

# Narratives on livestock in the international climate agenda

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**Anouk Bassou**

MI Student at Sciences Po Paris

Supervised by

**Véronique Alary**, Cirad

**Marie Hrabanski**, Cirad

**Vincent Blanfort**, Cirad

**Isabelle Baltenweck**, ILRI

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Livestock and climate

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Framing the subject

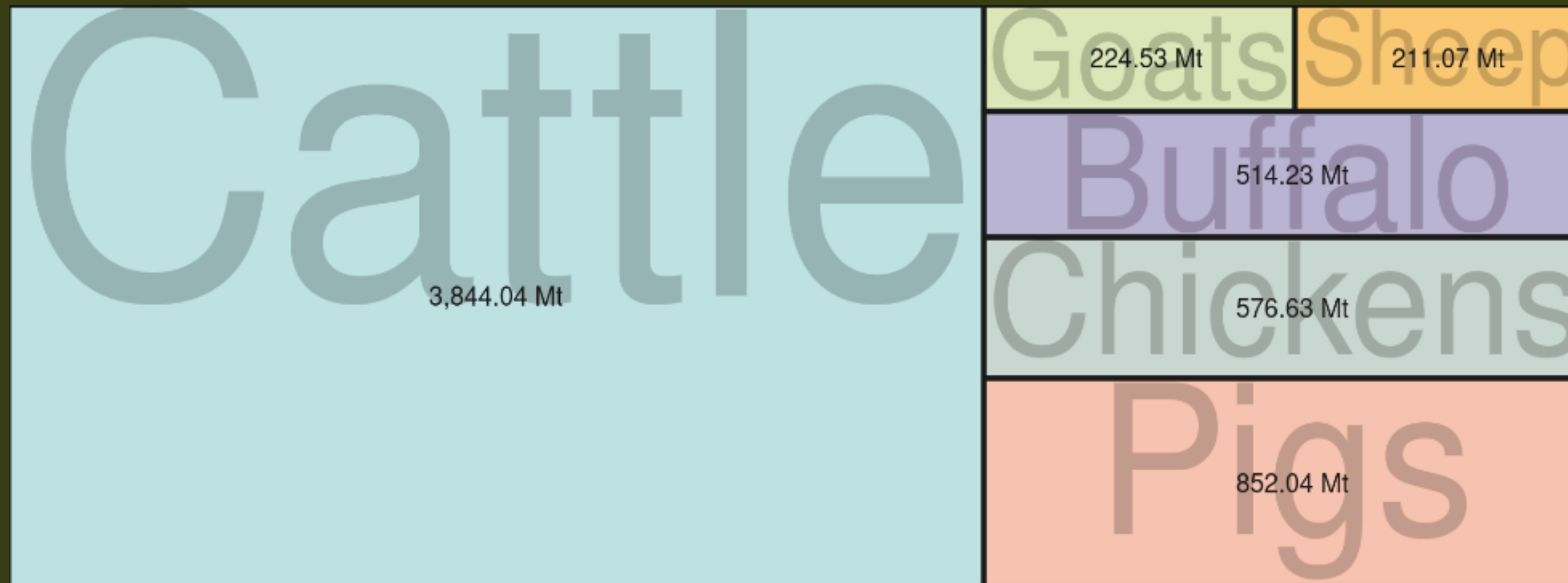
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IPCC narratives

4

Perspectives

# Livestock's impact on climate



Treemap of direct and indirect CO2 equivalent emissions per species in 2015.

Source : GLEAM (Global Livestock Environmental Assessment Model) Dashboard

**6.2 Gt CO2eq**  
of direct and indirect  
emissions

**12%**  
of global anthropogenic  
GHG emissions

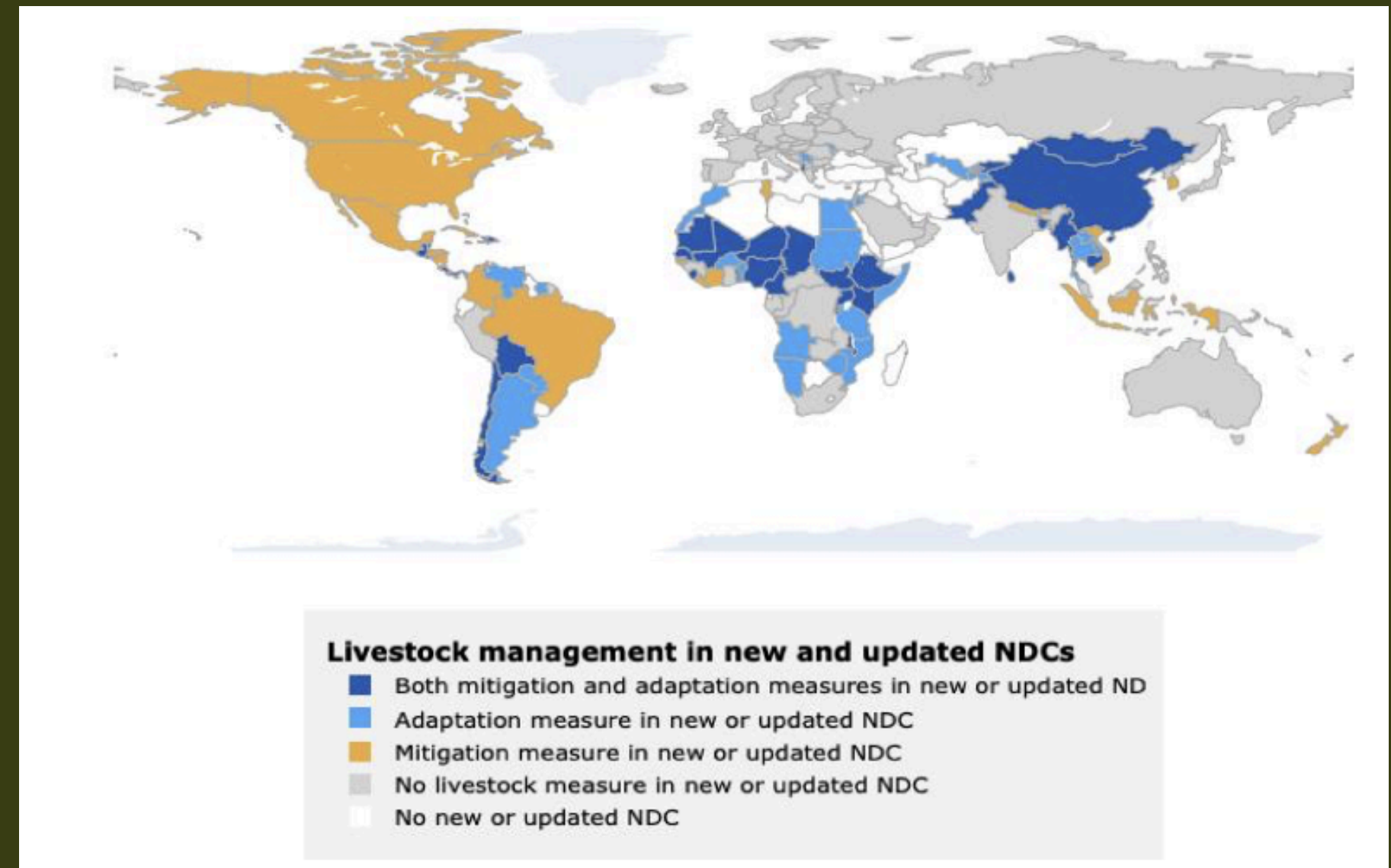
**3.6 Gt CO2eq**  
of direct emissions

# Livestock in the international climate agenda

in 2022

**164**  
Nationally  
Determined  
Contributions

**54%**  
mentioned livestock



Map of countries with livestock-related measures in their NDCs for 2022.

Research question

**What narratives on livestock are conveyed in the international climate agenda?**



# Conceptual framework

## Agenda

List of subjects to which special attention is given

## Agenda setting

Problem stream  
Policy stream  
Political stream

## Narrative

Gives meaning to a physical reality

# Livestock's long shadow

environmental issues and options

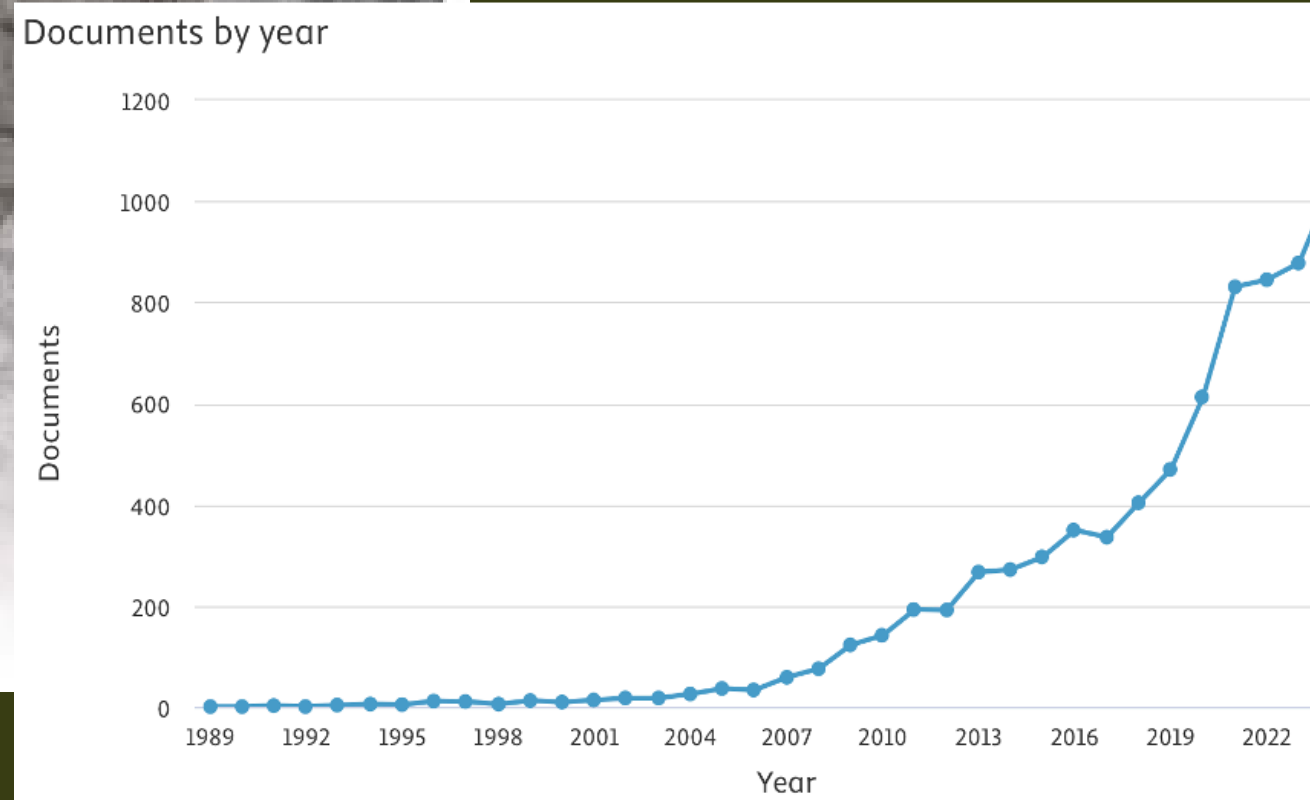
# Time framework

## 2000s to present day

Scopus bibliographic analysis

**2006**

*Livestock's Long Shadow, FAO*





# Spatial framework

International 1

Regional 2



# Methodology

Assessment  
Reports

**3 / 2001**

**4 / 2007**

**5 / 2014**

**6 / 2022**

## **Working Group II**

Impacts, Adaptation and Vulnerability

## **Working Group III**

Mitigation of Climate Change

**Summary for  
Policymakers**

**Technical  
Summary**

**« livestock »**

**« grazing »**

**« diet »**

# Quantitative analysis of the key words

	2001 AR3	2007 AR4	2014 AR5	2022 AR6
<b>Livestock</b>	10	17	14	30
<b>Diet</b>	0	6	11	47
<b>Grazing</b>	4	8	4	2

## Livestock

2001 to 2007  
2014 to 2022

## Diet

2022

# Qualitative analysis of the narratives

## 1st level

*Livestock as*

- 1. Vulnerable**
- 2. Adaptable**
- 3. Responsible**
- 4. Solution**

## 2nd level

*The solutions*

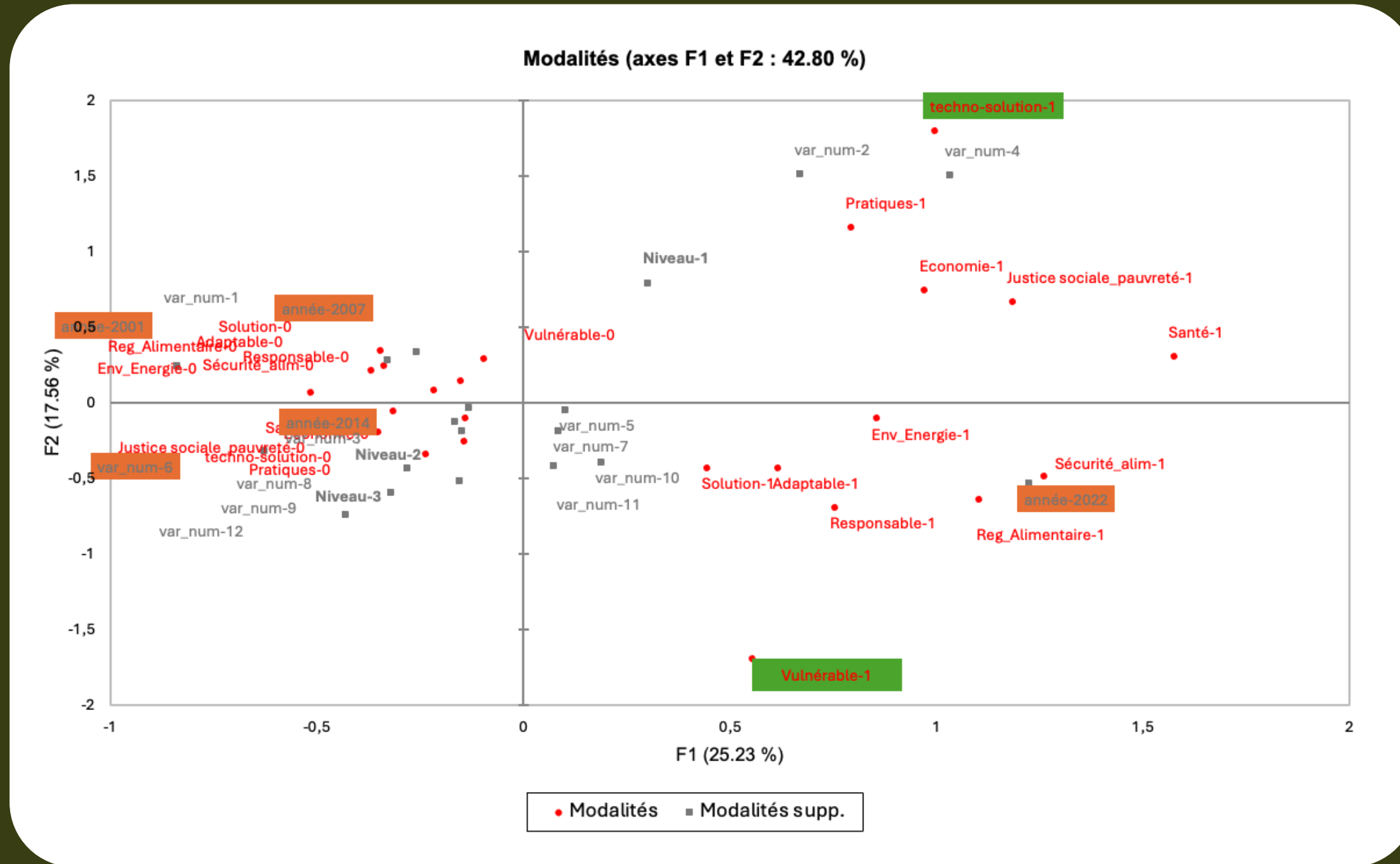
- 5. Practices**
- 6. Techniques**
- 7. Diets**

## 3rd level

*The related impacts*

- 8. Food security**
- 9. Health**
- 10. Environment & Energy**
- 11. Social justice & Poverty**
- 12. Economy**

# Qualitative analysis of the narratives



**2014**  
Techno-solution

**2022**  
Systemic issues

Representation of the two main axes of differentiation of the narratives over the last two decades (2001 to 2022).

1

# COPs

- 1 Identify COPs and initiatives
- 2 Official documents, Side events, Green Zone, Pavillons, Policy briefs
- 3 Stakeholders
- 4 Nationally Determined Contributions (NDCs)

2015	<b>COP 21</b> Paris	<ul style="list-style-type: none"> <li>• 4 per 1000 Initiative</li> </ul>
2017	<b>COP 23</b> Bonn	<ul style="list-style-type: none"> <li>• Koronivia Joint Work on Agriculture (KJWA)</li> </ul>
2021	<b>COP 26</b> Glasgow	<ul style="list-style-type: none"> <li>• Global Methane Pledge (GMP)</li> <li>• Glasgow Declaration on Forests and Land Use (GDFLU)</li> </ul>
2022	<b>COP 27</b> Sharm-el-Sheik	<ul style="list-style-type: none"> <li>• Sharm-el-Sheik joint work on Implementation of action on Agriculture and Food Security</li> <li>• Evolution of the narrative on livestock in the GMP</li> </ul>

# 2 Narratives per stakeholder

## Inventory of stakeholders

### International institutions

- Food and Agriculture Organization (FAO)
  - Livestock, Environment and Development (LEAD) Initiative
  - Pro-Poor Livestock Policy Initiative (PPLPI)
- World Food Programme (WFP)
- World Bank (WB)
- International Fund for Agricultural Development (IFAD)
- International Monetary Fund (IMF)
- United Nations Forum on Sustainability Standards (UNFSS)

### Intergovernmental organizations

- Organisation for Economic Co-operation and Development (OECD)
  - Co-operative Research Programme: Sustainable Agricultural and Food Systems (CRP)

### Research institutes

- Consultative Group on International Agricultural Research (CGIAR) / global partnership
- International Water Management Institute (IWMI) / within CGIAR

1. Chinese Academy of Sciences / Chine
2. INRAE / France
3. Wageningen University & Research / Allemagne
4. Commonwealth Scientific and Industrial Research Organisation (CSIRO) / Australia
5. International Livestock Research Institute (ILRI) / Kenya - International

→ *order of importance according to the Scopus literature review*

- International Institute for Applied Systems Analysis (IIASA) / Austria
- Tropical Agricultural Research and Higher Education Center (CATIE) / Costa Rica

2

# Narratives per stakeholder

## Inventory of stakeholders

### International NGOs and Civil society

- International Union for Conservation of Nature (IUCN)
- Conservation International (CI)
- World Wide Fund for Nature (WWF)

### Public governmental and intergovernmental agencies

- Swiss Agency for Development and Cooperation (SDC)
  - Capitalisation of Livestock Programme Experiences, India (CALPI)
- African Union/Inter-African Bureau for Animal Resources (AU/IBAR)

### Regional development agencies

- Asian Development Bank (ADB)
- African Development Bank (AfDB)
- European Bank for Reconstruction and Development (EBRD)
- InterAmerican Development Bank (IDB)
- Islamic Development Bank (IsDB)

### International professional organizations

- International Dairy Federation (IDF)
- International Egg Commission (IEC)
- International Poultry Council (IPC)
- International Meat Secretariat (IMS)

### Countries

### Private companies and foundations

2

# Narratives per stakeholder

## Inventory of international forums

### Climate forums

- Conference of the Parties (COP)

### Food forums

- World Food Forum (WFF)
- Global Forum on Food Security and Nutrition (FSN Forum)

## Inventory of groups of influence

### Consensus projects

- Global Agenda for Sustainable Livestock (GASL)
- Livestock Global Alliance (LGA) of the World Bank
- Inter-Agency Donor Group on pro-poor livestock research and development (IADG)
- Global Alliance for Climate-Smart Agriculture (GASCA)
- Livestock Environmental Assessment and Performance Partnership (LEAP)
- World Initiative for Sustainable Pastoralism (WISP)

### Influence initiatives

- Global Roundtable for Sustainable Beef (GRSB)
- Five nations beef alliance (FNBA)
- Global Dairy Platform (GDP)
- Global Dairy Alliance (GDA)



**3**

**Transnational  
epistemic  
communities**

**4**

**Storylines**

**5**

**Paradigms**

**6**

**International  
governance  
of livestock**

**7**

**Liberalization  
vs.  
Regulation**

**8**

**International agenda  
on biodiversity**

# Thank you !

**Anouk Bassou**

M1 Student at Sciences Po Paris

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