the finished vehicle → then zoom in on parts/materials
- Links to other industries

National view

- Customs Administration of the Netherlands
- Ministry of Infrastructure and Water Management
- Circular Economy processes in automotive in the Netherlands
- FEDeRATED approach to data sharing

EU View

- 2030-2050 targets CO2 and reuse of secondary materials
- Resilience
- EU competitiveness
- Role of government (financial instruments, legislation, monitoring)
- Multiple DGs (DG TAXUD, DG REFORM, DG ENVI, DG MOVE, DG CONNECT, DG GROW)
- EU data strategy/ mobility strategy etc..

Global view

- Global competition and new entrants/ markets
- Government-to- Government collaboration
- Extended Producer Responsibility (EPR) in a global context
- Links to international developments (e.g. WCO, WTO, UN)

Circular Economy (CE) in automotive (broad view)

Legislation

- Legislation lagging behind CE
 - New regulatory changes expected towards stricter CE monitoring
- Enforceability/ feasibility of legislation

Industry transformation

- Automotive needs to address CE and deal with the **current flows/ supply chains**
 - Missing vehicles, export to Africa, global EPR
- Automotive needs to anticipate on **industry transformation** and implications for CE monitoring
 - (e.g. New entrants from the electronics industry and entrants with new models from other economic zones)

Thank you!

