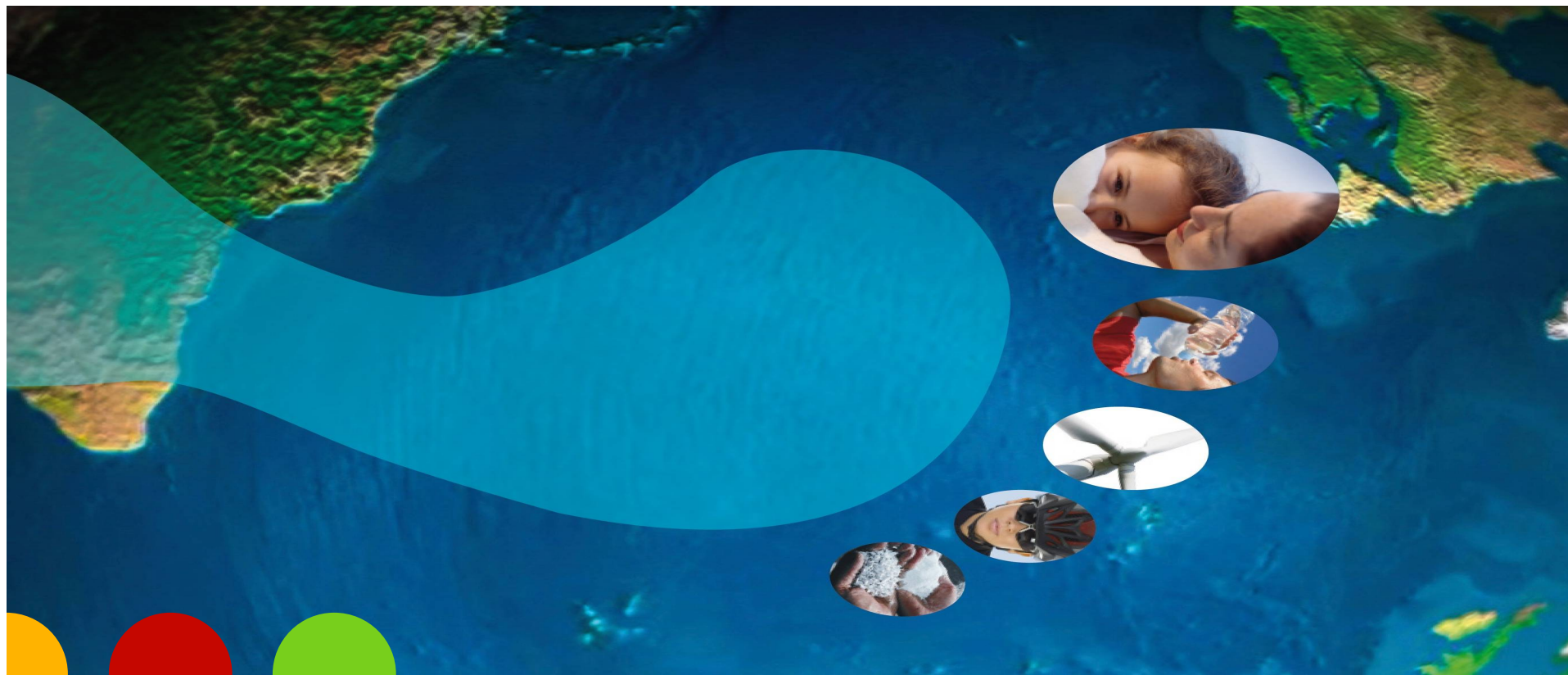




PlasticsEurope Eco-profiles

Indispensable Building Blocks
for High-quality PEF Studies

Dr.-Ing. Ivo Mersiowsky
DEKRA Consulting s June 2014

PlasticsEurope
Association of Plastics Manufacturers

Eco-profiles are Building Blocks

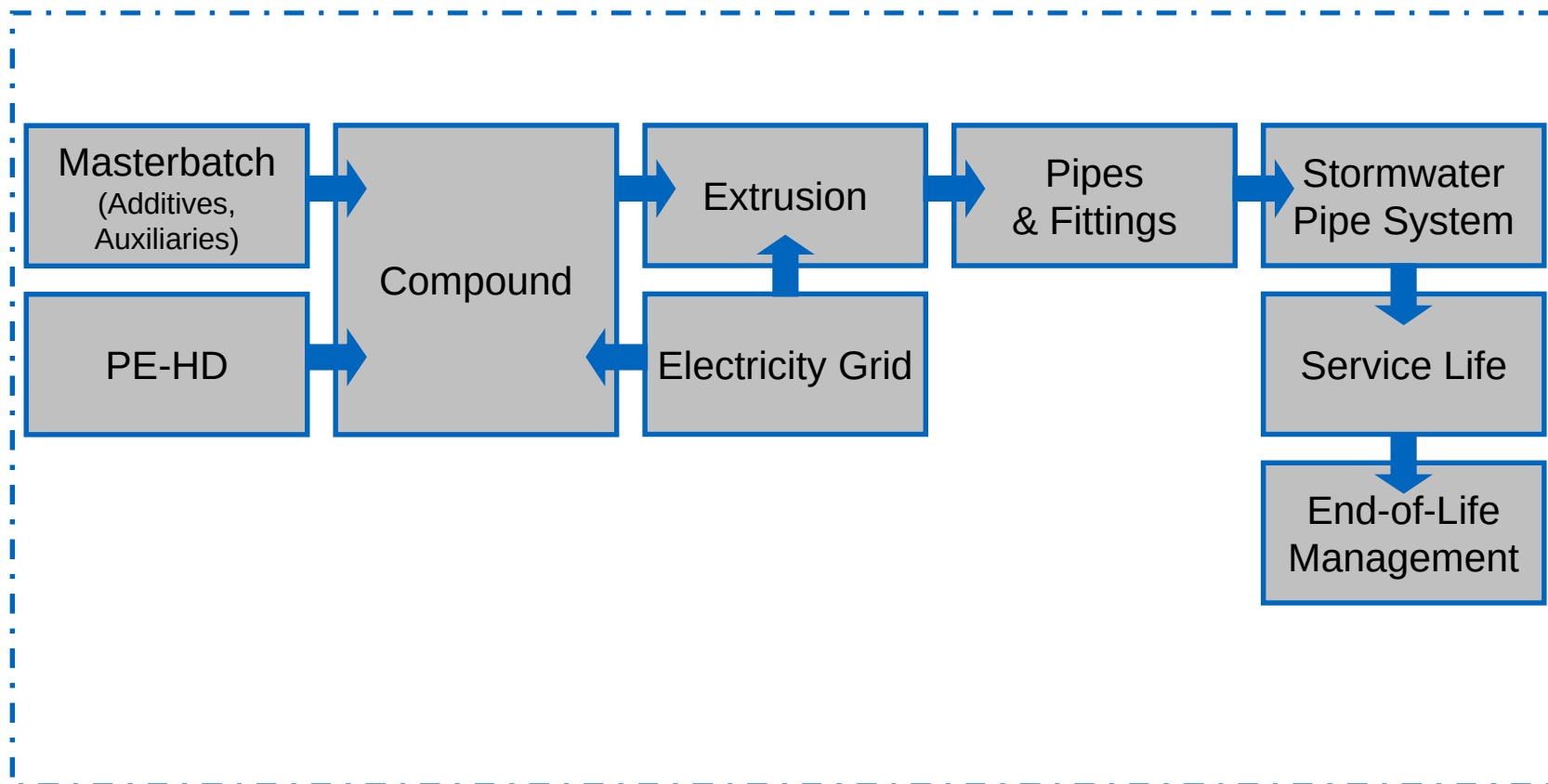
- Ø Polymer production in LCA
- Ø Representing European average
- Ø Complete cradle-to-gate model
- Ø Common LCI data formats
- Ø Facilitating impact assessment
- Ø Free of charge



Your LCA/PEF Study

Goal & Scope

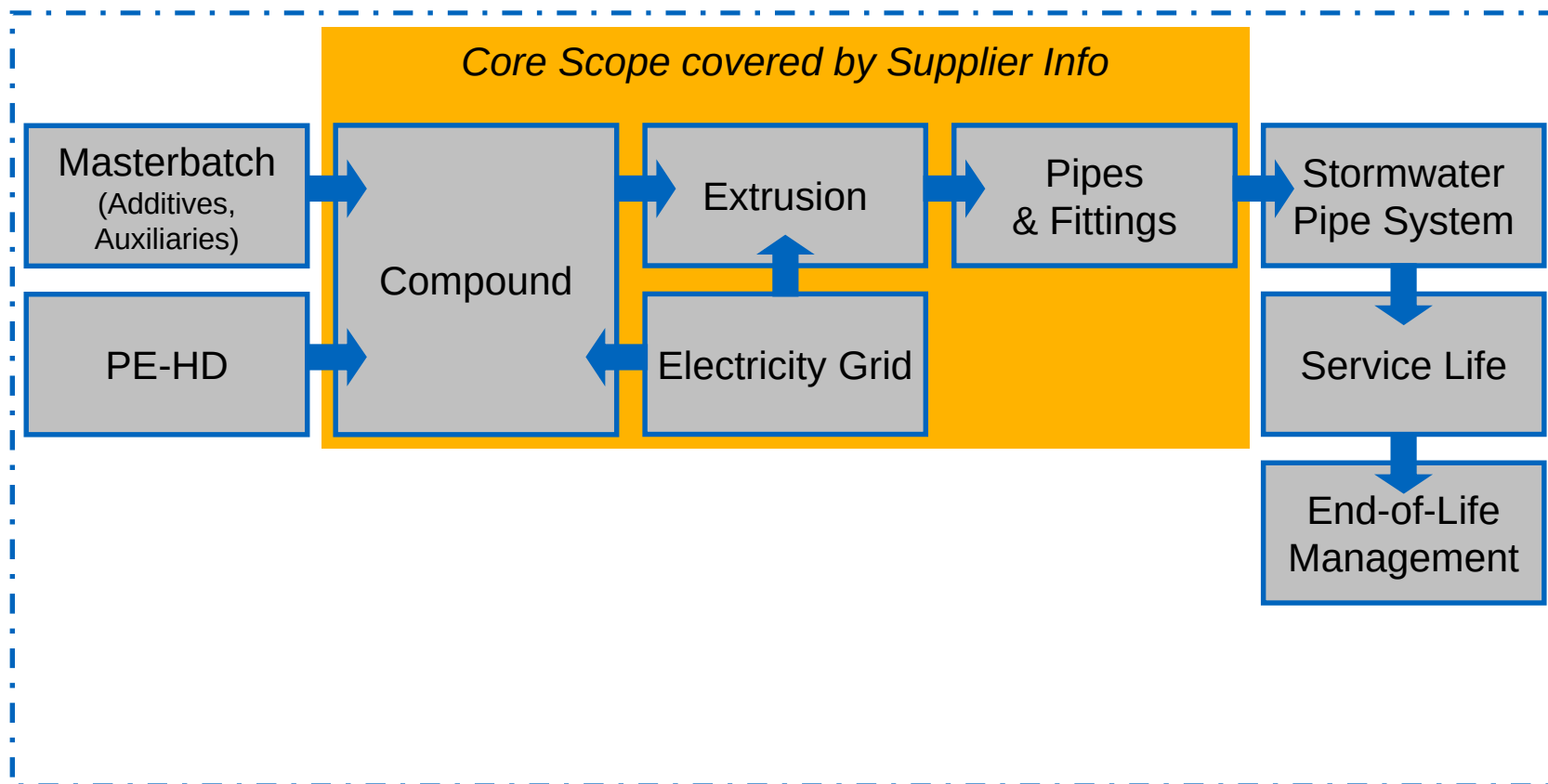
- Determine the PEF of a plastics stormwater pipe system
- Pipe system specification as per project info
- European average production data



Your LCA/PEF Study

Goal & Scope

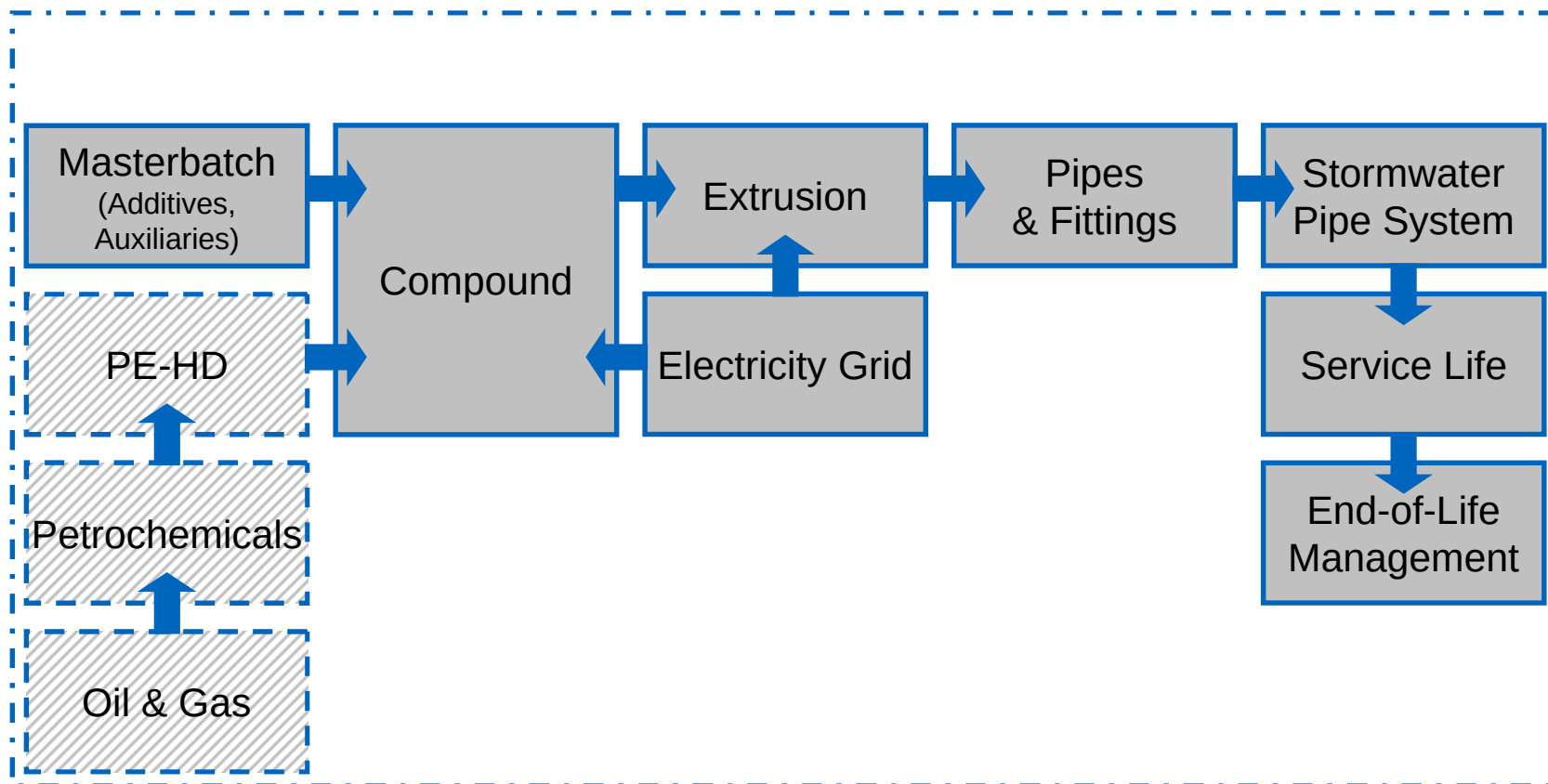
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Your LCA/PEF Study

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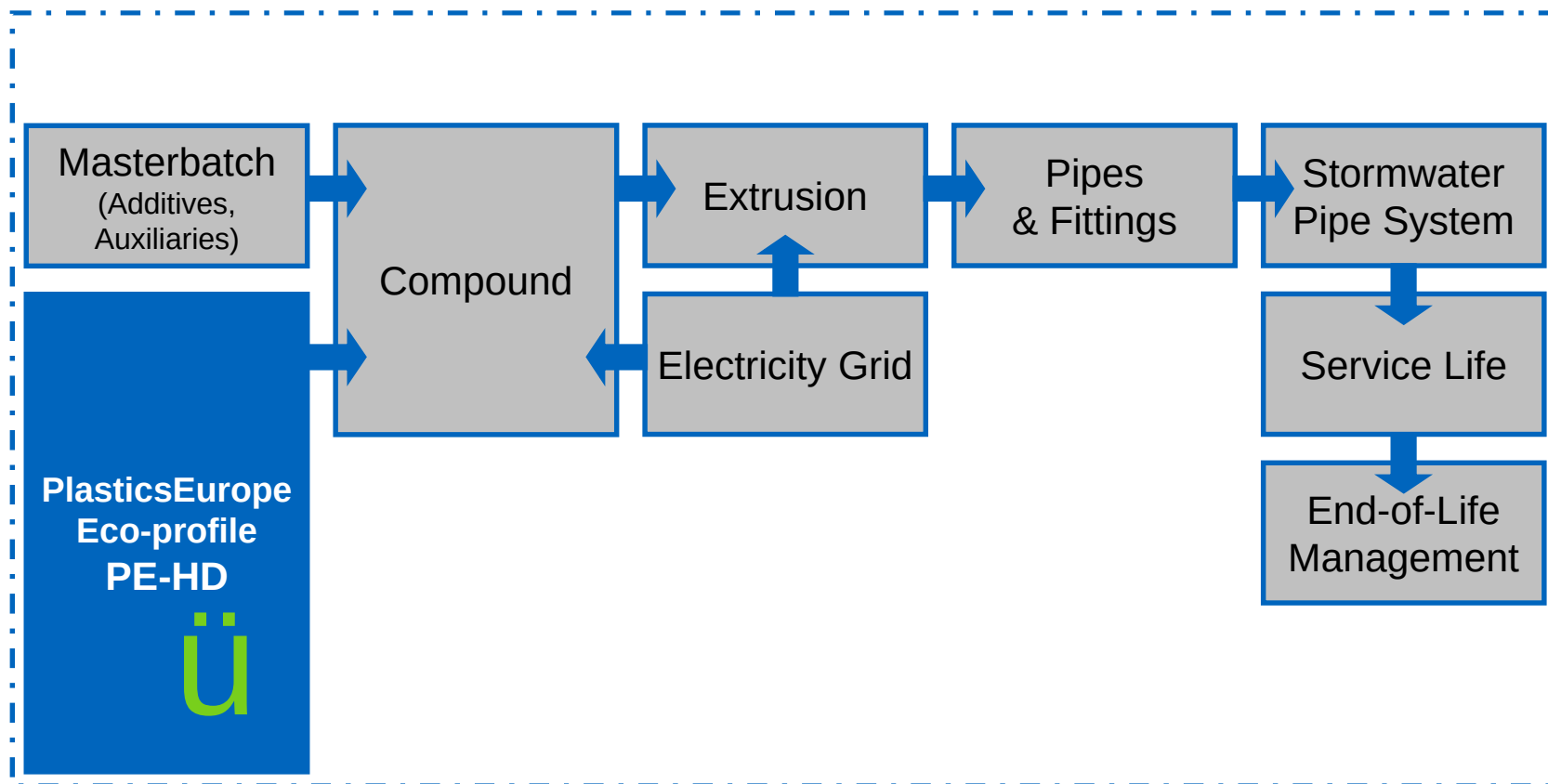
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Your LCA/PEF Study

Goal & Scope

- Determine the PEF of a plastics stormwater pipe system
- Pipe system specification as per project info
- European average production data



Where to find Eco-profiles?

The Plastics Portal

[Contact us](#) [About us](#)

[What is plastic?](#) [Use of plastics](#) [Plastics industry](#) [Plastics&Sustainability](#) [Information Centre](#)

Plastics&Sustainability

- Consumer protection
- Climate protection
- Zero plastics to landfill
- Plastics save energy
- Life Cycle Thinking
- Eco-profiles**
 - Browse by flowchart
 - Browse by family
 - Browse by list
- Solutions to marine litter

You are here: [Home](#) > [Plastics&Sustainability](#) > [Eco-profiles](#)

Eco-profiles

Share

Welcome to PlasticsEurope's Eco-profile Programme!

This website provides you with easy access to PlasticsEurope's Eco-profiles. Eco-profiles are Life Cycle Inventory datasets (LCI) and Environmental Product Declarations (EPD) for plastics. For more information, please refer to the Life Cycle Thinking section and to the Eco-profile Methodology Document.

Browse LCA by Flowchart

The flowchart shows the interlinking production processes and product flows of the chemical and plastics industry.

[Browse by flowchart](#)

Browse LCA by Product Family

These tables enable you to look up polymers and precursors grouped into broad product families.

[Browse by family](#)

Browse LCA by Product List

This list provides you with an alphabetical directory of all polymers and precursors.

[Browse by list](#)

Contact our expert!

Guy Castelan

Related information

More about Life Cycle Thinking Questions? FAQ Downloads Newsletter Brochure Flowchart Methodology

Go to www.plasticseurope.org

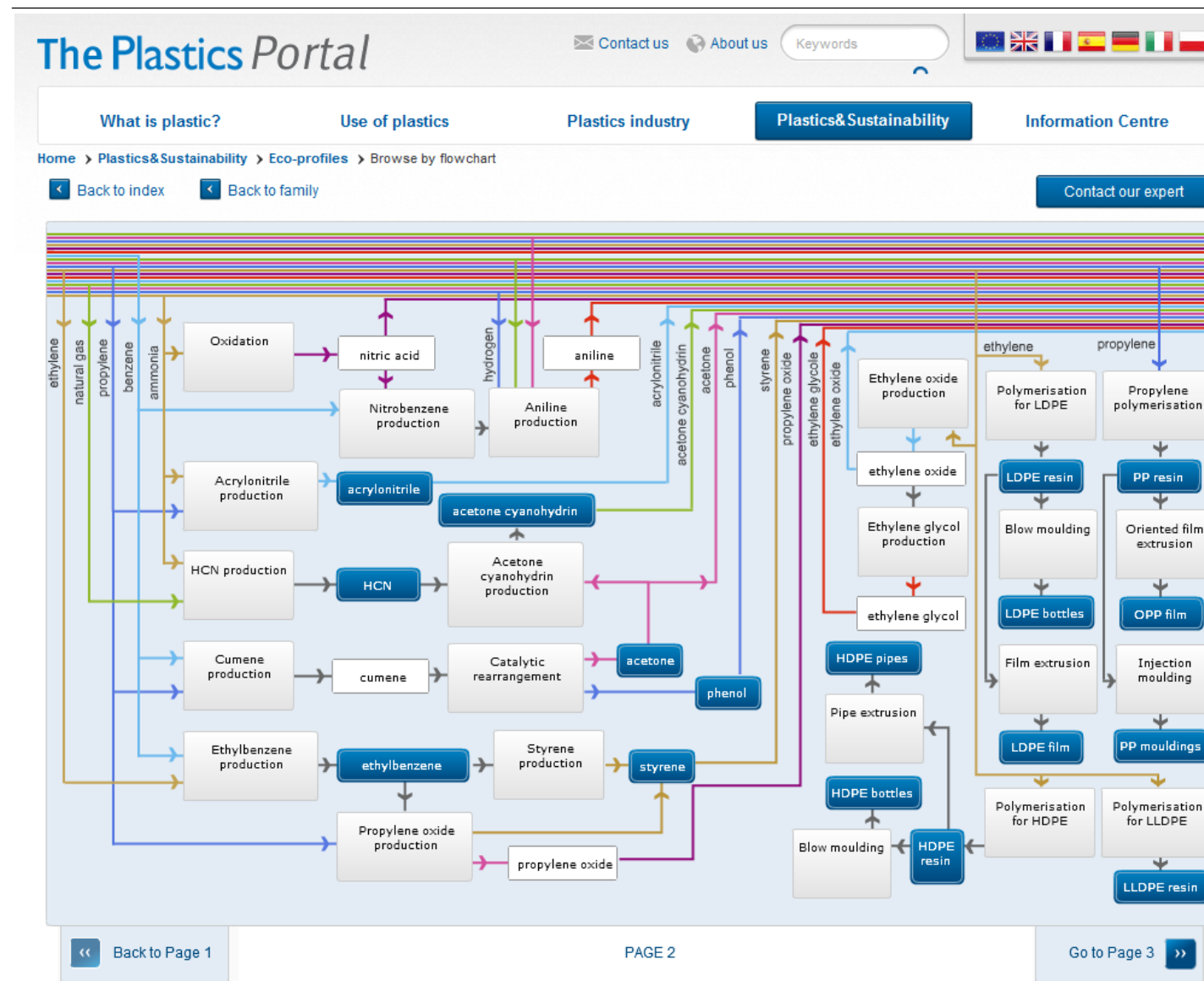
è Plastics & Sustainability

è Life Cycle Thinking / Eco-profiles

PlasticsEurope Eco-profiles as Building Blocks w LCA & PEF Info Day w Brussels w June 2014

7

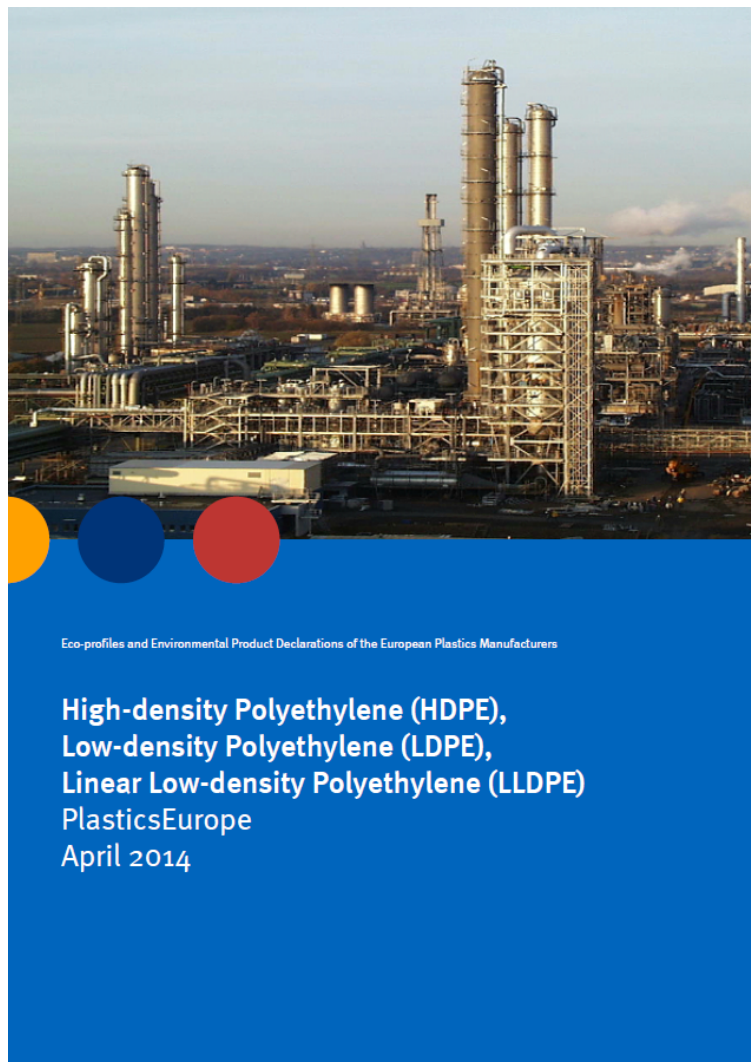
How to Download Eco-profiles?



How to Download Eco-profiles?

[illegible]

Eco-profiles are Info Packages



EPD

- 4-page summary (PDF)
- Process & product description
- Environmental key performance indicators (KPI)

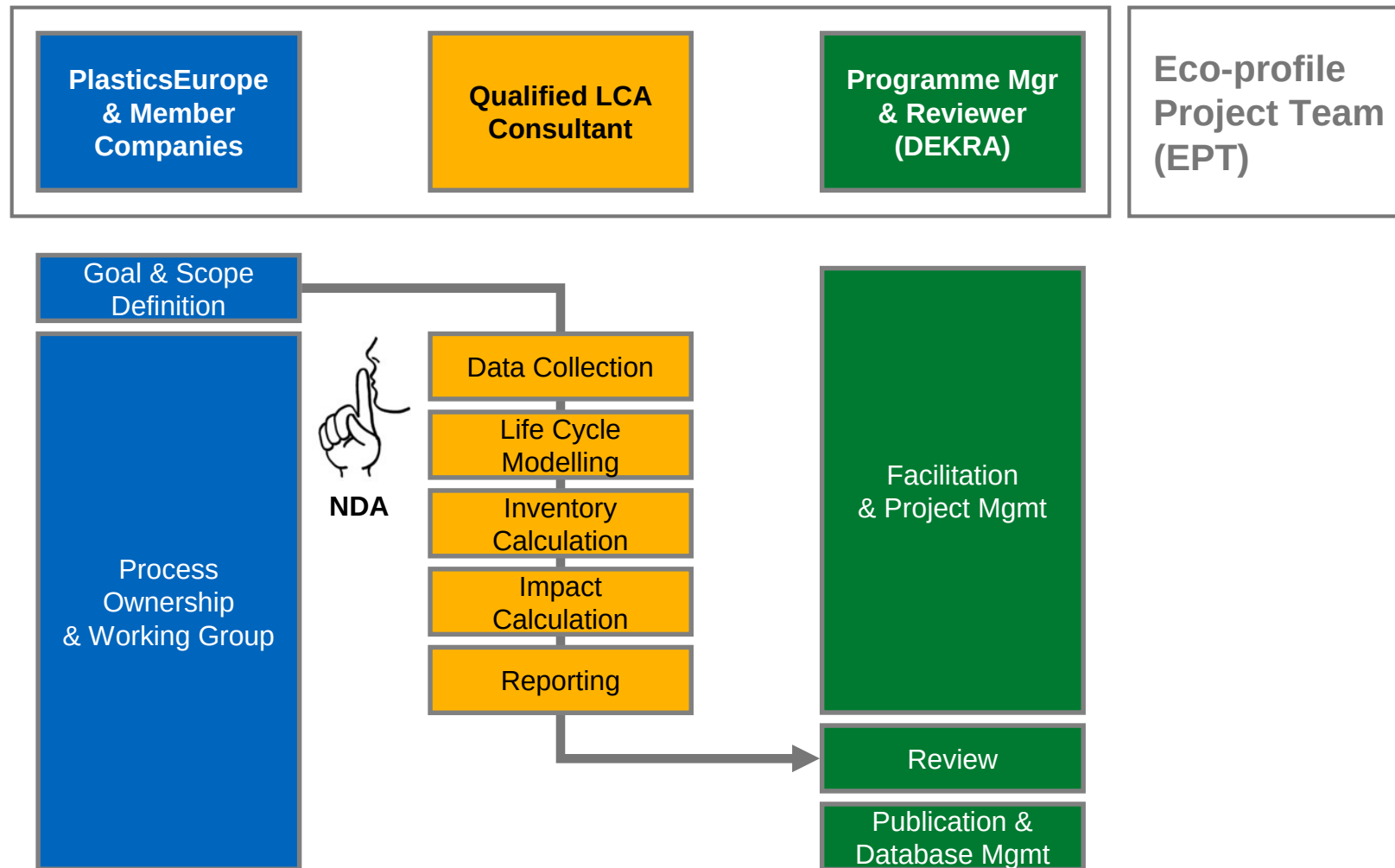
Eco-profile

- 20–40-page report (PDF) & verification
- Data sources & calculation
- Selected energy & emission data

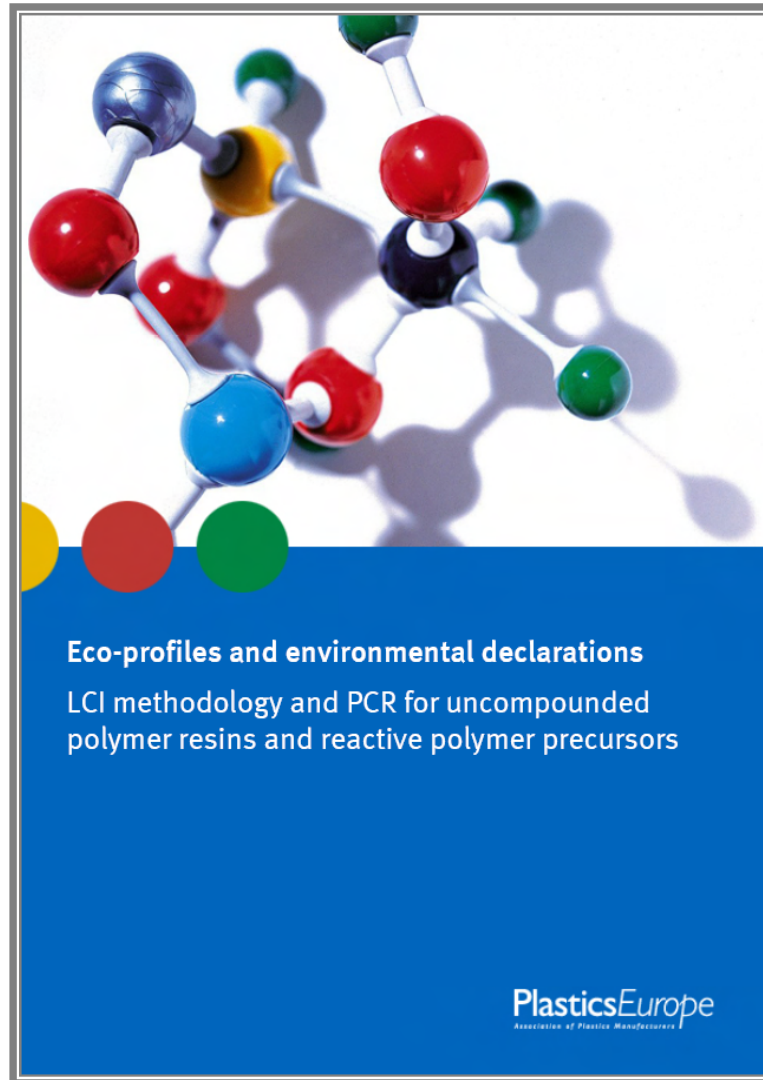
Data Sets

- Electronic Formats *Excel*, *Ecospold*, *ILCD*
- Fully detailed life cycle inventory
- Ready for software import

Eco-profiles use a Robust Process



Questions on Eco-profiles?



Methodology? FAQ?

Go to www.plasticseurope.org

è Plastics & Sustainability

è Life Cycle Thinking / Eco-profiles

**Version 3.0 (PEFCR) under preparation:
Stakeholder Consultation in Autumn 2014**



Plastics

The Material for the 21st Century

DEKRA Sustainability – Our Viewpoint

At DEKRA, sustainability means securing trust in the independence and quality of our services, thereby ensuring the long-term economic success of the company.

Values as a corporate success factor



We ensure

- § Safety
- § Quality
- § Sustainability
- § Econ. Efficiency



by means of

- § Integrity
- § Neutrality
- § Expertise



and with

- § Self-initiative
- § Commitment
- § Passion

Business Assurance



International player in the global system certification and business assurance market.

Management Systems

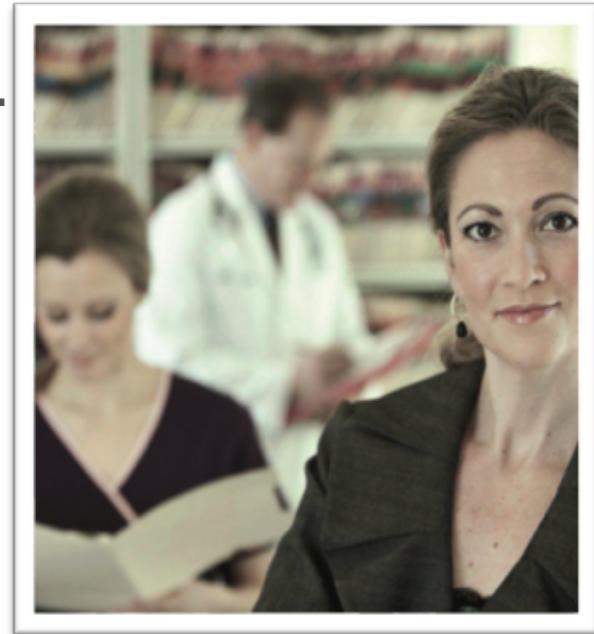
- § Quality (e.g. ISO 9001)
- § Energy (e.g. ISO 50001)
- § Environmental (e.g. ISO 14001)
- § Occupational Health & Safety (e.g. OSHAS, SCC)
- § Food Products (e.g. ISO 22000)
- § Personnel Certification

Assessment Services

- § Audits (e.g. 2nd party, supplier audits)
- § Voluntary Compliance Audits

Sustainability Assurance Services

- § Regulatory Compliance (e.g. REACH, Hazardous Substances)
- § Product Sustainability (e.g. LCA, EPD)



First accredited certification body for energy management (ISO 50001) in Germany and the USA.