



International
Feed
Industry
Federation

IFIF Sustainability Project (SFIS Project)



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IFIF's Vision

One global voice for our industry



“IFIF’s vision is to provide a unified voice and leadership to represent and promote the global feed industry as an essential participant in the food chain that provides sustainable, safe, nutritious and affordable food for a growing world population.”

IFIF's Mission

- Represent the global feed industry with international governmental organizations and agencies, including the FAO, WTO, WHO, OIE and CODEX Alimentarius, on crucial global feed and food issues.
- Promote science-based solutions and information sharing for the feed industry by facilitating global forums, such as the Global Feed & Food Congress (GFFC) and the International Feed Regulators Meeting (IFRM).
- Promote a balanced regulatory framework to support a fair global playing field, facilitate market access and support the competitiveness of the feed and livestock industries.
- Expand the global network of national and regional feed associations and promote the adoption of international standards and global equivalency.
- Continue to support and encourage the sustainable development of animal production.

The EU Association representing the industry of Speciality Feed Ingredients and their Mixtures

- 96 companies, **from multinationals to SMEs**: producers, traders, premixers



- **Various categories** of feed additives and feed materials used for a specific function (other than basic nutrition)



- **Represents the SFI industry** – engaging with EU institutions and stakeholders towards a fair and competitive market



- **Regulatory and enforcement activities** promoting feed and food safety



FEFANA pillars/priorities



Animal Feed Industry



Feed Safety Management



Animal Nutrition



Sustainability

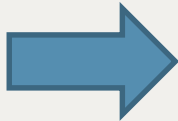


Innovation



Objectives

- Harmonised Model
- Life Cycle Assessment approach
- Environmental footprint
- Specialty Feed Ingredients



**Product Category Rule
Communication on Specialty Feed Ingredients**

Set-Up

- Associations
- Companies
- Consultant
- Scientific Panel
- Review Panel



Expertise in:

- Nutrition
- Life Cycle Analysis

Science Based approach

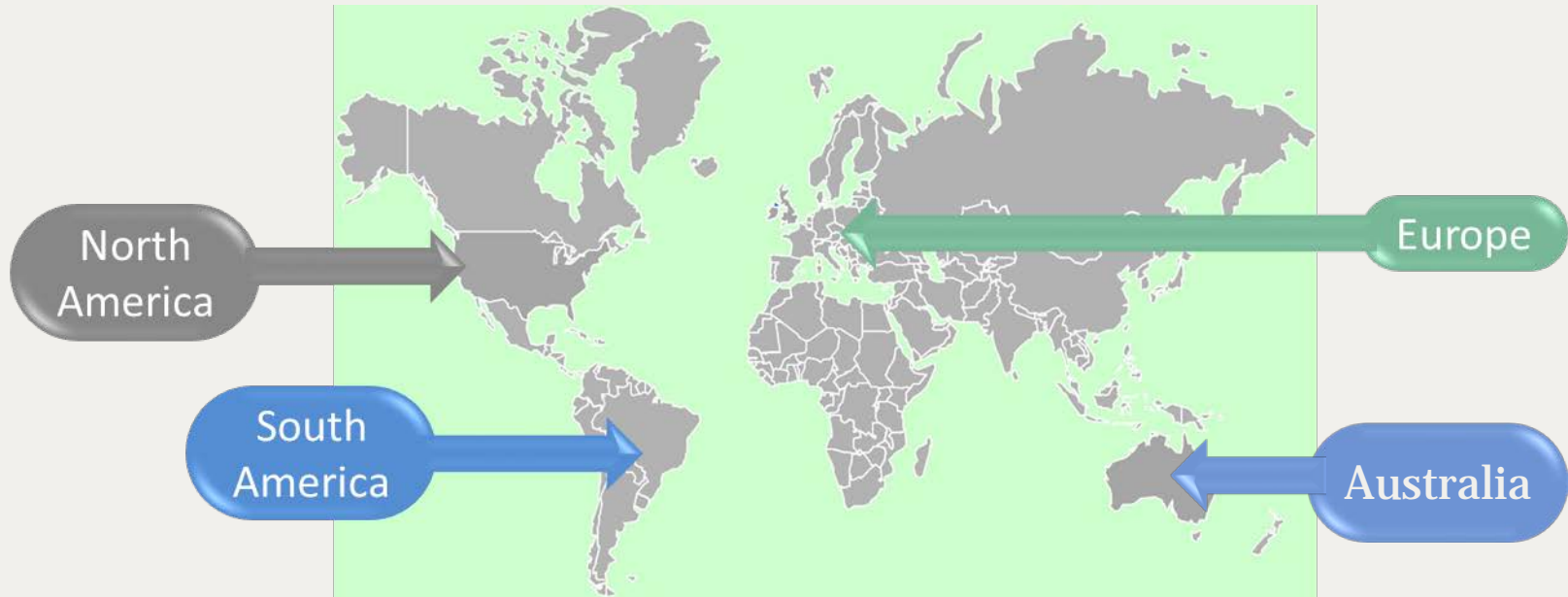
Members involved

Full Members	Associations	Observers
<ul style="list-style-type: none"> • AB Vista* • Adisseo France SAS* • ADM* • Ajinomoto * • BASF • Delacon ** • DSM • Dupont • Evonik • Novus • Perstorp ** 	<ul style="list-style-type: none"> • AFIA • FEFANA • FIAAA** • IFIF • SFMCA ** • Sindirações* 	<ul style="list-style-type: none"> • Alltech* • Nutreco* • Taminco* • InVivo*

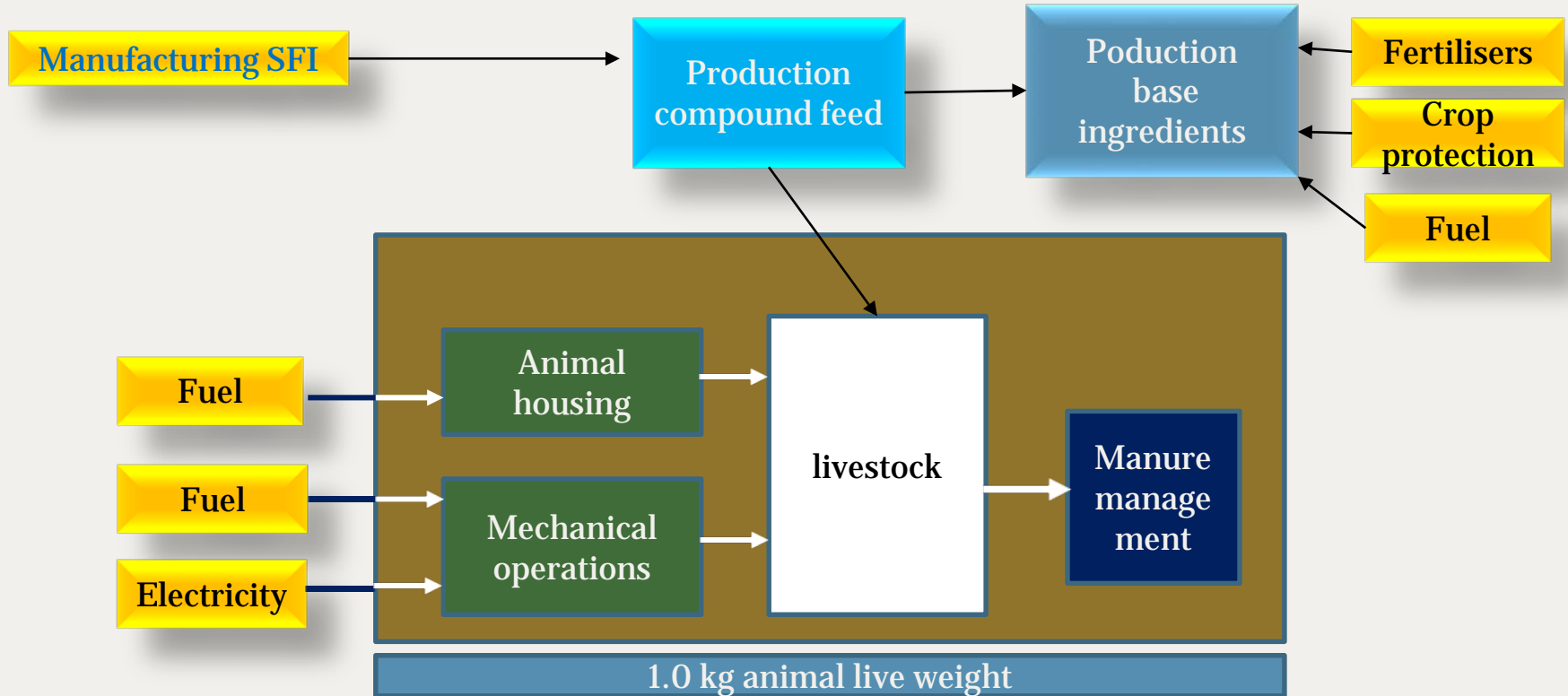
*: only phase 1, **: only phase 2

SFIS - Geography






Different Feeding Systems / Technical Results








SFIS – Boundaries



SFIS - Diets

Poultry		
Basic Feed	Feed + AA + Phy	Feed + AA + Phy +
		
	Lysine	Lysine
	Methionine	Methionine
	Threonine	Threonine
	Phytase	Phytase
		

Pigs		
Basic Feed	Feed + AA + Phy	Feed + AA + Phy +
		
	Lysine	Lysine
	Methionine	Methionine
	Threonine	Threonine
	Tryptophan	Tryptophan
	Phytase	Phytase
		

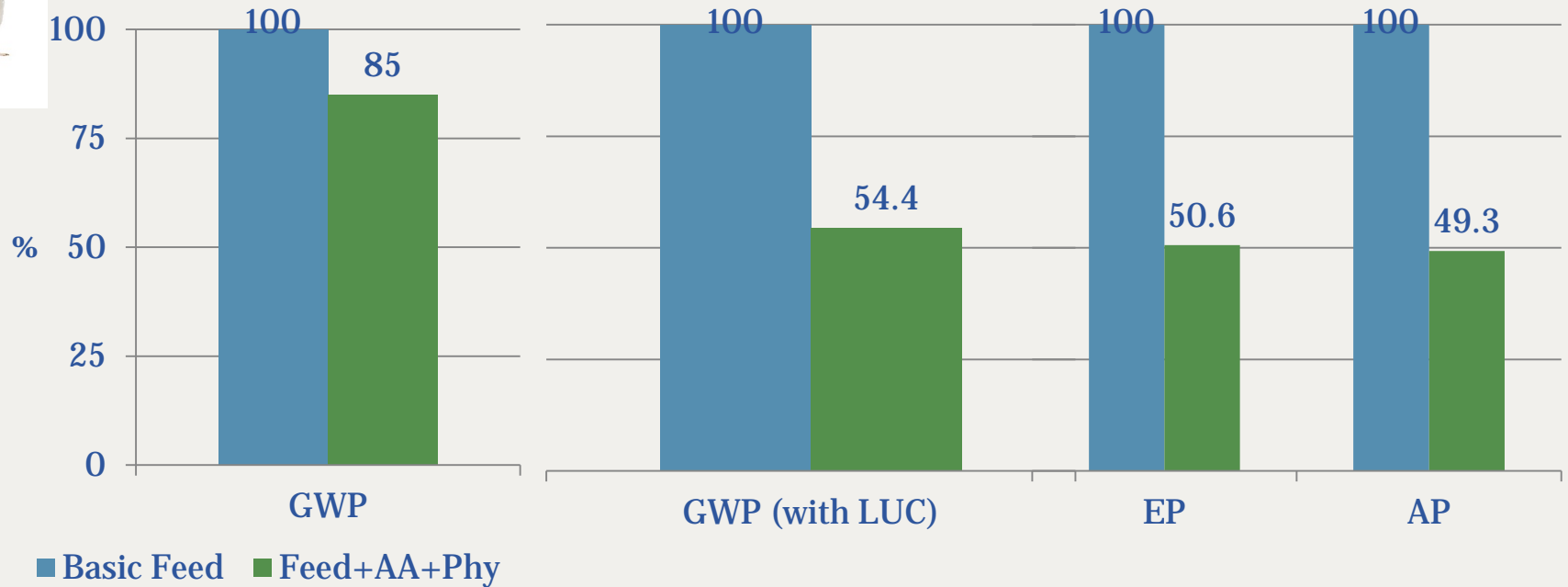
SFIS – Environmental impacts

- Global Warming Potential (GWP)
- GWP with Land Use Change (GWP (LUC))
- Eutrophication Potential (EP)
- Acidification Potential (AP)
- Primary Energy Demand (PED)

SFIS Phase 1 - Results



Europe



SFIS Phase 2 – Products Tested

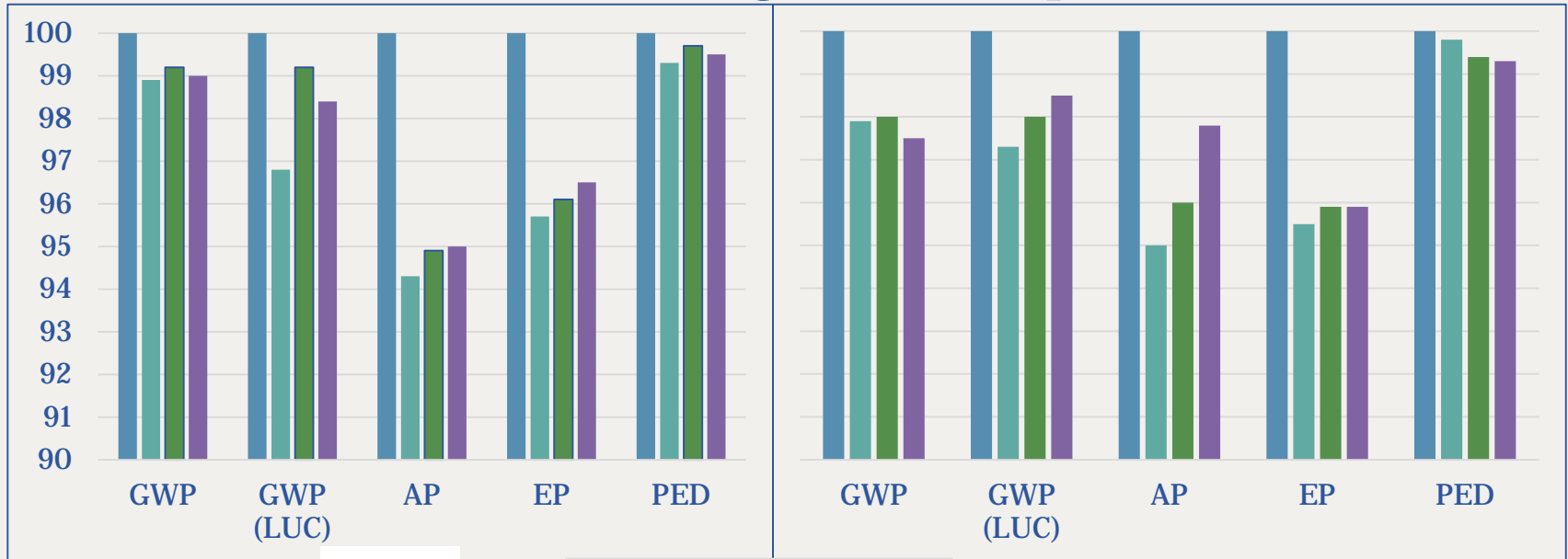
- Probiotics
- Non-Starch Polysaccharides enzymes (xylanase + glucanase)
- Proteases
- Organic acids
- Phytogetic substances (mixtures)

SFIS - Approaches

- Modification of feed formulation
- Increase energy content of the diet (improvement of Feed Conversion Rates)
- Modification of performance parameters (Feed Conversion Rate, Mortality, Growth)

**Based on scientific
publications**

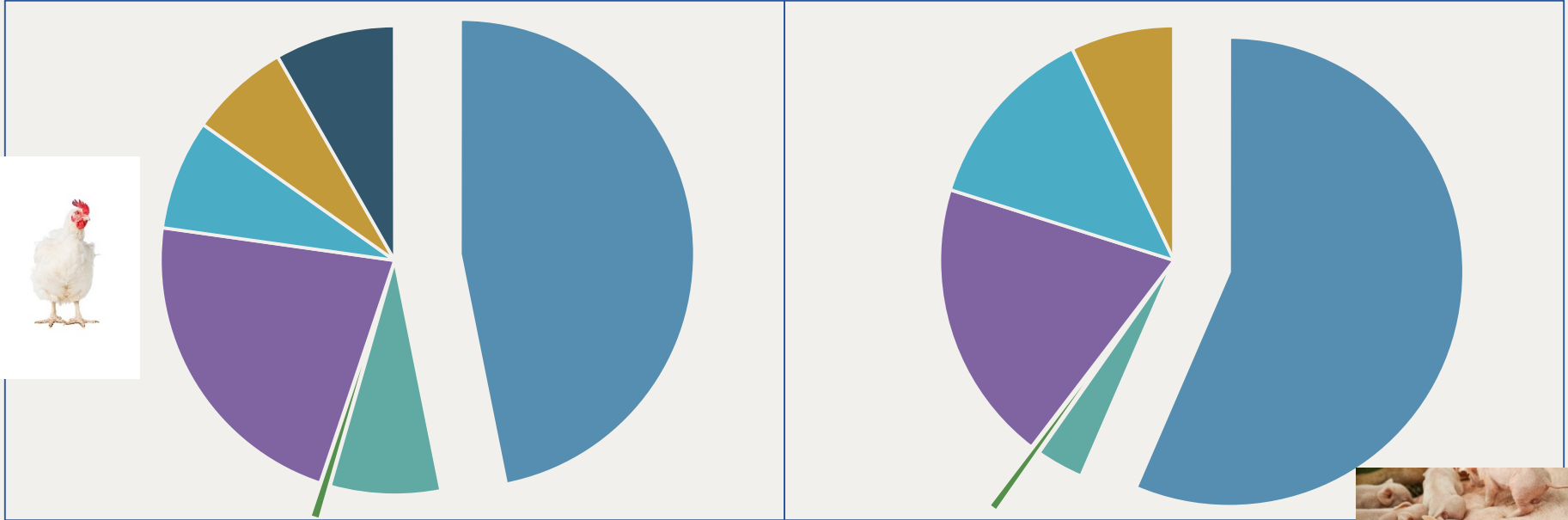
SFIS Phase 2 - Regional Comparison



■ Baseline ■ EU ■ USA ■ AU



SFIS Phase 2 - Contribution Analysis



- Feed Composition
- SFIS production
- Manure
- Hatchery

- Feed Mill
- Animal and Housing
- Transport

SFIS Phase 2 - Variations of Results



■ Baseline ■ Minimum ■ Maximum

SFIS - Conclusion

- An harmonized methodology is in place
- Reflect the importance of the following impacts:
 - Feed Composition
 - Feed Digestibility
 - Feed Efficiency
 - Animal Performance optimization
- Affecting:
 - Feed Environmental Footprint
 - Nutrient Excretion

$$\text{Nutrient}_{\text{excreted}} = \text{Nutrient}_{\text{intake}} - \text{Nutrient}_{\text{retained}}$$

Documents

- Results of Phase 1
- Product Category Rules
- Publication of the phase 1 results

www.ifif.org

IFIF



Feed the world

**International
Feed
Industry
Federation**



Thanks for your attention

