



Introduction to LEAP Guidelines
Rome, 6 March 2014
Carolyn Opio, LEAP Secretariat- FAO

The LEAP LCA Sector Specific Guidelines



3 draft sector specific guidelines

- Poultry
- Small ruminants
- Animal feed

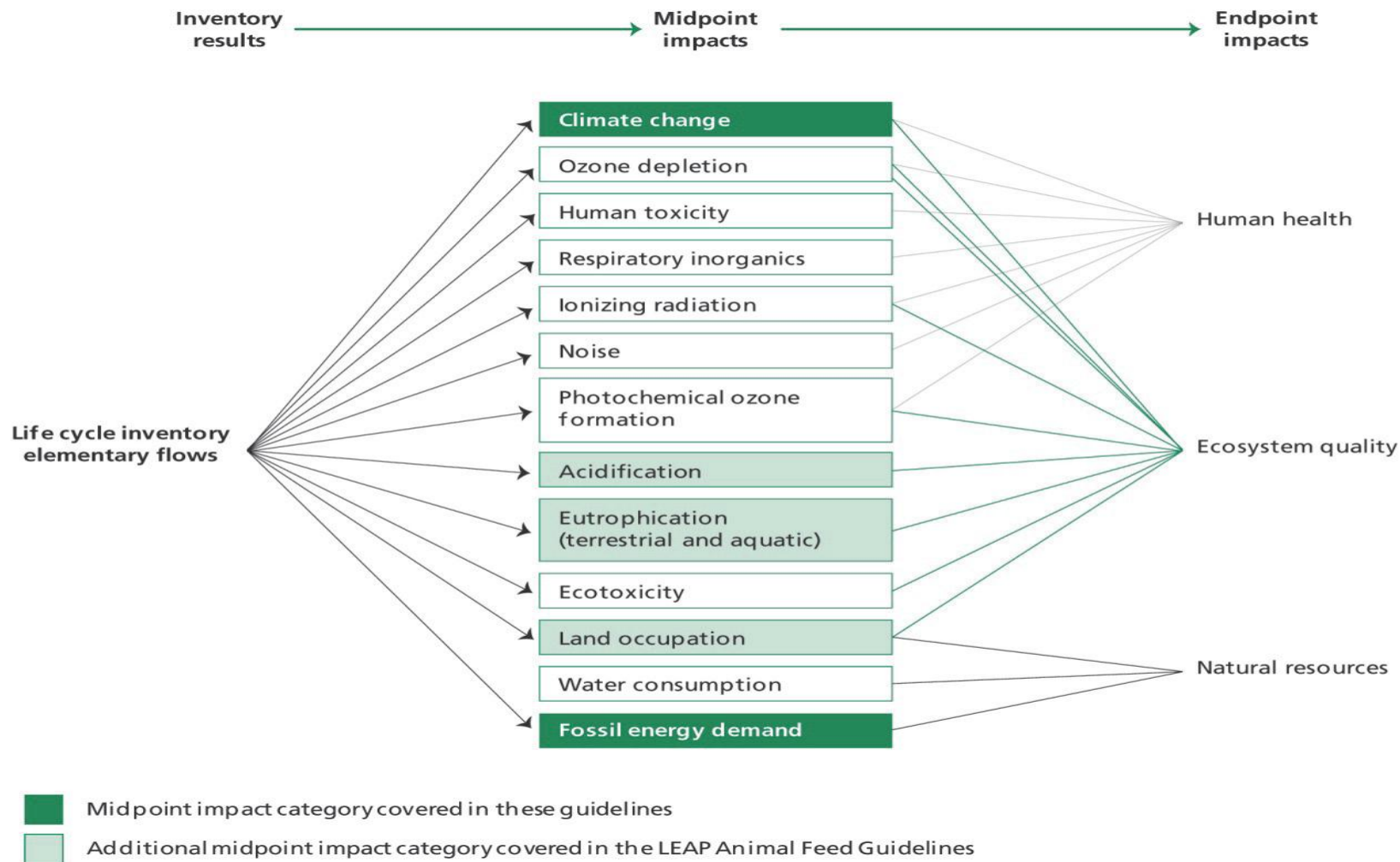
Purpose:

To support the harmonization in measuring and monitoring the environmental performance of livestock supply chains.

Who is it intended for ?

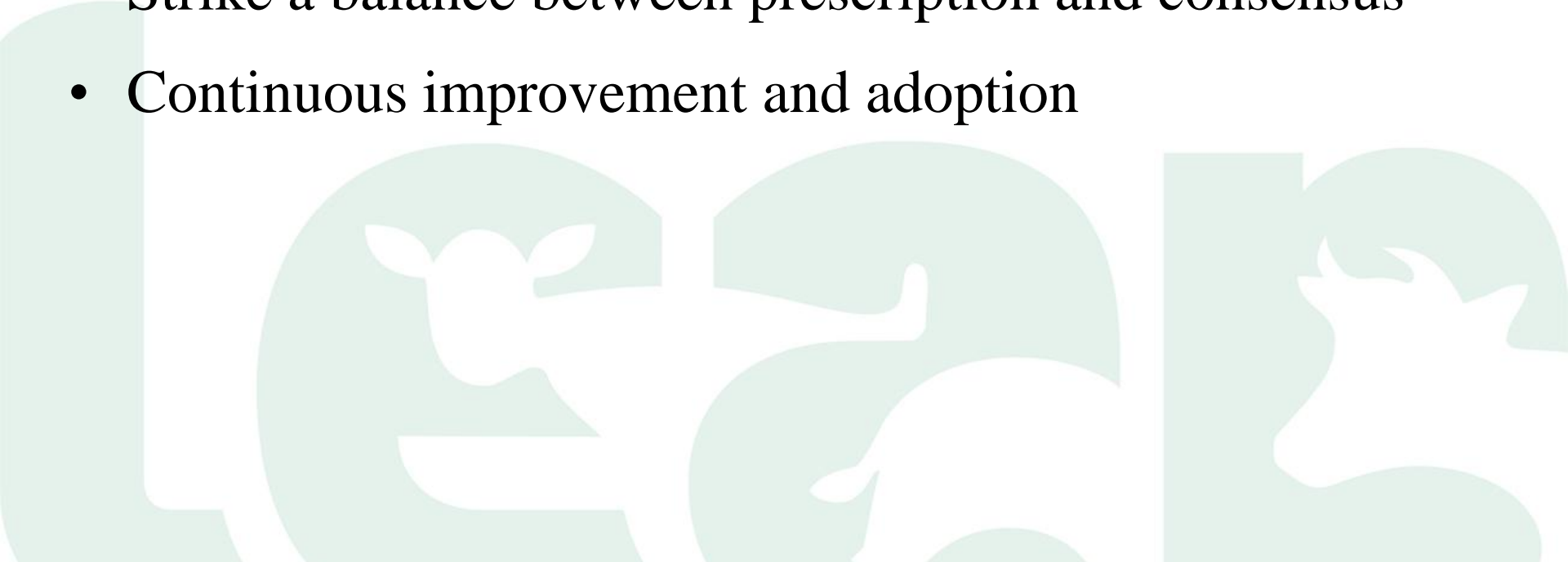
- wide array of stakeholders in livestock sector
 - Livestock producers
 - Supply chain partners
 - Policy makers: accounting and reporting specifications
- primary users: individuals or organizations with a good working knowledge of life cycle assessment approach
- decision support tool: from policy to product decisions, and sourcing of inputs

Scope and application: selected impact categories



Process of development

- Inclusive and transparent multi-stakeholder process
- Build on existing approaches and standards
- Strike a balance between prescription and consensus
- Continuous improvement and adoption



Process of development: Technical Advisory Group

- Theun Vellinga (Wageningen University, Netherlands)
- Sophie Bertrand (Centre National Interprofessionnel de l'Economie Laitière, International Dairy Federation)
- Nicolas Martin (European Feed Manufacturers' Federation, FEFAC)
- Hans Lutikholt (National Oilseed Processers Association (US) and EU Vegetable Oil and Protein meal Industry)
- Bruno Caputi (Sindicato Nacional da Indústria de Alimentação Animal – SINDIRAÇÕES, Brazil)
- Hayo van der Werf (French National Institute for Agricultural Research, France)
- Li Yue (Institute of Environment and Sustainable Development for Agriculture, Chinese Academy of Agricultural Sciences)
- Raghavendra Bhatta (National Institute of Animal Nutrition and Physiology, Bangalore)
- Salil Arora (American Feed Industry Association, AFIA)
- Bernard A. Lukuyu (International Livestock Research Institute, Kenya)
- Thumrongsakd Phonbumrung (Department of Livestock Development, Thailand)
- Paul Crosson (Teagasc)
- Heinz Meissner (South Africa)
- Anna Flysjo (Arla Foods)
- Hans Blonk (Blonk Consultants)
- Stewart Ledgard (AgResearch, New Zealand)
- C. Devendra, (Independent Consultant, Malaysia)
- Marc Benoit, (French National Institute for Agricultural Research, France)
- Jean-Baptiste Dollé (Institut de l'Elevage, France)
- Armelle Gac (Institut de l'Elevage, France)
- Beverly Henry (Queensland University of Technology, Australia)
- Christopher Lloyd (Organisation for the English beef and sheep industry, EBLEX, UK)
- Hans-Peter Zerfas (World Vision, Germany)
- Greg Thoma (University of Arkansas)
- Stephen Wiedemann (FSA Consulting, International Egg Commission, International Poultry Council, Australian Chicken Meat Federation, Australia)
- Julio Cesar Pascale Palhares (Embrapa Pecuária Sudeste, Brazil)
- Md. A. Saleque (International Network for Family Poultry Development, Bangladesh)
- Masayuki Kanzaki (Japan Environmental Management Association for Industry, Japan)
- Missohou (Ecole Inter-Etats des Sciences et Médecine Vétérinaire de Dakar, Senegal)
- Ilias Kyriazakis (University of Newcastle, International Poultry Council, International Egg Commission, British Poultry Association, United Kingdom)
- Jason Gittins (ADAS, United Kingdom)
- Jamie Burr (Tyson Foods Inc., United States)

Process of development

- Remote working (teleconferences, email, videoconferences, etc.); interactions within and between the TAGs; TAGs and Secretariat
- Face-to-face meeting of TAG (Rome)
- Workshops
 - Animal feeds workshop in China hosted by CAAS (10 developing countries)
 - Small ruminants and animal feeds draft guidelines - Annual Global Pastoralist Gathering in Nairobi (IUCN-UNEP, Global Agenda for Sustainable Livestock)

Process of development: review

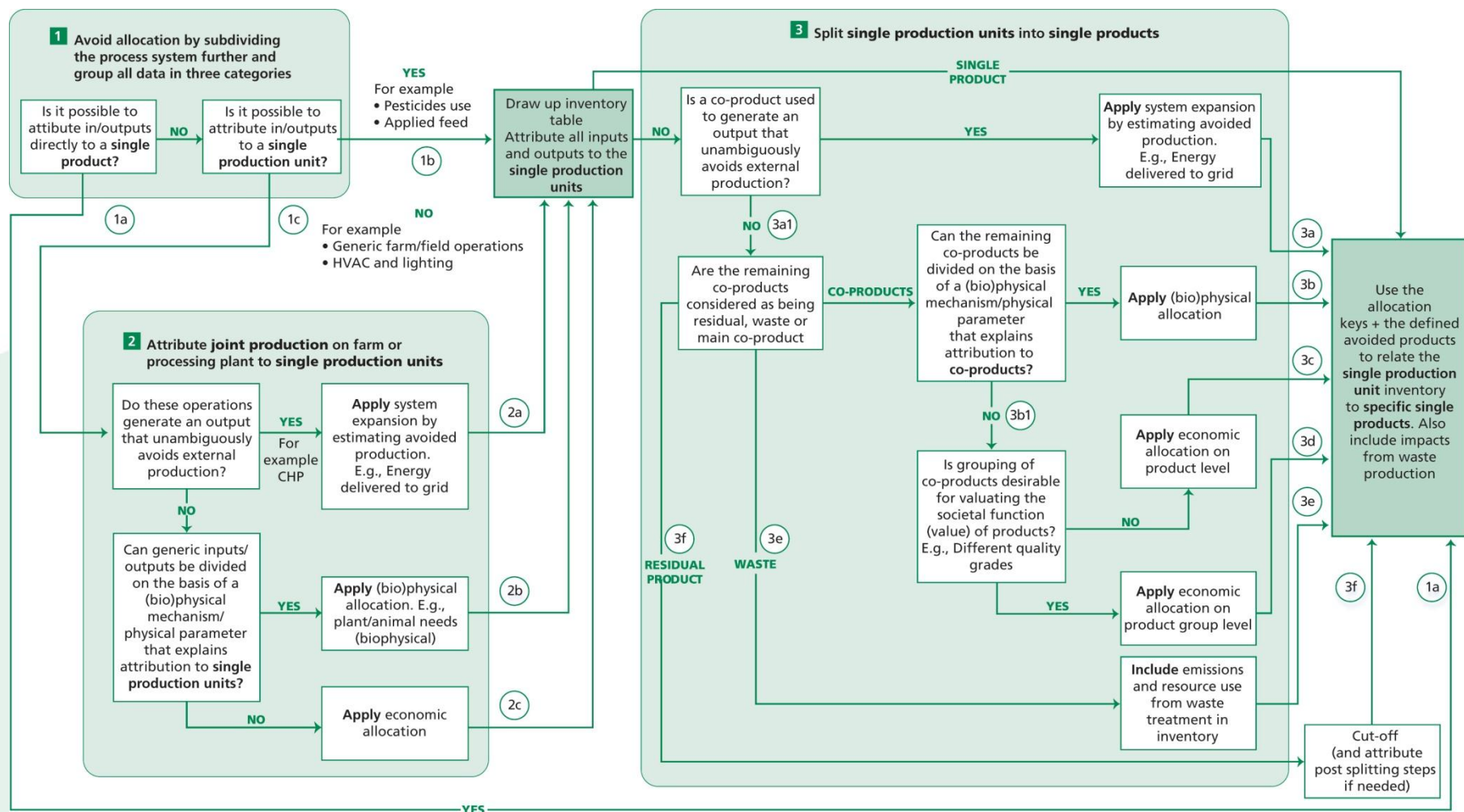
- LEAP partners (Steering Committee) and their membership
 - Sector stakeholders (meat, milk, eggs, poultry, feed)
 - Governments
 - NGOs-CSOs
 - Standard bodies (e.g. ISO)
- External reviewers: Carbon Trust, WRI, SIK,

Process of development

- Inclusive and transparent multi-stakeholder process
- Build on existing approaches and standards
 - ISO standards, PAS2050, etc.
- Adoption and continuous improvement



THE DECISION TREE FOR ALLOCATION



Structure

PART A

INTRODUCTION

Background information

- Target audience, use and applicability of guidelines
- Scope of the guidelines
- Process of development (current and future)
- General principles
- Background information on the supply chain

PART B

GUIDANCE SECTION

Best available practice for each of the steps involved in an LCA study

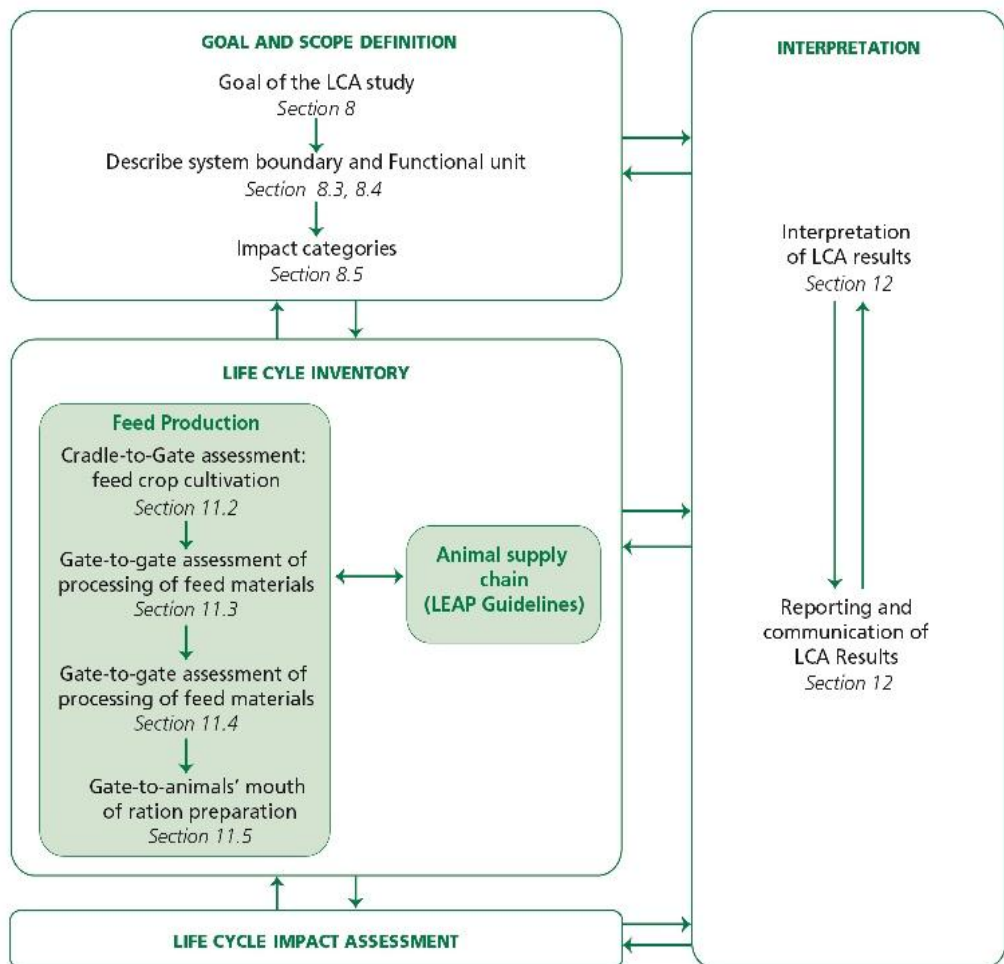
- Definition of products
- Clear guidance on:
 - setting goals and scope, boundaries, functional units, impact categories
 - identifying relevant emissions sources
 - dealing with multifunctional processes and allocation
 - establishing the life cycle inventory and managing inventory quality
 - interpretation and communication of results

APPENDICES

Supplementary information

- Additional information on key issues relevant to supply chain
- Case studies
- Data, relevant data sources, templates for collection of data, etc...

Complementarity between guidelines



- Not stand alone documents
- Animal guidelines and feed guidelines provide a comprehensive guidance to assessment of supply chains
- Common areas where they converge:
 - allocation principles, land use and land use change, requirements for data, interpretation and communication of results
 - requirements and level of prescription
 - cross-referencing between animal and feed guidelines

Next steps ...

1. Structured and formal feedback process to strengthen guidance
 - **Public Review:** 15 March to 31 July 2014
Available: <http://www.fao.org/partnerships/leap/en/>
 - **Revision of draft guidelines:** August – September 2014
 - **Publication:** October 2014
2. Road testing: to provide feedback on practicability and usability
3. Revision of existing guidelines
4. Outreach and dissemination

Next steps ...

- New guidelines under development
 - Large ruminants (launched 4-5 March, 2014)
 - Biodiversity (launched 4-5 March, 2014)
- Future work
 - pork sector, water and nutrients, and inclusion of more impact categories into existing guidelines.



DRAFT FOR PUBLIC REVIEW

Greenhouse gas emissions and fossil energy
demand from small ruminant supply chains

Guidelines for quantification

leap
LEAP PARTNERSHIP
ENVIRONMENTAL, ANIMAL WELFARE
AND PERFORMANCE PARTNERSHIP



DRAFT FOR PUBLIC REVIEW

Greenhouse gas emissions and fossil energy
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DRAFT FOR PUBLIC REVIEW

Environmental performance of
animal feeds supply chains

Guidelines for quantification

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Thank you