

# Protect

## Altruistic (Re-)Use of Health Data through Semantic Policies

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2nd DPSN International Data Protection Day

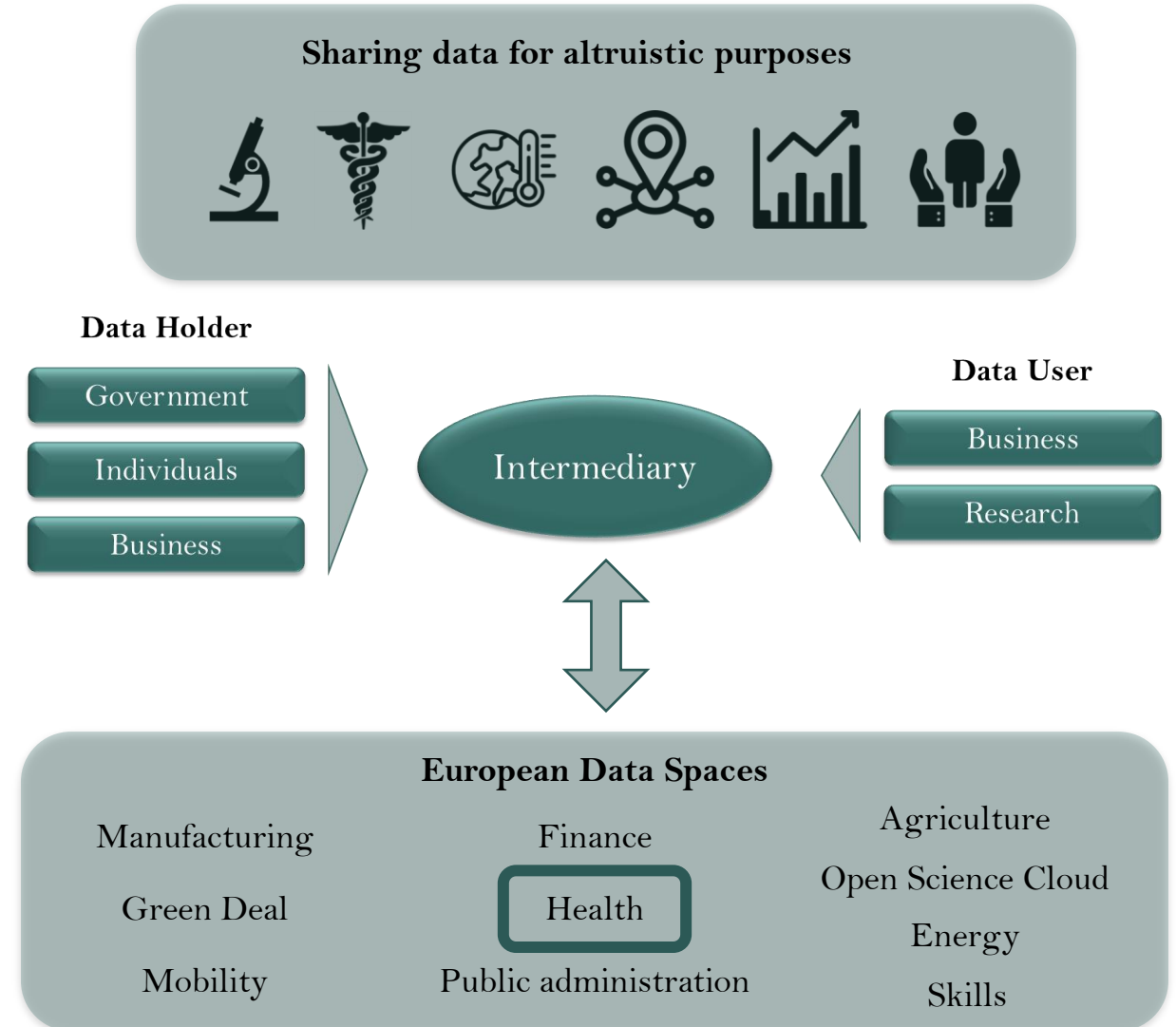
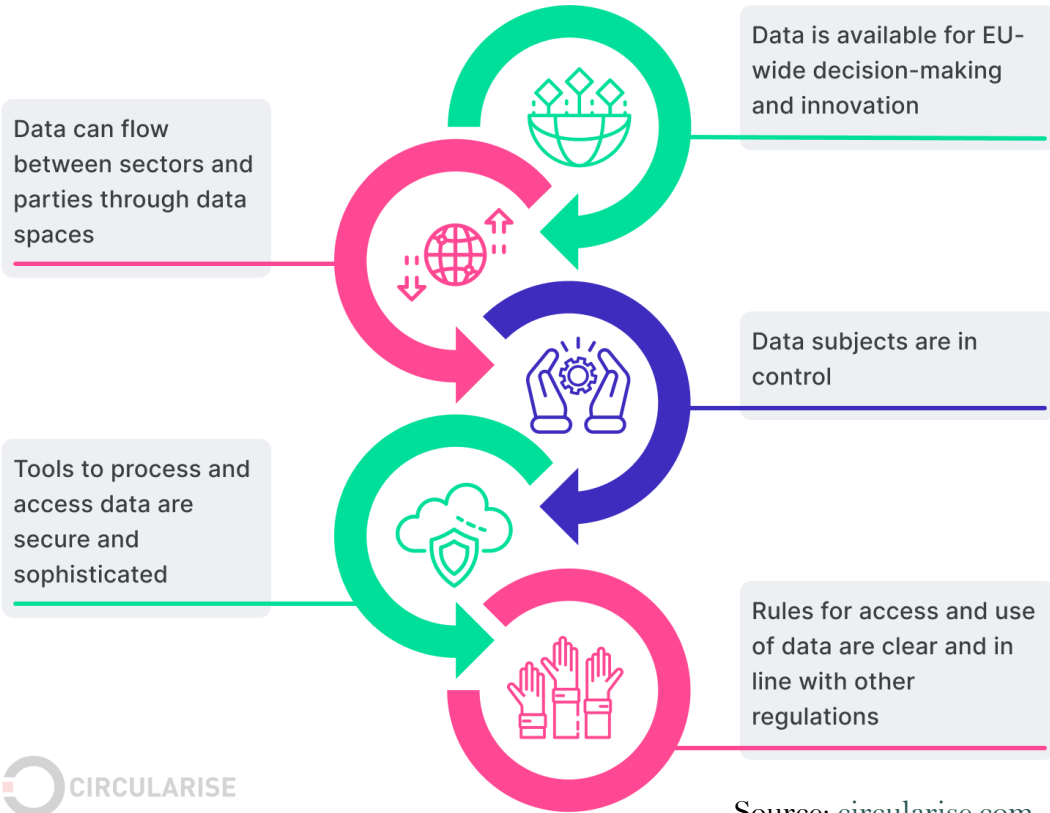
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# Motivation



## European strategy for data



# Extending DUO with ODRL and DPV for Health Data Sharing



<https://w3id.org/duodrl/repo>

H. J. Pandit, B. Esteves (2022). Enhancing Data Use Ontology (DUO) for Health-Data Sharing by Extending it with ODRL and DPV. Under review in the Semantic Web Journal. <http://www.semantic-web-journal.net/system/files/swj3127.pdf>

```
:Offer2 a odrl:Offer ;
  rdfs:label "Offer to use dataset using GDPR's Explicit Consent, and requiring a DPIA" ;
  odrl:target <https://example.com/Dataset> ;
  odrl:action dpv:Use ;
  dpv:hasApplicableLaw dpv-geo:GDPR ;
  odrl:permission [
    odrl:constraint [
      odrl:leftOperand dpv:hasLegalBasis ;
      odrl:operator odrl:isA ;
      odrl:rightOperand dpv-gdpr:A6-1-a-explicit-consent ] ] ;
  odrl:permission [
    odrl:constraint [
      odrl:leftOperand dpv:hasOrganisationalMeasure ;
      odrl:operator odrl:isA ;
      odrl:rightOperand dpv:DPIA ] ] ;
```

## Future Work

- Extend DPV with concepts from the Data Governance Act, Data Act, AI Act, ePrivacy, Data Spaces, ...
- Extend Proof-of-Concept implementation to determine access to health data stored in personal data vaults such as Solid, OwnYourData, ...