

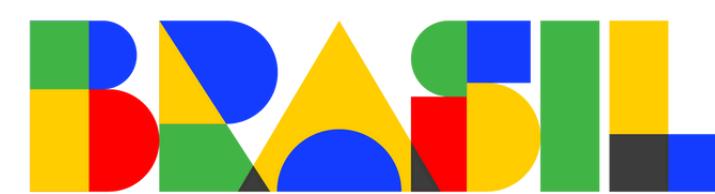
# Camara Temática de Inovação Agrodigital Data-driven agrifood systems

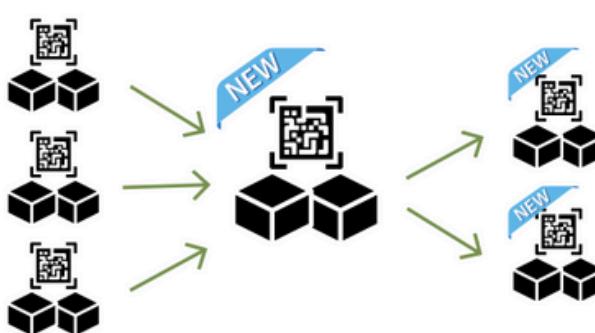
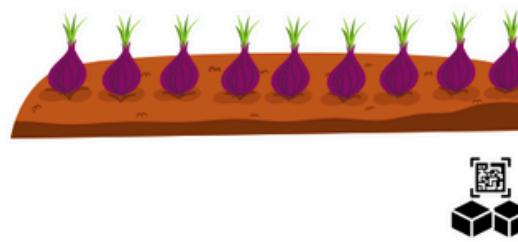
Glauco Bertoldo  
Adido Agrícola

Missão do Brasil junto à União Europeia  
Ministério da Agricultura e Pecuária

Brasília,  
12 de novembro de 2025

MINISTÉRIO DA  
AGRICULTURA  
E PECUÁRIA

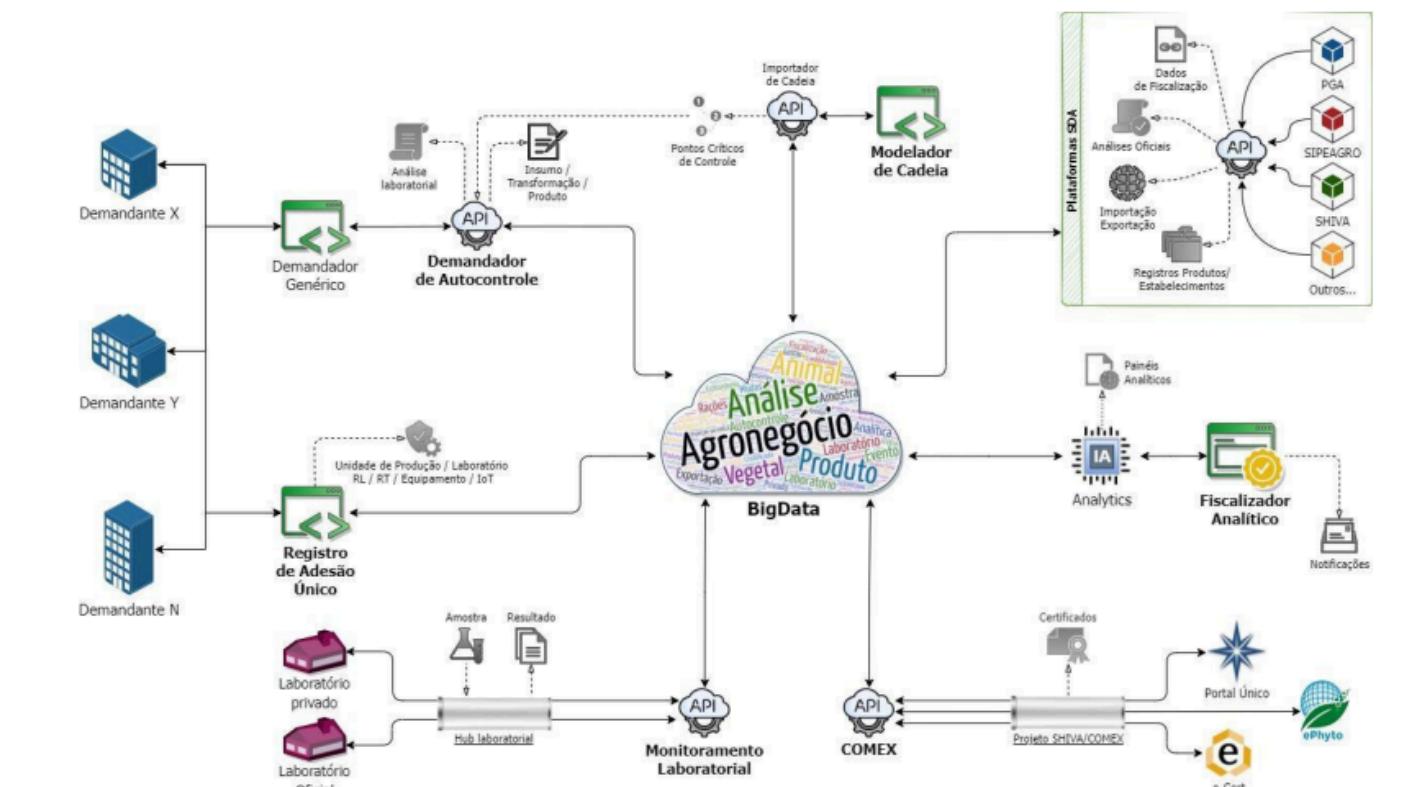
GOVERNO FEDERAL  
  
UNIÃO E RECONSTRUÇÃO

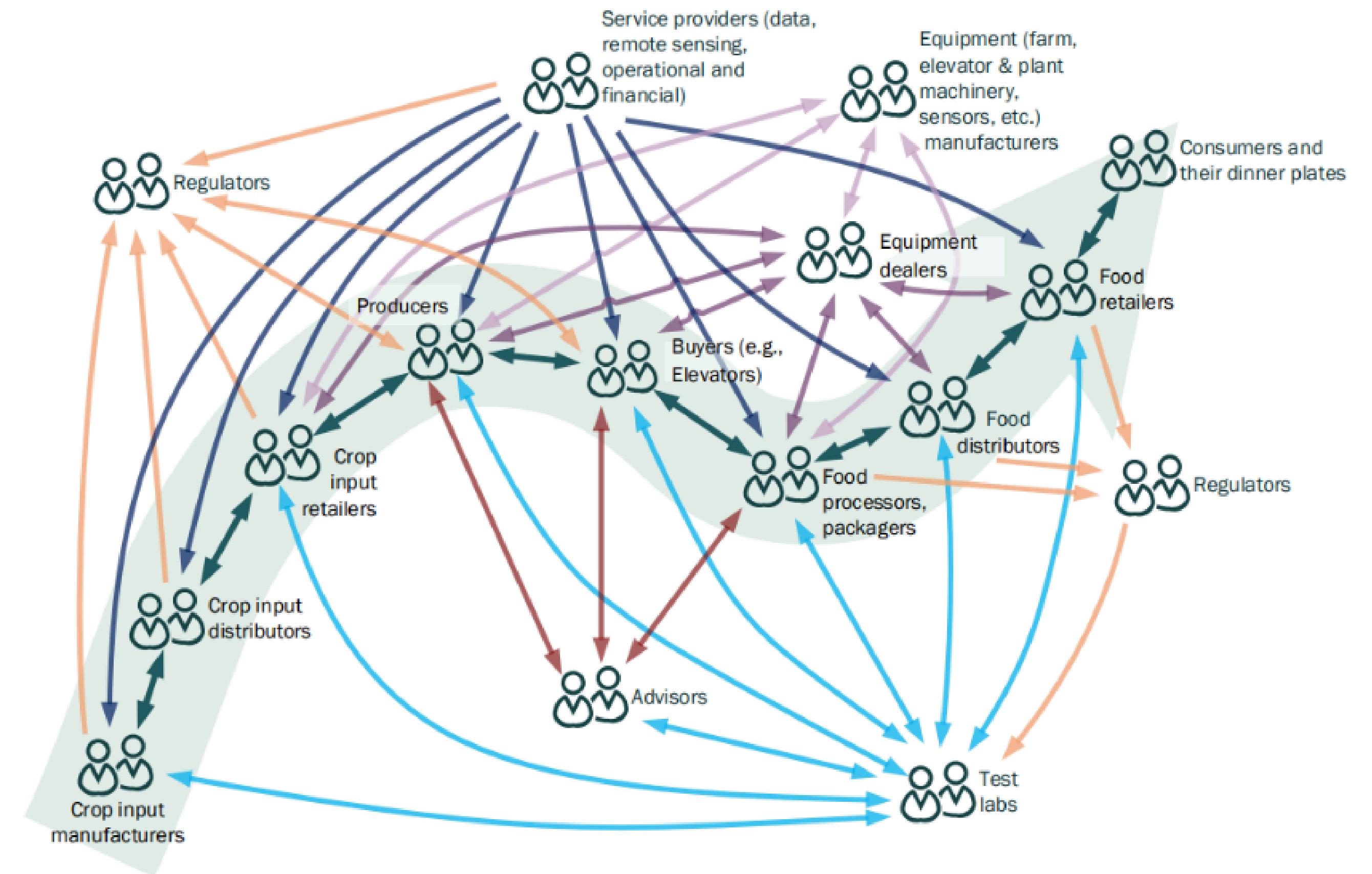


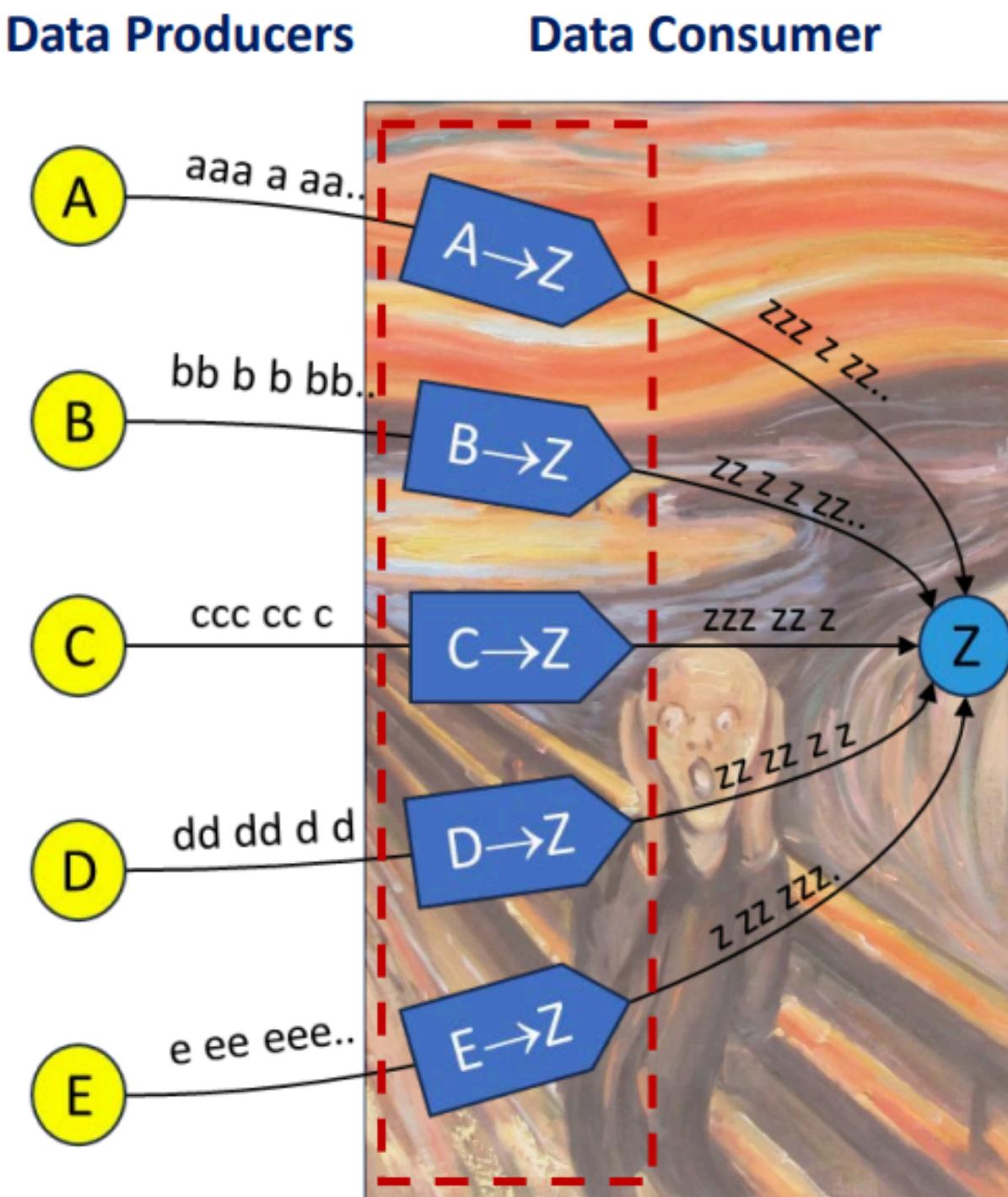
Merging, processing and splitting



Many players  
Aggregation of characteristics  
Loss of features

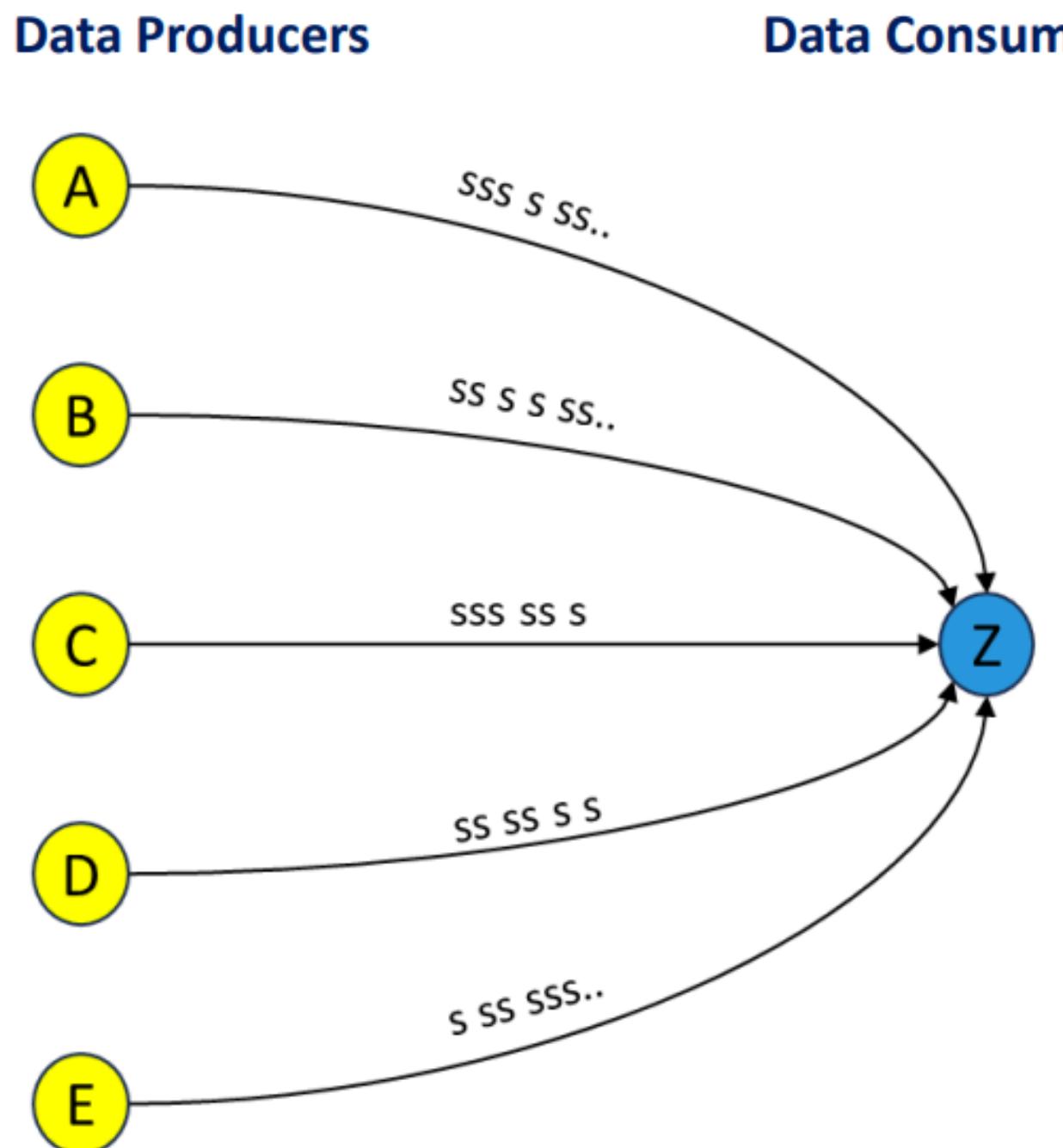






## Not Using Standards:

Many translations to maintain →  
large burden on data consumer's system



## Using Standards:

No translations needed → creating data-driven tools is much easier

Technical Committees

**ISO/TC 347**

**Data-driven agrifood systems**

## About

**Secretariat:** [DIN](#) (Germany)

Committee Manager: [Mrs Dr Sophie Oberländer-Hayn](#)

Chairperson (until end 2029): [Mr Rafael Andres Ferreyra](#)

ISO Technical Programme Manager [TPM]: [Mr David Hassan](#)

ISO Editorial Manager [EM]: [Mrs Martha Casantosan](#)

Creation date: 2023

Padronização de dados e temas  
relacionados no campo dos  
sistemas agroalimentares, com o  
objetivo de permitir uma tomada  
de decisão abrangente, baseada  
em dados e com múltiplos  
objetivos

ISO/TC 347/AG 1	<i>(i)</i>	Communications
ISO/TC 347/AG 2	<i>(i)</i>	Stakeholder engagement
ISO/TC 347/AG 3	<i>(i)</i>	Responsible Innovation
ISO/TC 347/AG 4	<i>(i)</i>	Regional Matters
ISO/TC 347/AG 5	<i>(i)</i>	Learning and growth

ISO/TC 347/AHG 1	<i>(i)</i>	Strategic Business Plan
ISO/TC 347/AHG 2	<i>(i)</i>	Model and controlled vocabulary of crops
ISO/TC 347/AHG 3	<i>(i)</i>	Greenhouse and controlled environment automation
ISO/TC 347/AHG 4	<i>(i)</i>	Integrated Pest Management (IPM)
ISO/TC 347/AHG 5	<i>(i)</i>	Annotating agrifood data for AI
ISO/TC 347/AHG 6	<i>(i)</i>	Livestock activities management
ISO/TC 347/AHG 7	<i>(i)</i>	Enabling actionable insights from field operations data
ISO/TC 347/AHG 8	<i>(i)</i>	Digital land usage histories / field passports
ISO/TC 347/AHG 9	<i>(i)</i>	Digital representation of manual field operations
ISO/TC 347/AHG 10	<i>(i)</i>	Digital representation of field boundaries

**ABNT/CB-203**  
**Comitê Brasileiro de Tratores,**  
**Máquinas Agrícolas e Florestais**



**ASSOCIAÇÃO BRASILEIRA DE NORMAS TÉCNICAS**  
FORO NACIONAL DE NORMALIZAÇÃO  
CERTIFICADORA DE PRODUTOS E SISTEMAS

**ATA**

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**CE-203:021.001 – Comissão de Estudo de Sistemas Agroalimentares Orientados por Dados**

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**ATA de Instalação da Comissão de Estudo**

**INÍCIO: 09:00**

**Modalidade: Online**

**Abimaq – via conference - ZOOM**

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**Coordenador(a): Glauco Bertoldo**

**Secretário(a): Leoni S. Leite**

**Analista ABNT: Carlos Biagatan**

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**DATA: 12/08/25**

**TÉRMINO: 10:30**

<b>Entidade</b>
ABIMAQ
ABIMAQ
JACTO
EMBRAPA
TRAMONTINA
MAPA
UFV
KEPLER
CNH
CNH
SENAI IRS
STARA
ABIFRA
EMBRAPA
BECKER
ITS
BALDAN
Embrapa CNPTIA

## Search (5)

MEETING

ISO/TC 347

Registration open

Confirmed

From

To

Country

Registrations

Location type

Committee type

?

Sort by: Descending date

<b>ISO/TC 347/AHG 7</b>	11 <sup>th</sup>
Registration open	
07 Jan 2026 08:30 - 20:30 EST	
<b>ISO/TC 347/AHG 6</b>	13 <sup>th</sup>
Registration open	
11 Dec 2025 13:00 - 14:30 CET	
<b>ISO/TC 347/AG 3</b>	15 <sup>th</sup>
Registration open	
09 Dec 2025 10:00 - 11:00 EST	
<b>ISO/TC 347/AHG 6</b>	12 <sup>th</sup>
Registration open	
27 Nov 2025 13:00 - 14:00 CET	
<b>ISO/TC 347/AHG 8</b>	7 <sup>th</sup>
Registration open	
17 Nov 2025 14:30 - 15:30 CET	

<img alt="A world map showing various countries and oceans. The map is color-coded by region, with green for North America, Europe, and parts of South America and Africa, and blue for the oceans. Labels include 'Groenlândia', 'Islandia', 'Finlândia', 'Suécia', 'Noruega', 'Reino Unido', 'Polônia', 'Alemanha', 'Ucrânia', 'França', 'Itália', 'Turquia', 'Iraque', 'Ará', 'Sau', 'Mali', 'Níger', 'Chade', 'Nigéria', 'Argélia', 'Líbia', 'Egito', 'Sudão', 'Etiópia', 'Quênia', 'Tanzânia', 'Angola', 'Namíbia', 'Botsuana', 'Mad', 'Chile', 'Bolívia', 'Peru', 'Brasil', 'Colômbia', 'Venezuela', 'México', 'Estados Unidos', 'Canadá', 'Groenlândia', 'Islandia', 'Finlândia', 'Suécia', 'Noruega', 'Reino Unido', 'Polônia', 'Alemanha', 'Ucrânia', 'França', 'Itália', 'Turquia', 'Iraque', 'Ará', 'Sau', 'Mali', 'Níger', 'Chade', 'Nigéria', 'Argélia', 'Líbia', 'Egito', 'Sudão', 'Etiópia', 'Quênia', 'Tanzânia', 'Angola', 'Namíbia', 'Botsuana', 'Mad', 'Chile', 'Bolívia', 'Peru', 'Brasil', 'Colômbia', 'Venezuela', 'México', 'Estados Unidos', 'Canadá', 'Oceano Pacífico Norte', 'Oceano Atlântico Norte', 'Oceano Pacífico Sul', 'Oceano Atlântico Sul', 'Oceano Ártico', 'Ará', 'Sau', 'Mali', 'Níger', 'Chade', 'Nigéria', 'Argélia', 'Líbia', 'Egito', 'Sudão', 'Etiópia', 'Quênia', 'Tanzânia', 'Angola', 'Namíbia', 'Botsuana', 'Mad', 'Chile', 'Bolívia', 'Peru', 'Brasil', 'Colômbia', 'Venezuela', 'México', 'Estados Unidos', 'Canadá', 'Oceano Pacífico Norte', 'Oceano Atlântico Norte', 'Oceano Pacífico Sul', 'Oceano Atlântico Sul', 'Oceano Ártico'.</td>

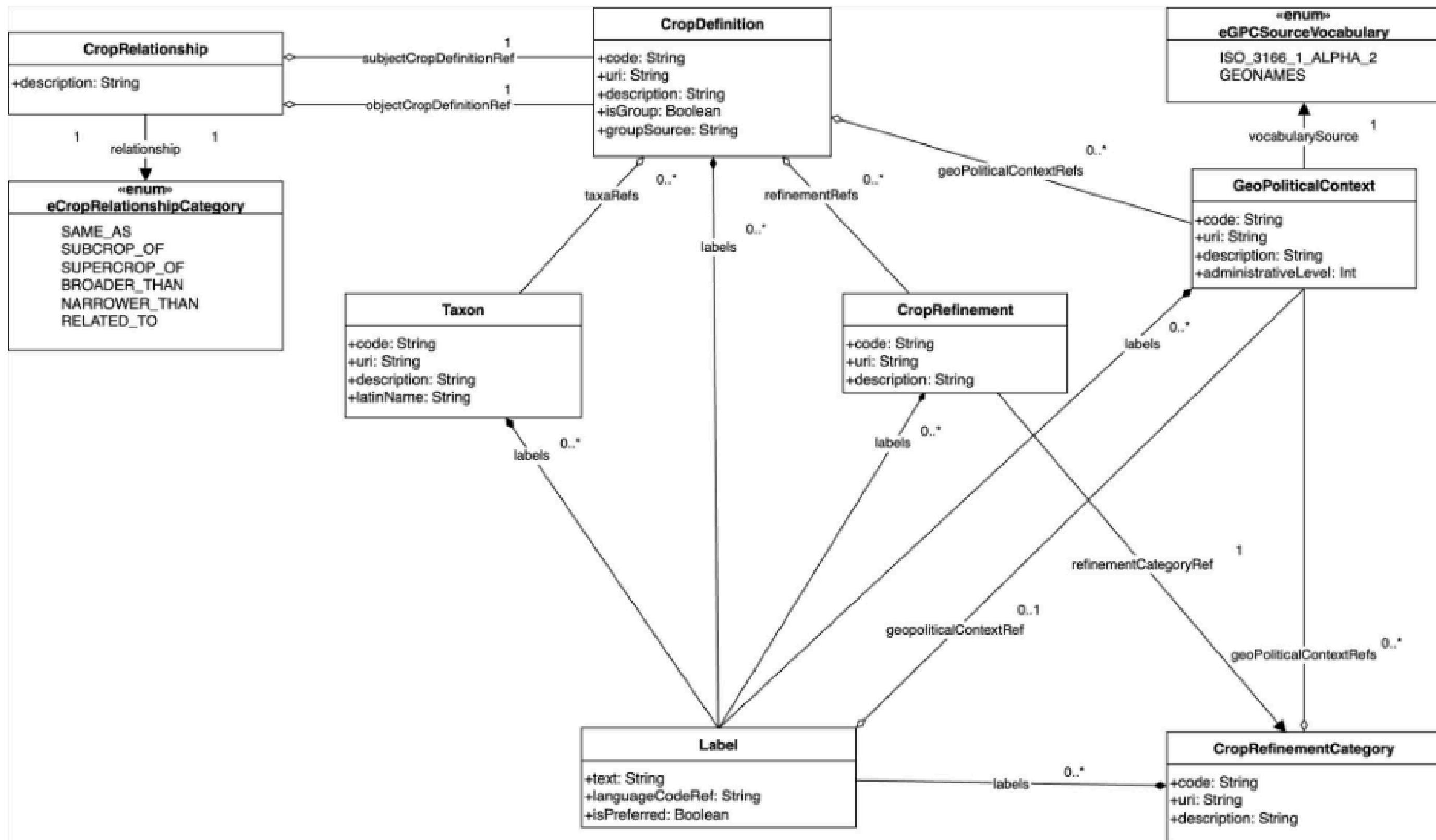
## Reference data in agrifood systems

### — Part 2: Crop definition data model

#### 1 Scope

This document specifies a data model for the representation of crops in agrifood systems. A crop is considered to be a plant species or variety that is cultivated, managed, insured or registered within a defined area and time interval. The model enables unambiguous description, exchange and interpretation of crop-related information across systems and jurisdictions by separating the intrinsic identity of the plant taxon from contextual refinements.

# ISO/TC 347/AHG 2 Model and controlled vocabulary of crops



# ISO/TC 347/AHG 6 Livestock activities management

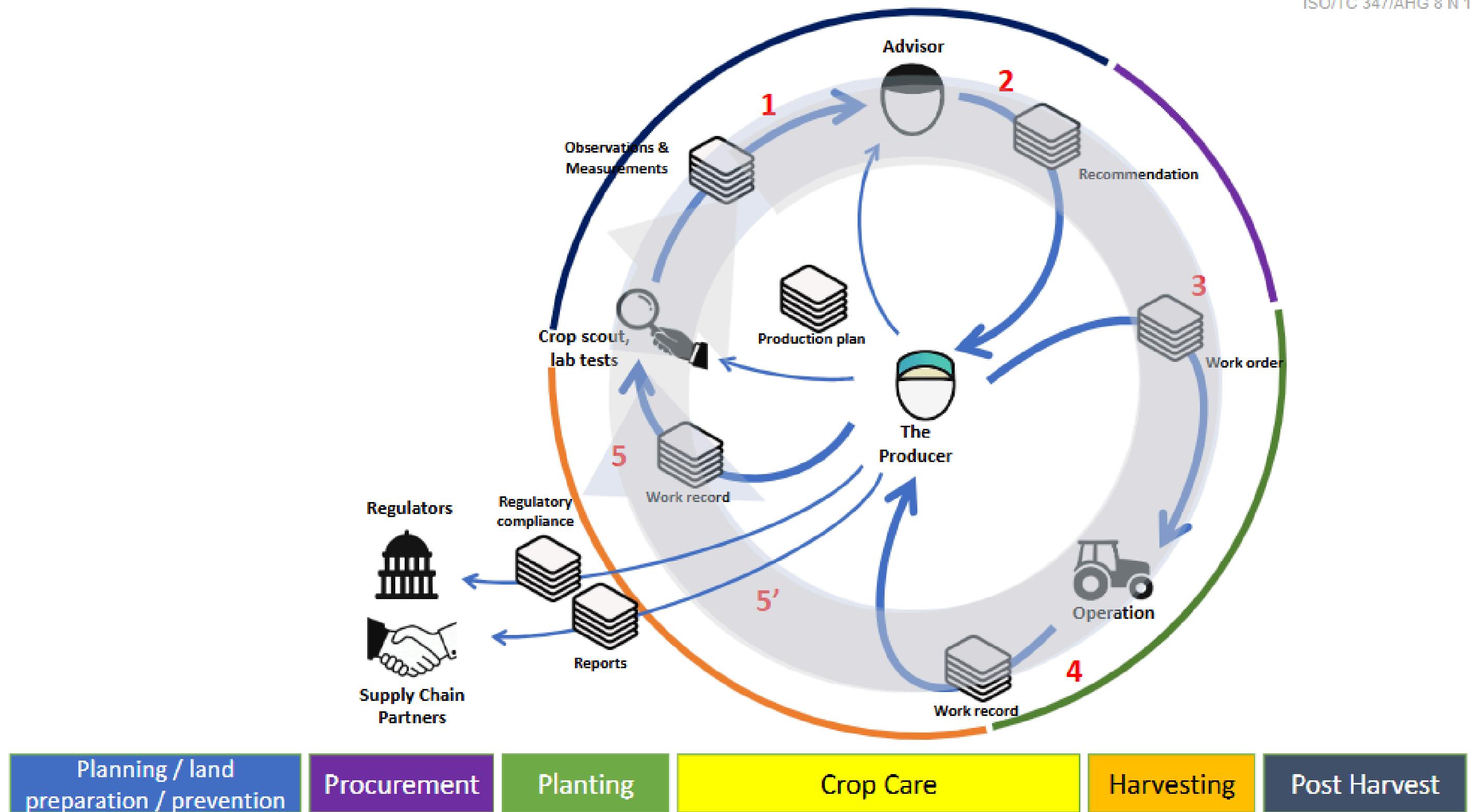
```
laim:Animal rdf:type owl:Class ;
  rdfs:subClassOf laim:BaseEntity ;
  rdfs:label "Animal"@en ;
  rdfs:comment "A living organism that feeds on organic matter, with specific needs for shelter, water, and food."@en .

laim:AnimalGroup rdf:type owl:Class ;
  rdfs:subClassOf laim:BaseEntity ;
  rdfs:label "Animal Group"@en ;
  rdfs:comment "A collection of animals that are managed together."@en .

# Specific Animal Types
laim:Cattle rdf:type owl:Class ;
  rdfs:subClassOf laim:Animal ;
  rdfs:label "Cattle"@en ;
  rdfs:comment "Bos taurus, domesticated bovine primarily kept for milk or meat."@en .
```

# ISO/TC 347/AHG 8 Digital land usage histories / field passports rolled vocabulary of crops

ISO/TC 347/AHG 8 N 17



ISO/TC 347/AG 1	<i>i</i>	Communications
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AGRICULTURA  
E PECUÁRIA**

