

Introduction of Japanese LCA networks and their activities

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- LCA Society, Japan (JLCA)
- Institute for LCA, Japan (ILCAJ)
- LCA Group of AIST (IDEA Database)



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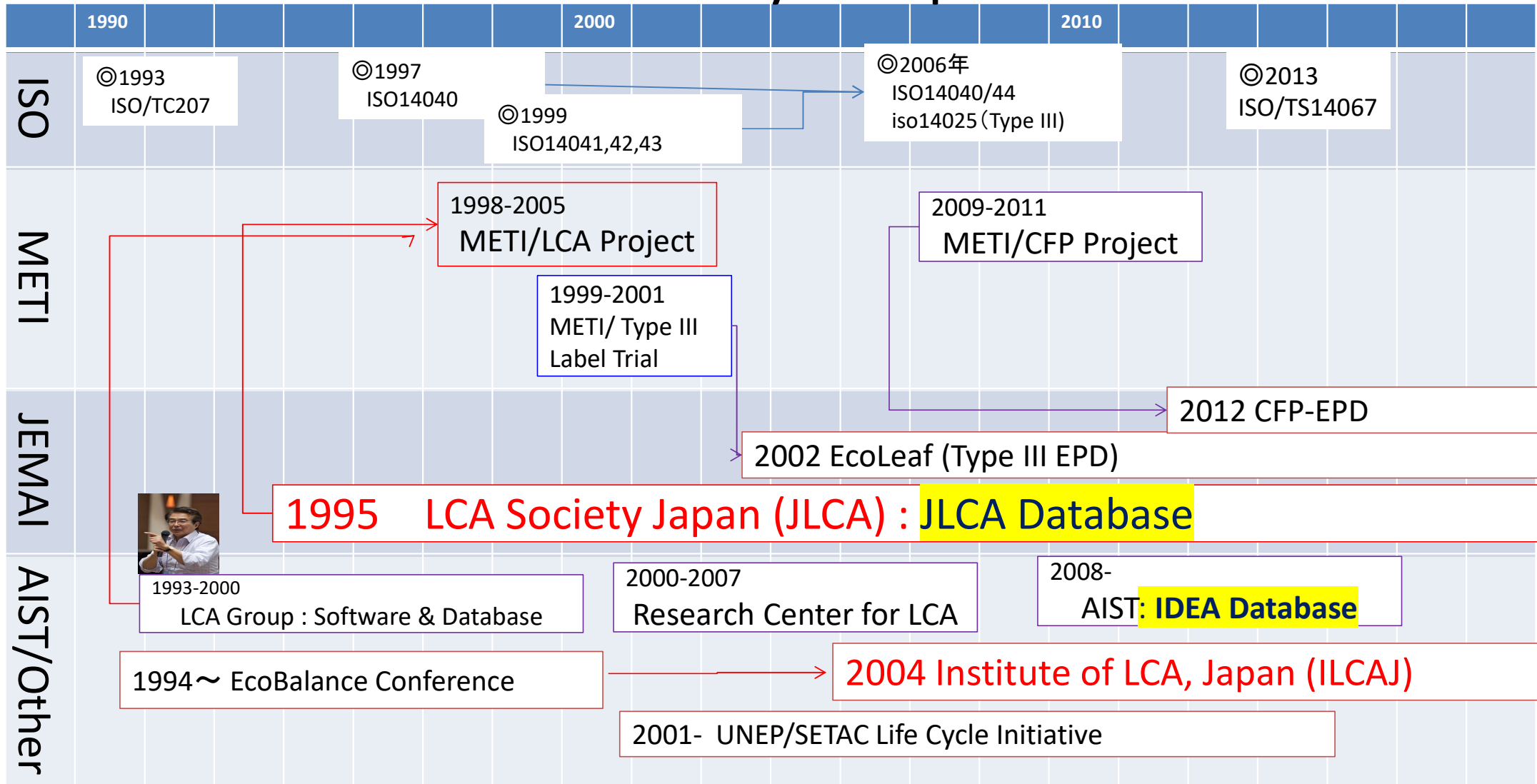
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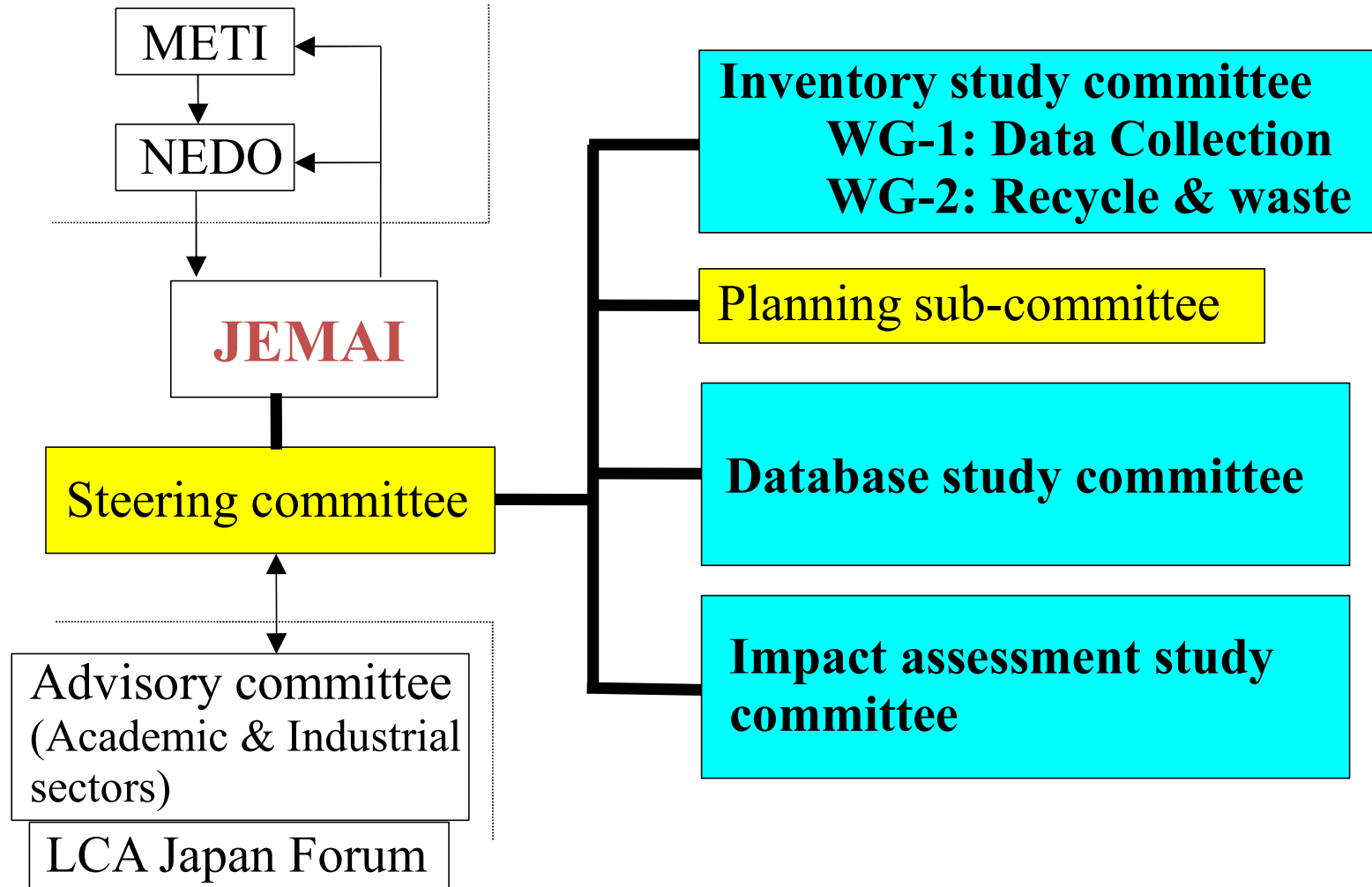
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LCA Activity in Japan



LCA National Project, 1998-2005



Inventory study committee

WG-1: Inventory data collection

- › Transparent and reliable LCI data of around **250 industrial products** were collected **voluntarily** by **22** industrial associations of the committee and **34 industrial associations** joined in the project.
- › System boundary: “**Gate to Gate**” .
- › Inventory: 14 flows
 - (air) CO₂, CH₄, HFC, PFC, N₂O, SF₆, NO_x, SO_x, dust
 - (water) BOD, COD, total P, total N, SS

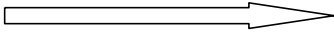
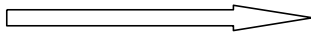
Members of inventory data collecting

Members of committee

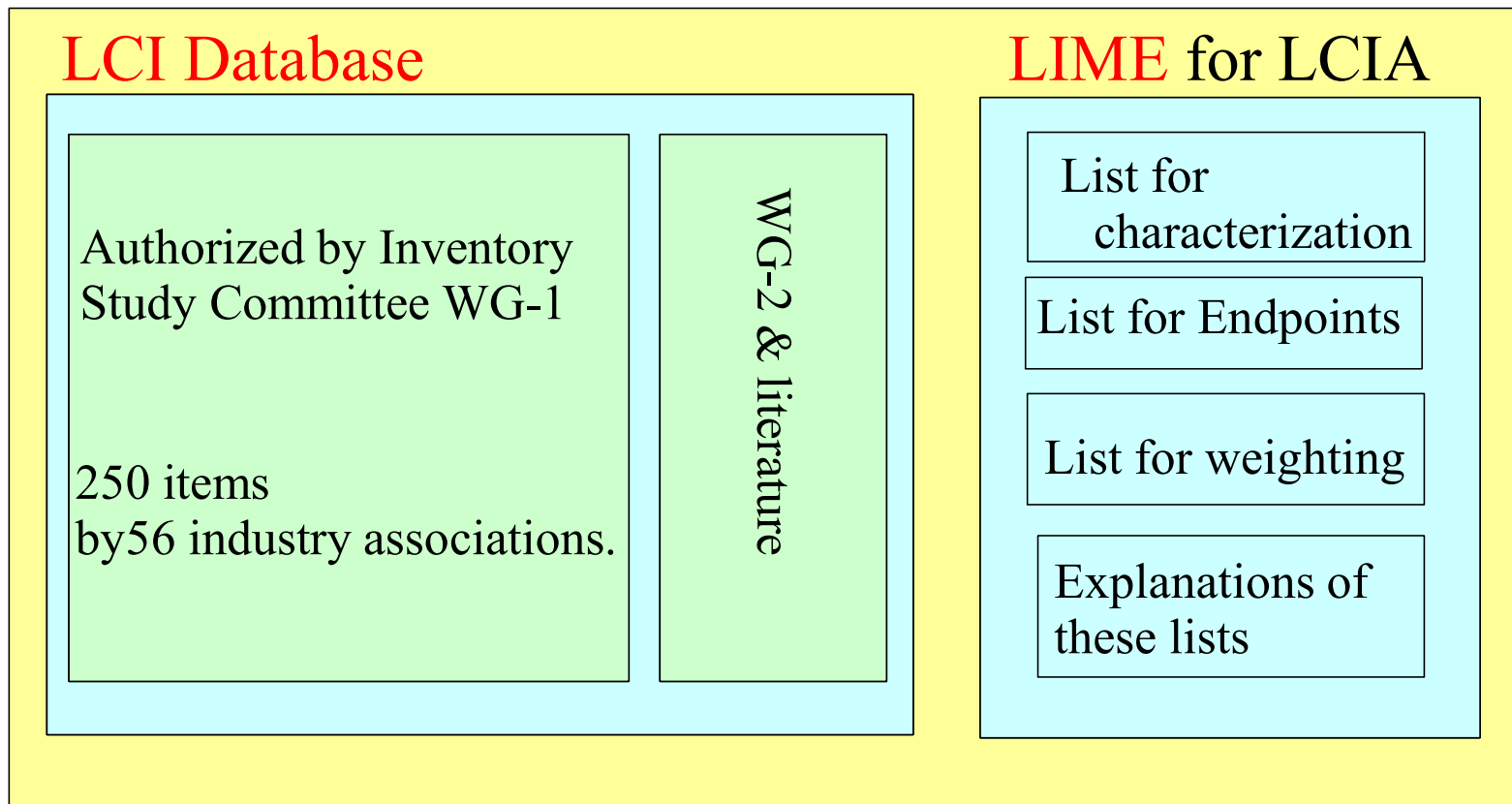
Gas
 Petroleum
 Electric power
 Iron and steel
 Aluminum
 Non-ferrous metals
 Glass
 Paper
 Refractories
 Cement
 Chemical
 Chemical fibers
 Rubber
 Automobiles
 Automobile parts
 Business machine
 Electrical for households
 Communications
 Electronic
 Gas and kerosene appliance
 Industrial machinery
 Building constructor

Additional members of data collecting industry

Limestone mining
 Glass fiber
 Fineceramics
 Titanium
 Stainless steel
 Electric Arc Furnace
 Batteries
 Electric wire & cables
 Railway transport
 Resinoid
 Chemical products
 Carbon black
 Printing ink
 PolyVinylCholoride
 Aclylonitrile
 Chloro-carbon
 Synthetic rubber
 Petrochemical
 ABS resin
 Urea & ammonium
 Emulsion
 Titanium dioxide
 Soda
 Industrial gases
 Engineering plastics
 Soap and detergent
 Aromatic
 Paint
 Urethane row materials
 Expandeed PS
 Methacrilate Resin
 Plastic Waste Management
 Methanol-formaldehyde
 Sulfuric acid

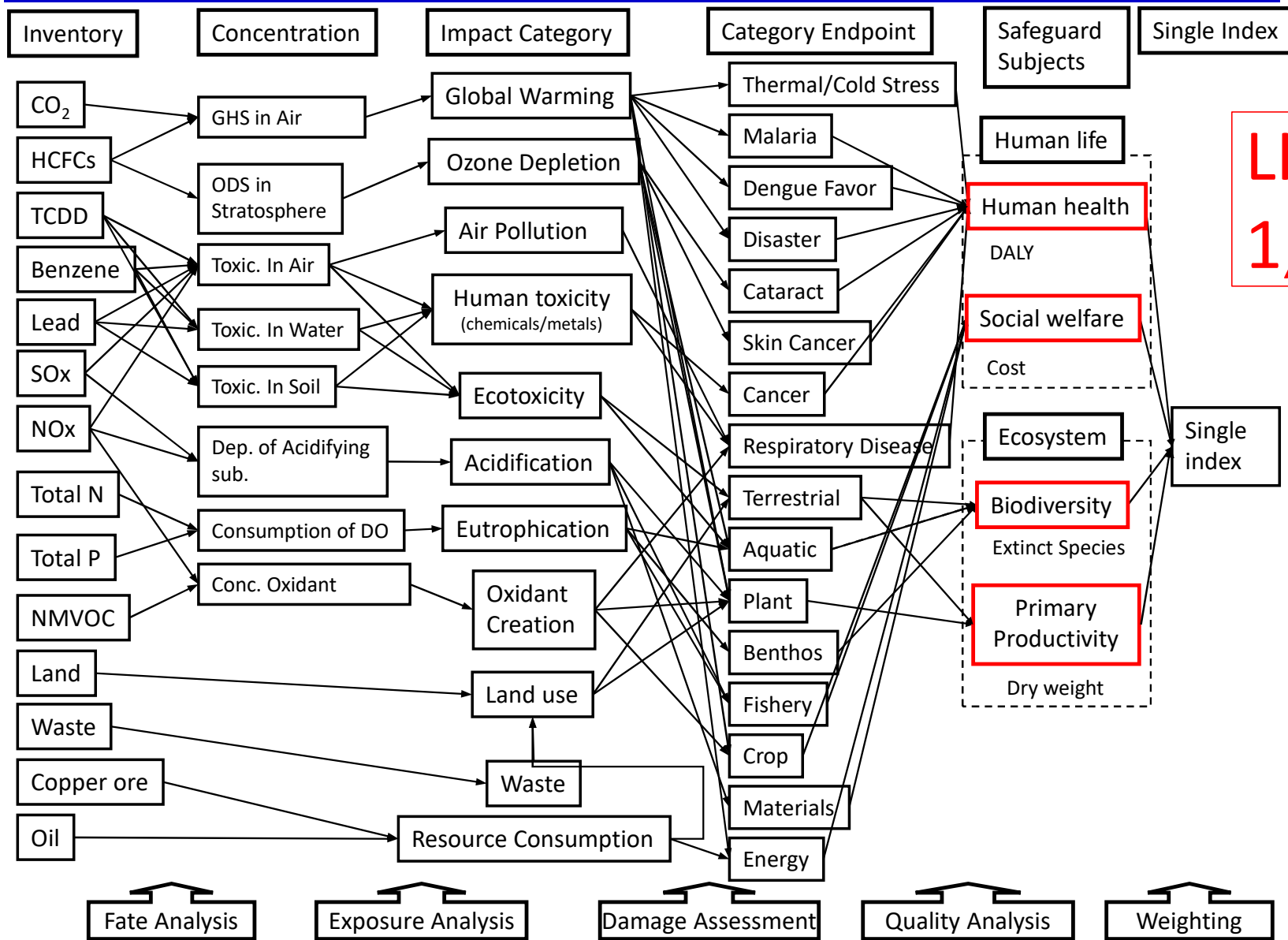


LCA Database



As of 2019; Dataset from Industrial Association; GtG 460, CtG: 240
from literature; 430

Endpoint-type LCIA Methodology for Japan

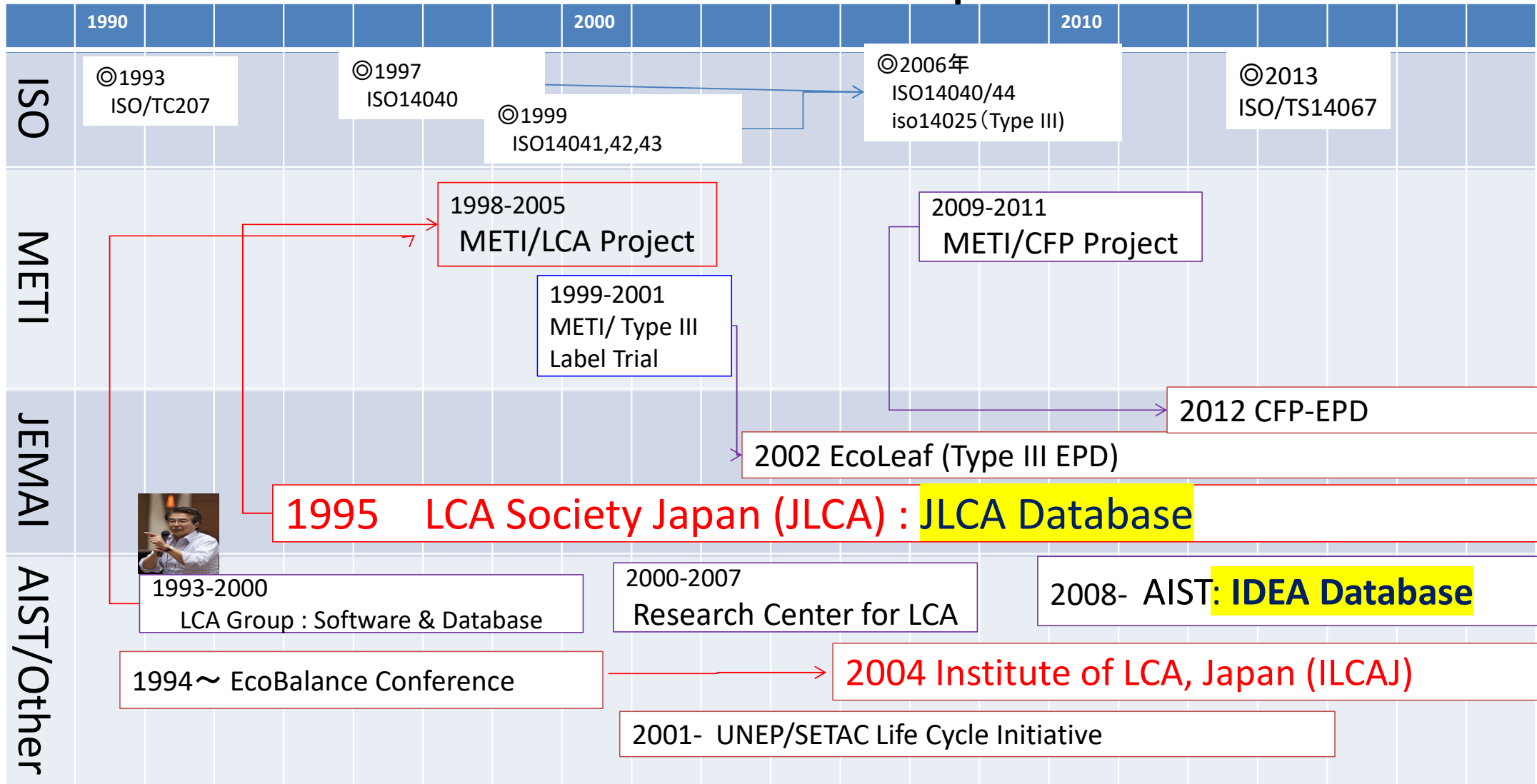


Study Groups of LCA Society Japan (JLCA)

- LIME3
- Avoided Emission
- Waste Plastics
- ICT for SDGs
- LCA Guideline for NETs
- Supporting Cities toward Carbon Neutrality

We would collaborate with you!

LCA Activities in Japan



Currently I am working for

- ISO/WD 14068 Carbon Neutrality
Avoided Emission by Products
 - ISO/WD 14074 LCA Weighting
 - ISO 14021:2016/DAM Type II Label
 - ISO/WD 59020 Circular Economy (Measurement)
 - ISO/CD 14100 Green Finance
- etc...

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