

What's on the horizon considering regulation related to circular economy and data?

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- ▶ Promotes balanced dialogue between stakeholders
- ▶ Created in 1996
- ▶ Debating societies (e.g. Chatham House)
- ▶ Expertise
- ▶ ‘Common good’, not specific interests
- ▶ Independence and transparency

Data and circular economy

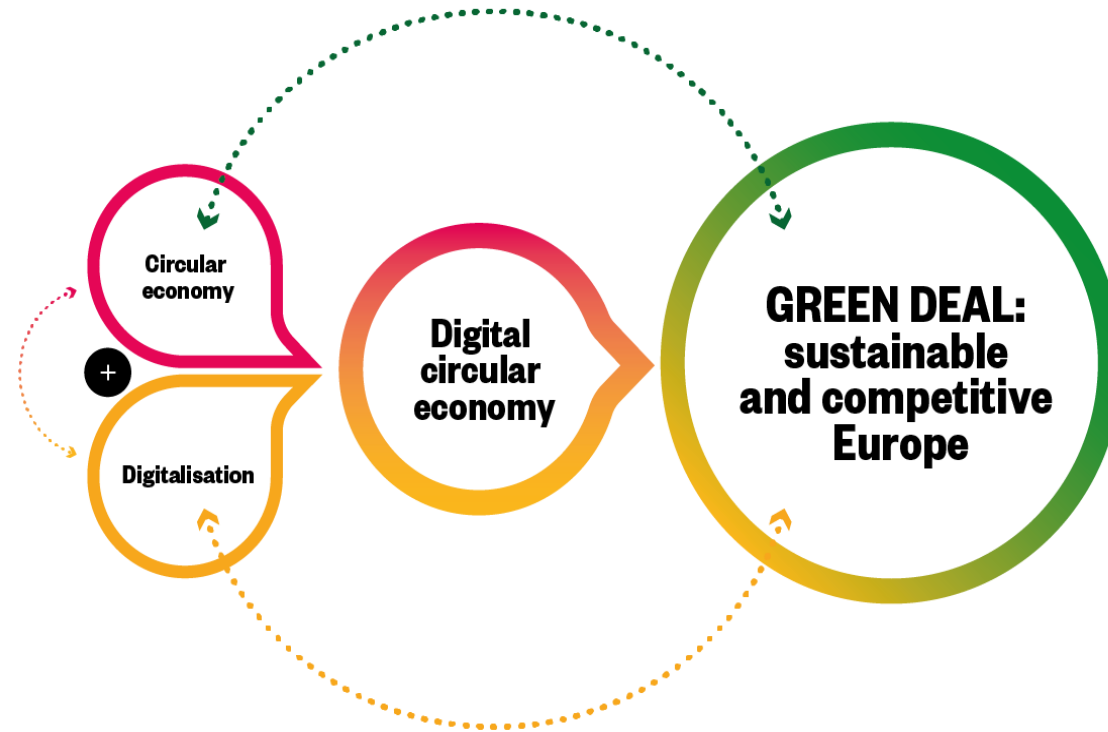
Importance of data:

- Enables retention of products and materials throughout their life cycle
- Facilitates partnerships between producers, consumers and waste operators
- Improves policy implementation (e.g. public procurement, law enforcement)

Examples of data-driven circular economy:

- **Circularise** – blockchain enabled solution to share product-related information across value chains
 - **I4R** – an online platform to exchange information in the electronics sector
 - **IMDS** – an online database to exchange information in the automotive sector
 - **TagItSmart** – an IoT based solution to share information about fast moving consumer products
 - **Circular.Fashion** – digital product passport to share information on clothing
- ❖ Digitalisation can play a decisive role in data sharing for the circular economy

Digital circular economy for the Green Deal



Digital solutions and digitalisation as a catalyst for a circular economy



Challenges

- Data sharing vs data protection
- Lack of interoperability and data standards
- Are collected & shared data actionable?
- EU lagging behind in digital transformation
- Negative side-effects of digitalisation

Ongoing policy developments

Strategic framework:

- **European Green Deal**
- **Circular Economy Action Plan**
- **European Data Strategy**

Concrete policy initiatives:

- **Sustainable Products Initiative** > digital product passports
- **Common European data space (for circular applications)**
> Upcoming legislation: Data Governance Act and Data Act
- **Sustainable Finance agenda** > e.g. corporate reporting in machine readable format, circular taxonomy rules and digitalisation?
- **Multiannual Financial Framework** and Next Generation EU > Digital Europe and Horizon Europe programmes

EU Policy Recommendations

- Establish a long term vision with a timeframe for achieving digital circular economy
- Common data space and digital product passports needs to be purposeful and ensure data sharing while protecting confidential information
- Invest in digitalisation of the European economy, society and public institutions
- Ensure that ICT is energy efficient, driven by renewables and circular

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