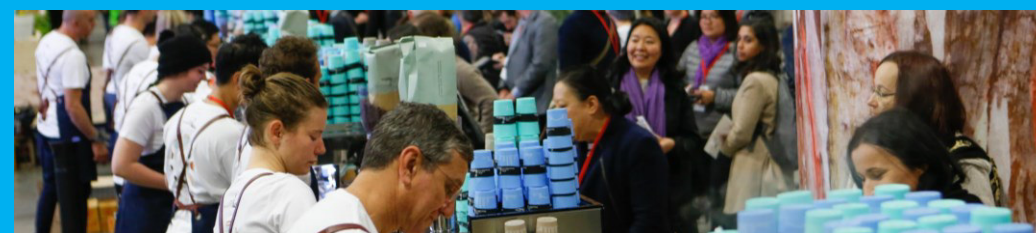


# International initiative regarding data accessibility and interoperability – Global LCA Data Access Network (GLAD)



Life Cycle Initiative



Dr. Llorenç Milà i Canals, Head of the Life Cycle Initiative, Industry and Economy Division,  
UNEP

# About the Life Cycle Initiative



Life Cycle Initiative

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**Partnership:** Public-private, multi-stakeholder partnership enabling global use of credible life cycle knowledge by decision makers.

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**Provides:** Global forum to ensure a science-based, consensus-building process to support decisions and policies towards the shared vision of sustainability as a public good.

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**Delivers:** Authoritative opinion on sound tools and approaches by engaging its multi-stakeholder partnership (including governments, businesses, scientific and civil society organizations and individuals).

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**Facilitates:** Application of life cycle knowledge in the global sustainable development agenda in order to achieve global goals faster and more efficiently.

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**Hosted:** By the United Nations Environment Programme (UNEP)

# What is GLAD?

- An open-source online platform to search for LCI datasets  
[www.globalcadataaccess.org](http://www.globalcadataaccess.org)
- Largest directory of Life Cycle Assessment (LCA) datasets, from independent LCA database providers, from around the world
- Main purpose: to increase **LCA data accessibility and interoperability** to support policy makers and businesses in their decision-making processes.



# GLAD: Global LCA Data Access Network & Community

**Mission:** GLAD is the global, neutral entry point to LCA datasets

## LCA community involved in GLAD working groups to address:

1. Accessibility to LCA data
2. Interoperability of formats, and
3. Transparency

Global LCA  
Data Access network

Search, convert and download datasets from different life cycle assessment dataset providers

Search datasets

[See all datasets →](#)

### Data provider

Agribalyse (3747)  
Amaru (7)  
Cobalt Institute (1)  
ecoinvent Association (69472)  
ecoinvent SRI-LCI data (108)  
ecosystem (957)  
ESU-services (2572)  
European Solvents Industry Group (ESIG) (6)  
IBICT (21)  
IDEA (3756)  
Japan Iron and Steel Federation (16)  
KEITI (17)  
LCA Society of Japan (JLCA) (6)  
NorEnviro (32)  
PeruLCA (55)  
Plastics Europe (50)  
Sphera (14082)  
US Federal LCA Commons (1738)  
VitalMetrics Group (389)  
worldsteel (81)

### Format

ECOSPOLD2 (69642)  
ILCD (15263)  
Other (9793)  
JSON LD (1738)  
ECOSPOLD1 (288)

### Process type

Unit (82467)  
Fully aggregated (11593)  
Partially aggregated (1669)  
FULLY\_AGGREGATED (974)

### Free or for sale

Free (9078)  
 For sale (88005)



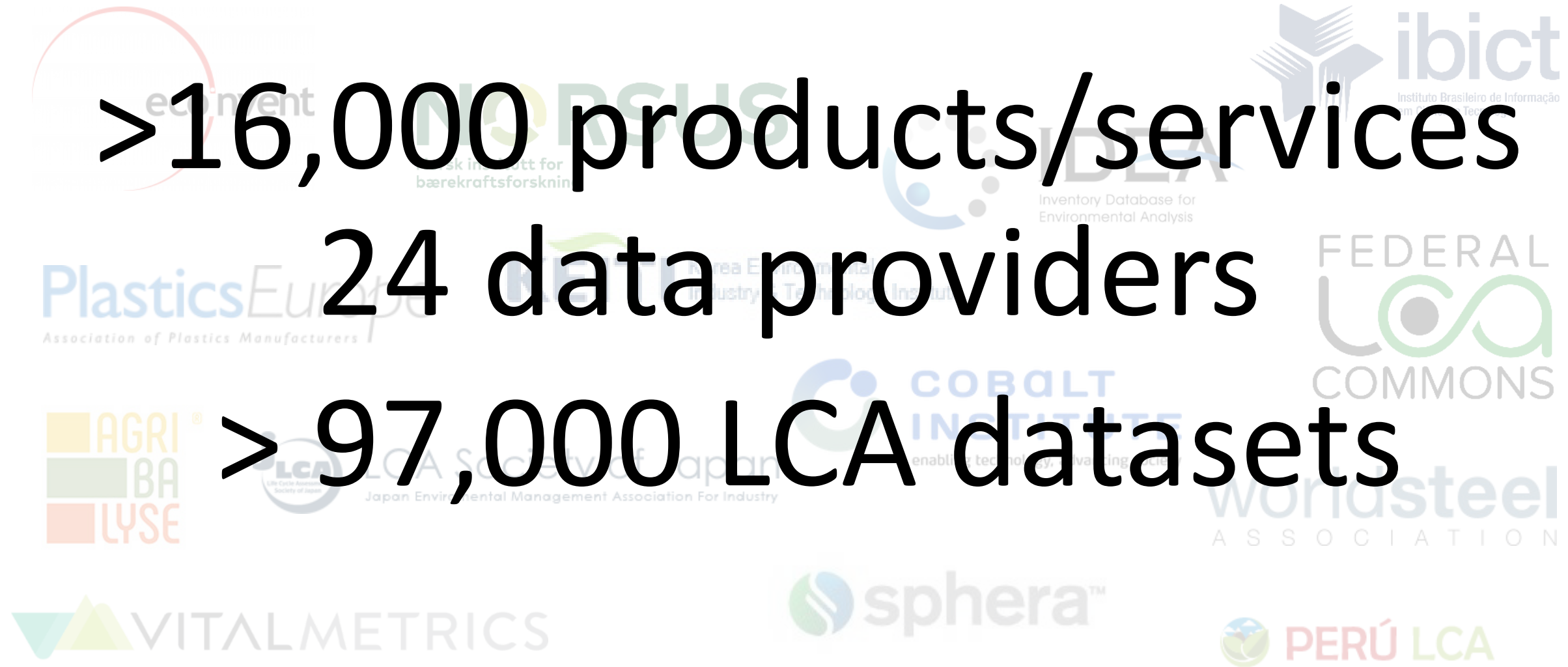


# Who is connected?

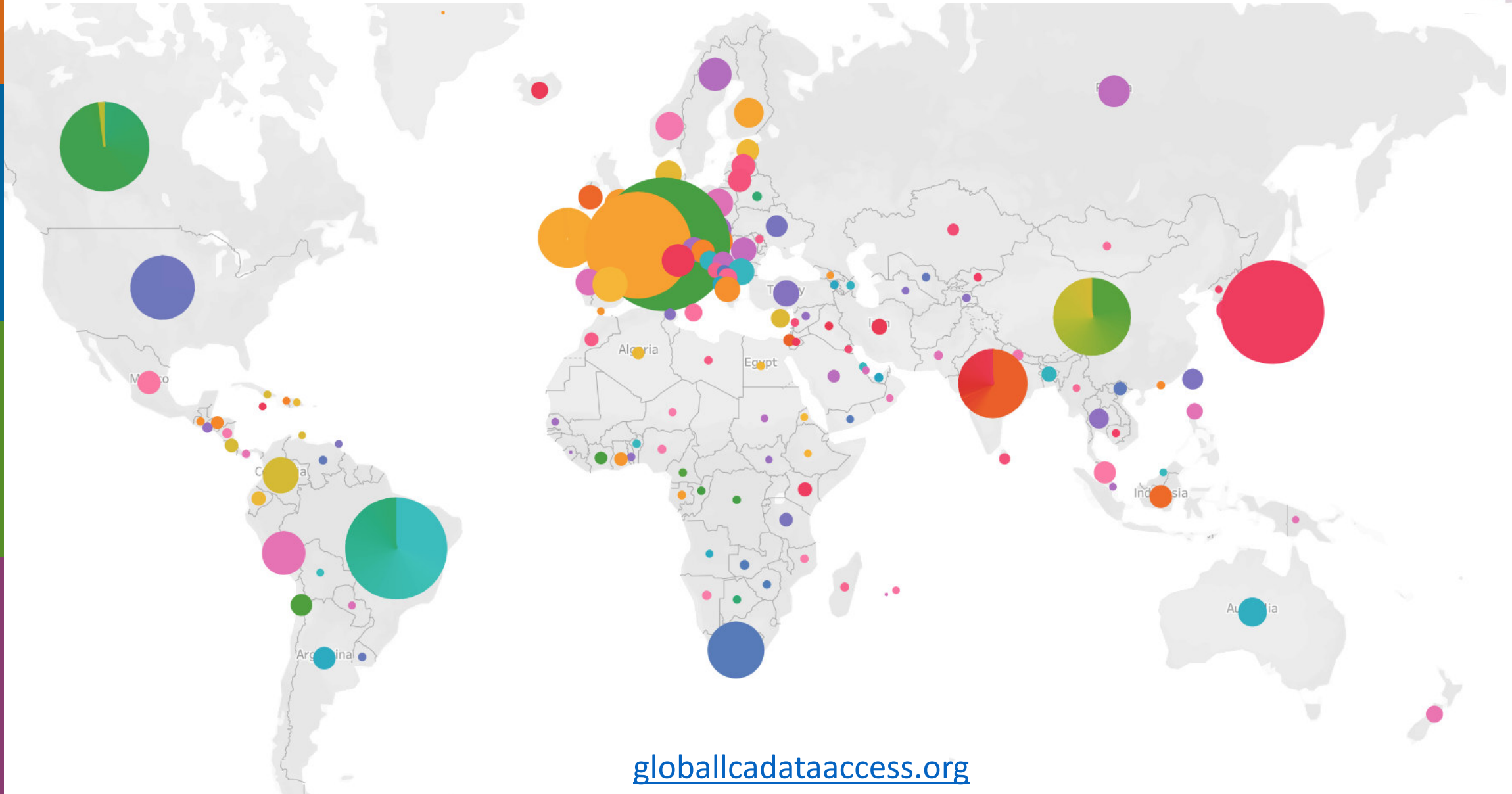
>16,000 products/services

24 data providers

> 97,000 LCA datasets



# A large share of world's LCA data are here!



# New available features

- Migration to **Drupal**, which allows better content management
- Updated **user interface** that offers a faceted search
- **Self-registration facility** for nodes to manage their own data in GLAD more effectively
- An **automated classification** for categories based on ISIC
- **Integration of GLAD to commercial LCA software** is under way, with SimaPRO and Brightway
- **A new Guidance for Metadata descriptors**, identifying mandatory fields to connect (Metadata WG)

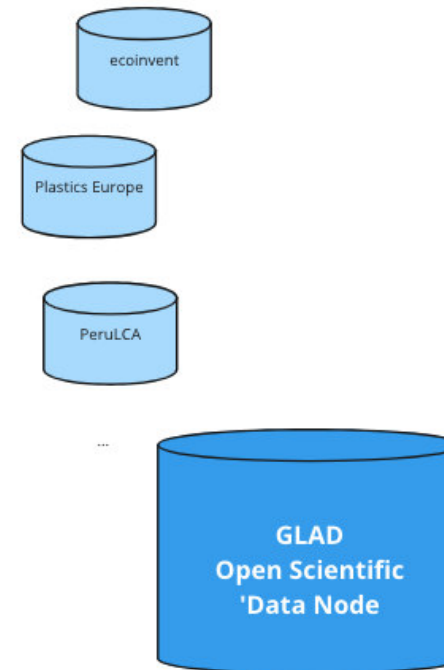
- **GLAD Open Scientific Data Node**
- Design the blueprint and sustainability strategy for a **common governance nomenclature system**
- An improved **conversion tool**: Lavoisier from IBICT is being implemented to GLAD



## Objective

- new node to host data from multiple academic data providers
- operated by GLAD infrastructure team
- use free of charge for academic institutions
- easy and low-barrier way for university departments to share structured LCA data

GLAD Nodes / Data Providers



# Common governance nomenclature system

- **Objective**

- blueprint and **sustainability strategy** for a common governance nomenclature system mapping elementary flows (EF) lists from major LCA databases
- **coordination:** GLAD + Global LCA Impact Assessment Method (GLAM) + major software providers + database + method developers

Blueprint and strategy for a common governance nomenclature system to map the elementary flow lists from major LCA databases



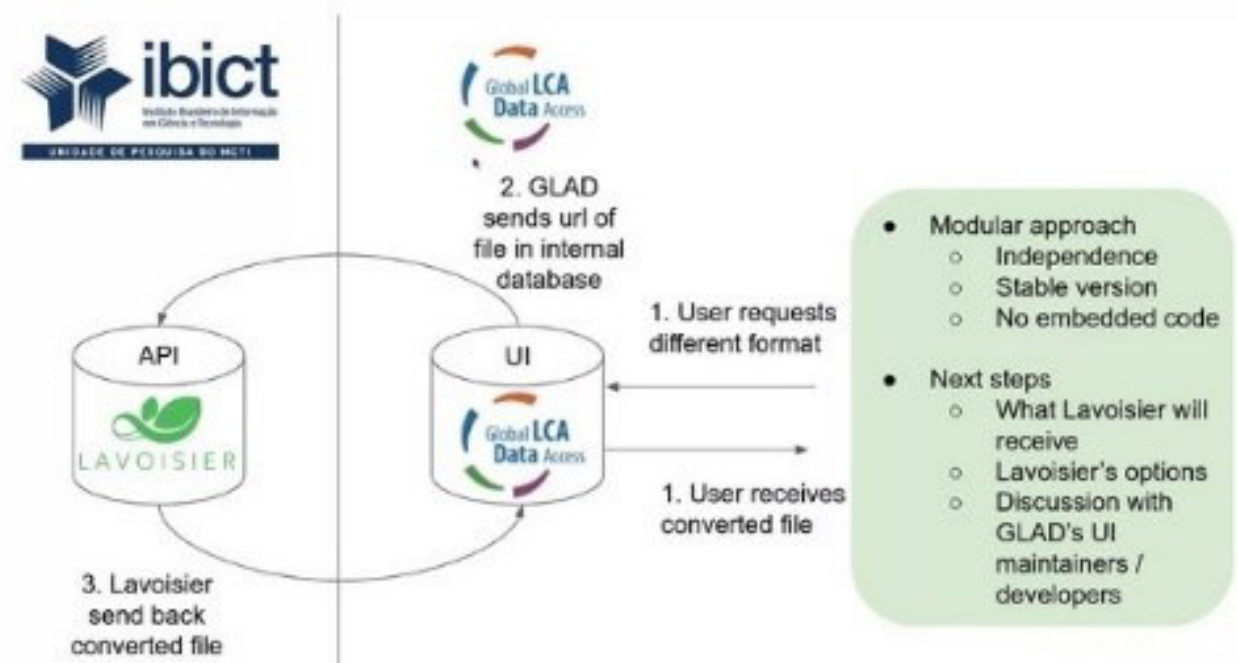
Develop draft based on expert consultations, bilateral meetings and alignment discussions in GLAD TMG meetings



Final Draft and Presentation Workshop

- **Objective**

- integration of the Lavoisier converter into the GLAD platform
- further improve a converter function, so that users can upload, convert and download LCA datasets in the preferred format (conversions: ILCD1 to and from EcoSpold2).



# Get involved!

## Use GLAD

- ✓ New search function
- ✓ Updated user interface
- ✓ Migration to Drupal

## Provide Data

- ✓ Become a NODE
- ✓ Improved connecting process
- ✓ Self-registration facility

## Collaborate in kind

- ✓ Nomenclature Working Group
- ✓ Metadata Working Group
- ✓ Hackathon
- ✓ GitHub repository

## Provide funding

And, of course, you can always become a funding partner and help us deliver on this mandate!

# Our Funding Partners

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