

Towards the global reference for feed LCA data: the Global Feed LCA Institute (GFLI)

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Outline

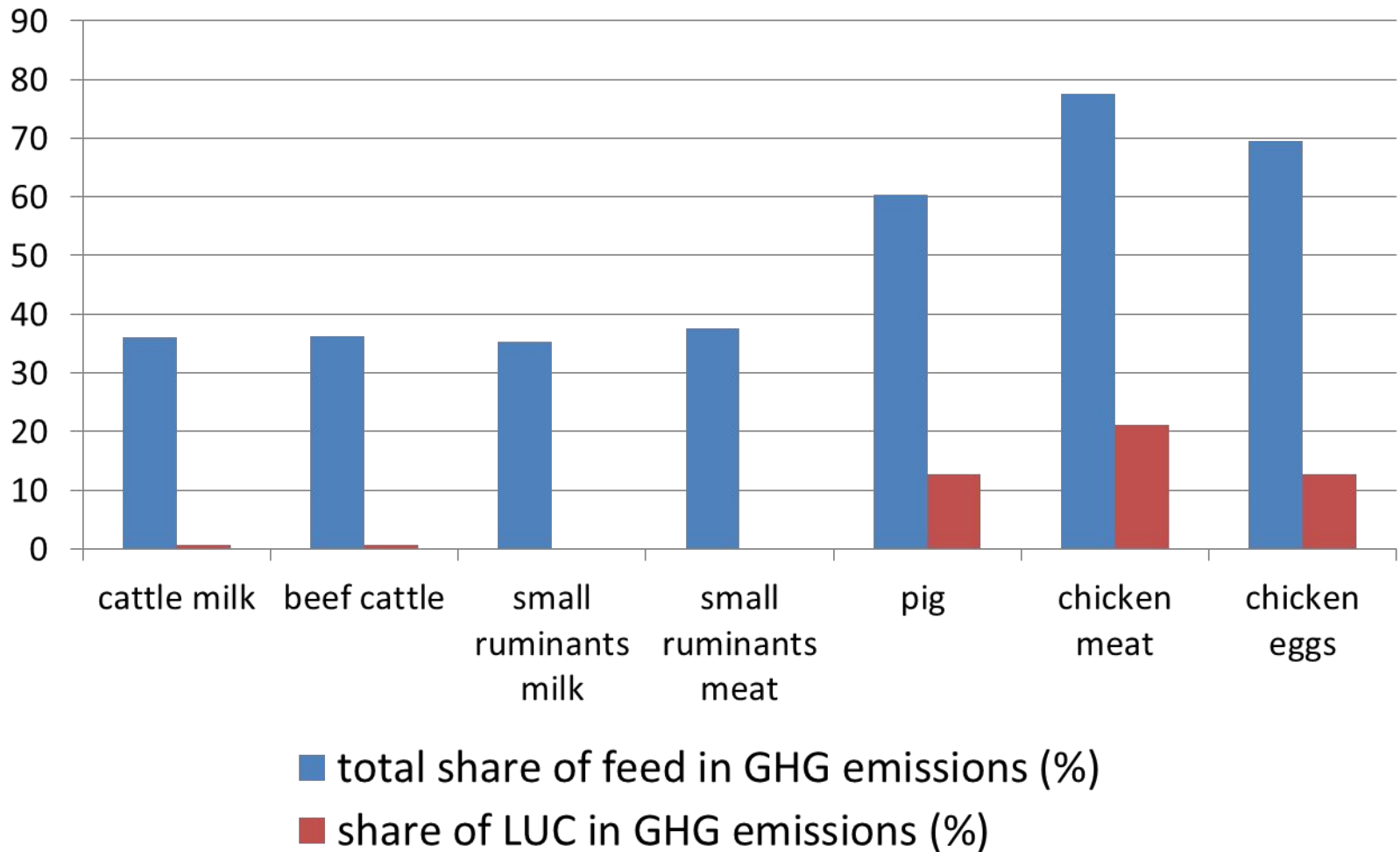
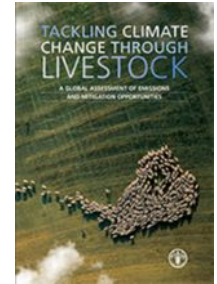
- Context and rationale
- Objectives and deliverables
- Methodological framework
- Scope for data collection
- Innovative governance mechanism
- Challenges

The need to measure the impact on the environment

- Feed and livestock industry under pressure
- Need to communicate on reliable figures
- No green washing
- Common methodology is pre-competitive
- Sustainable development is an opportunity !



Feed production represents 45% of the carbon footprint of livestock products globally (FAO)



The data paradox: Rubbish in Rubbish out

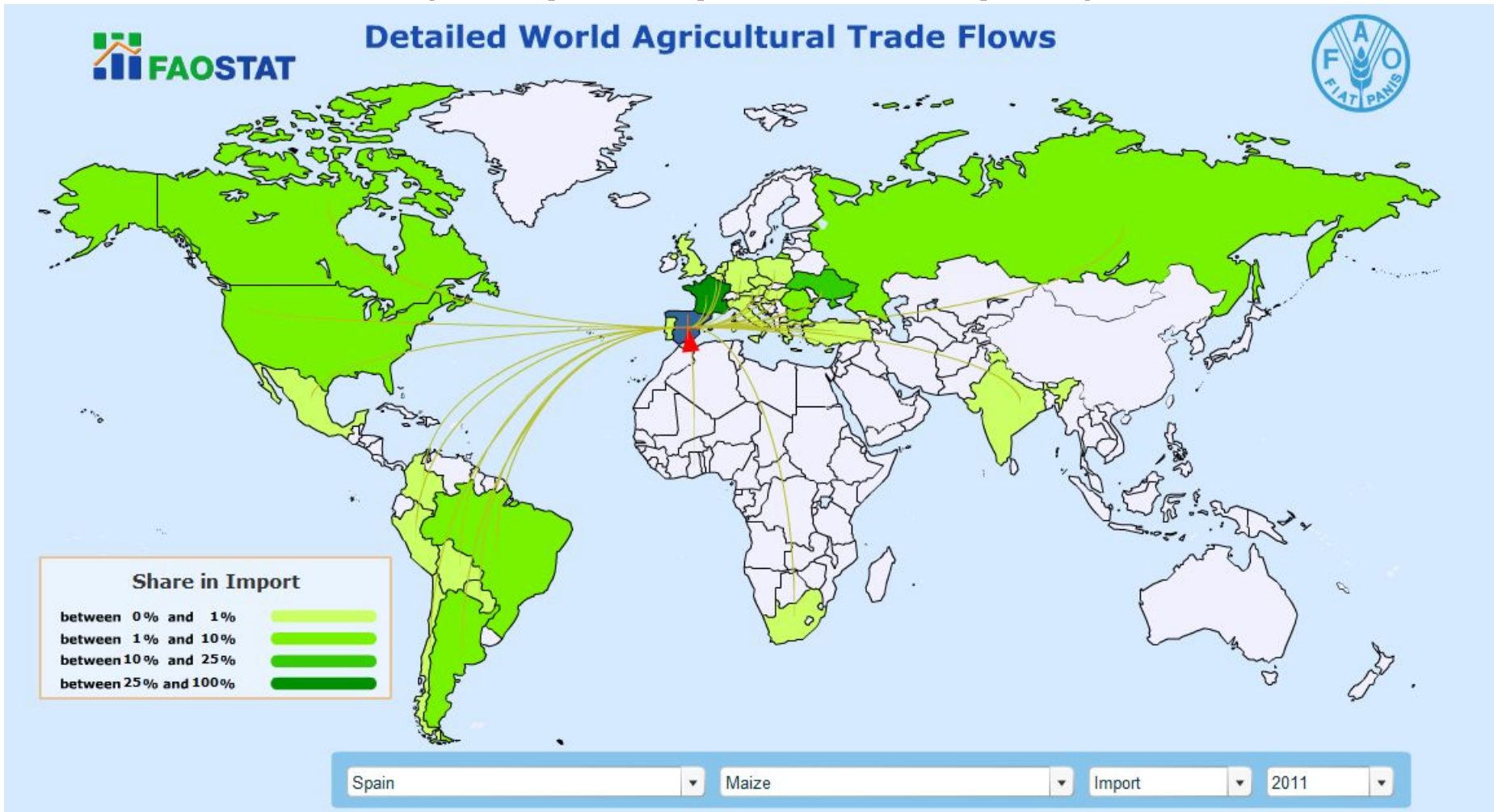
	Typical Time budget of current feed/ivestock LCA	Typical Impact on results of the LCA
Data collection		
primary data	40%	20%
secondary data	10%	80%
Data processing and calculation	10%	
Interpretation	10%	
Reporting		
data handling documentation	15%	
dradting text and figures	15%	

Source: Blonk Consultants

Livestock feed supply chains



Feed supply chains are global so we need a global response (example of Spain maize imports)



Source: FAOSTAT <http://faostat.fao.org/DesktopModules/Faostat/WATFDetailed2/watf.aspx?PageID=536>

What do we need to do?

- Build the global reference for feed LCA data
- Global level
- Cooperation between feed industry and its supply partners
- Livestock supply chains

What is at stake?

- Credibility
- Transparency
- Reliability
- Consistent reporting
- Capacity to demonstrate continuous improvement

Global Feed LCA Institute (GFLI)

- **Support continuous improvement:** Develop specific solutions to assess and validate environmental performance
- **Communication:** Promote and improve the communication of environmental performance
- **Transparency and understanding:** Increase understanding and knowledge around environmental issues within feed industry community
- **FREE access for users is a key factor of success**

GFLI mission

- implement the internationally recognized FAO/LEAP methodology by developing a high quality globally recognized and harmonized public database to support meaningful LCAs of livestock products

GFLI mission

- Develop and build a feed specific publicly available (free) LCA tool to facilitate environmental assessments and the measurement of continuous improvement, which is both comparable and measurable across world regions.

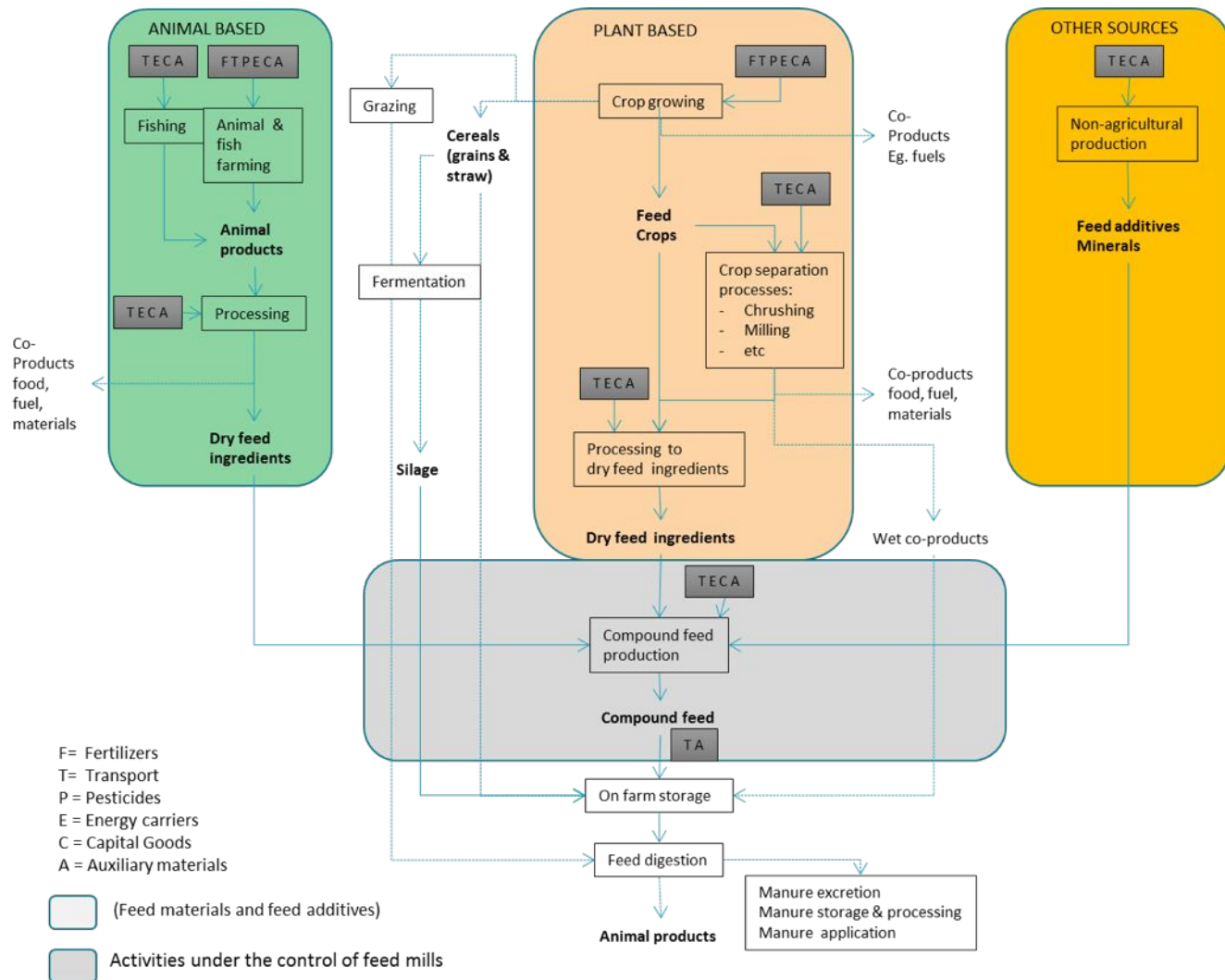
GFLI deliverables

- Public database with high quality secondary data for
 - Feed mills
 - Processing of feed ingredients
 - Transportation
 - Cultivation
- LCA tool
 - Identification of areas of concern
 - Explore & identify areas for improvement
 - Training & education

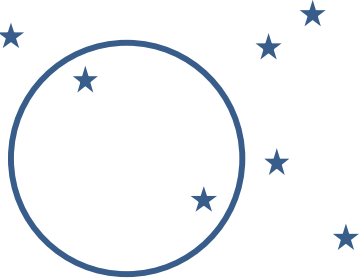
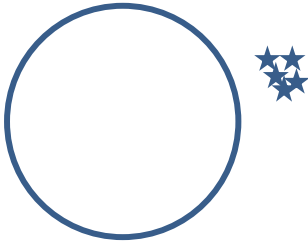
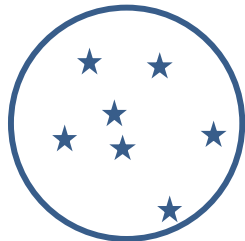
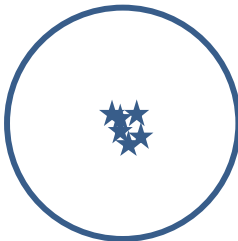
Starting points (methodological framework)

- Methodology
 - [FAO/LEAP Feed LCA Guidelines](#)
 - [Feed PEFCR \(ongoing PEF pilot\)](#)
- LEAP feed crops database
- FEFAC and AFIA database processed feed ingredients
- Feedprint project from the Netherlands: tool and database for exploratory LCA (GHG, fossile energy use and land use)
- Possibility to link with other initiatives

Scope of the GFLI database



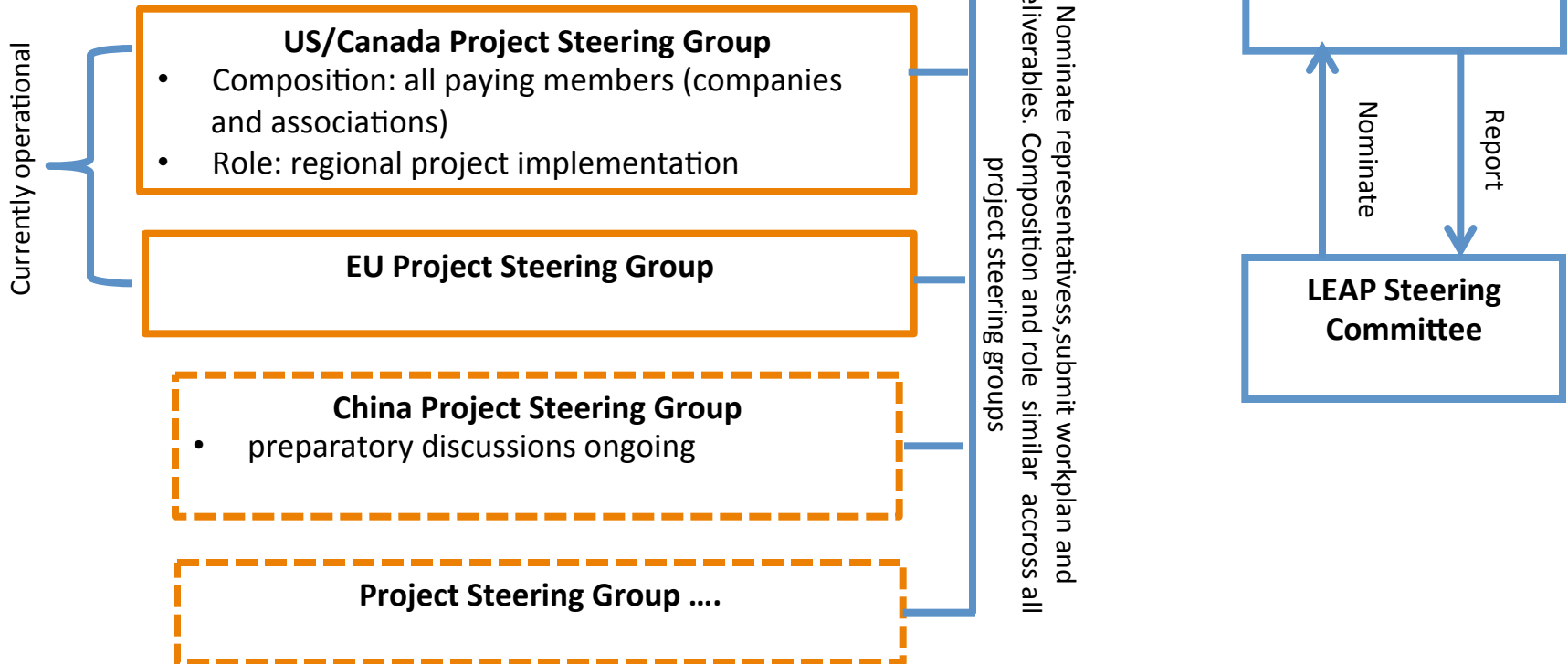
LCA approach:
better be imprecisely accurate than
precisely inaccurate

	Imprecise	Precise
Inaccurate		
Accurate		

Global Feed LCA Institute: consortium of companies and associations

GFLI Management Board

- **Composition:** GFLI Chairman, IFIF representative, Representatives of all Project Steering Groups, FAO representative with observer status
- **Role:** Vision, budget, coordination of Project Steering Group activities, approval of deliverables, ensuring the successful and timely completion of deliverables, promotion and expansion



Innovative Governance Mechanism

- Project based (region, country or sector)
- Autonomy for each project steering group
- Consistency ensured by Management Board
- Guidelines applicable for all projects
- Synergies and economies of scale

GFLI Participation: status

- Participation is open to any private or public organization sharing the objectives of the project and willing to contribute financially
- US/Canada Project Steering Group is operational
- EU Project Steering Group is operational
- Preparatory discussions are ongoing for China Project Steering Group
- Add additional countries, regions & sectors

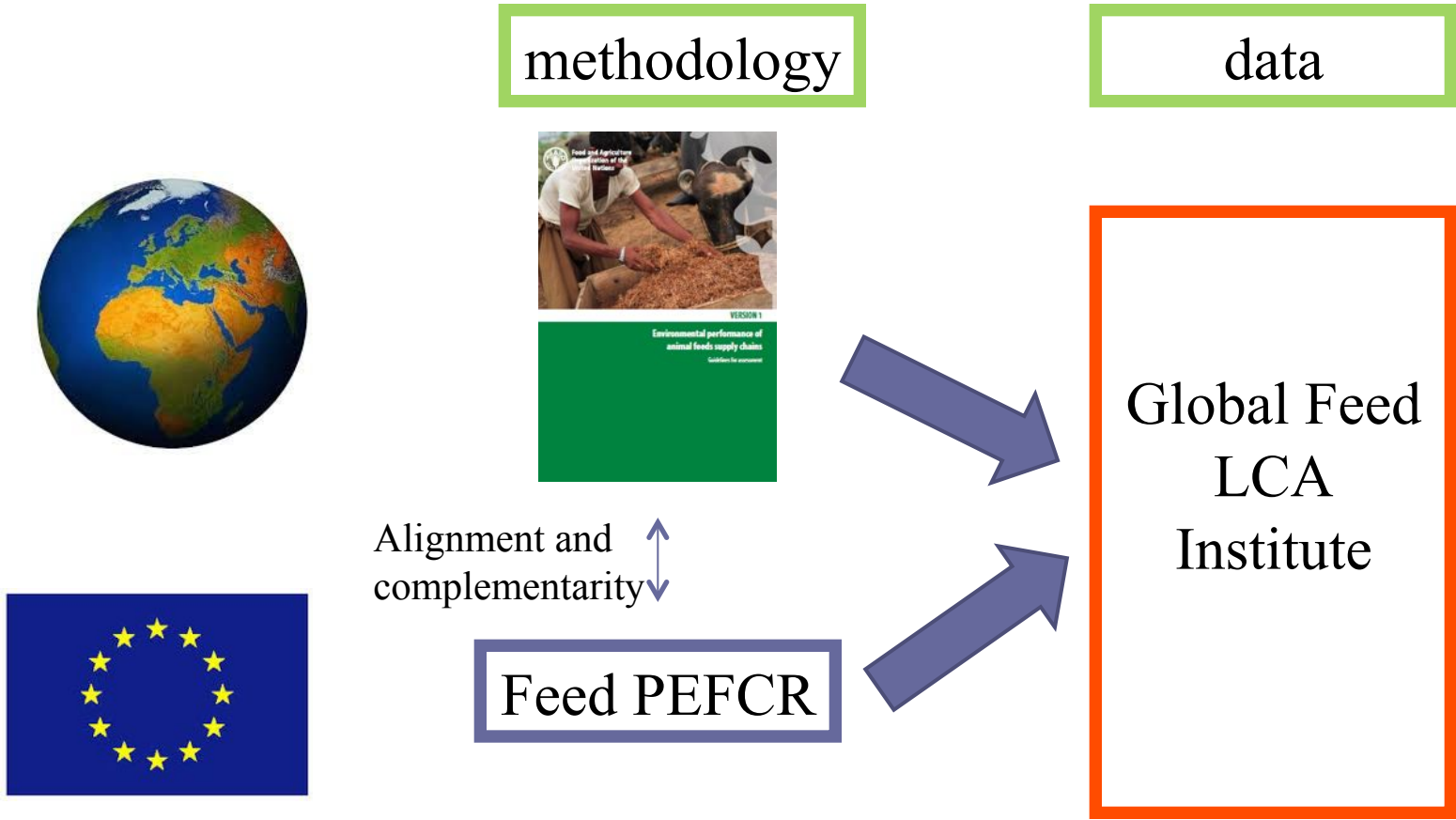
GFLI members



Challenges

- Geographical coverage
- Data format
- User friendliness
- Time
- And probably many more...

Concrete synergies for environmental footprinting !



Walking on the road to sustainable feed for sustainable food



Thank you for your attention
Questions? nmartin@fefac.eu