SUSTAINABILITY
CONSORTIUM

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http://www.sustainabilityconsortium.org/

SUSTAINABILITY CONSORTIUM

Members

Guiding Principles

- Our focus is on substantial impacts accumulated across products' life cycles
- Our activities are grounded in scientific, outcome based methods…

  …that integrate recognized research and standards
- Data and methods must be open and transparent, and…

  …respect proprietary information

  …honestly characterize uncertainty

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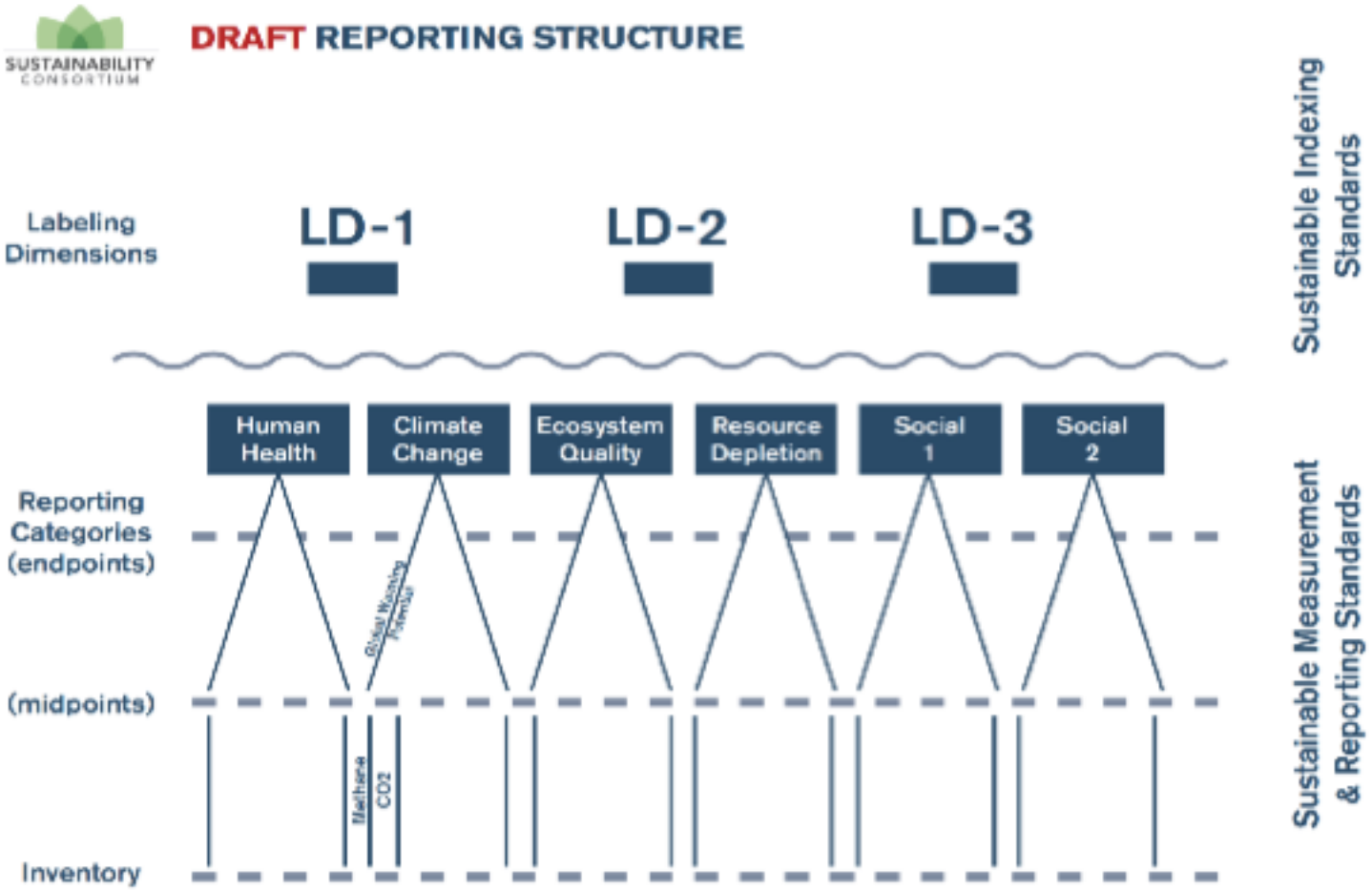
Guiding Principles

- Solutions must be affordable and accessible to all supply chain members
- Need-for-speed must be balanced by rigor
- Developing by doing (prototyping) will drive rapid, pragmatic progress
- Systems must drive innovation that generates returns on multiple dimensions

SMRS Scope



TSC SCOPE

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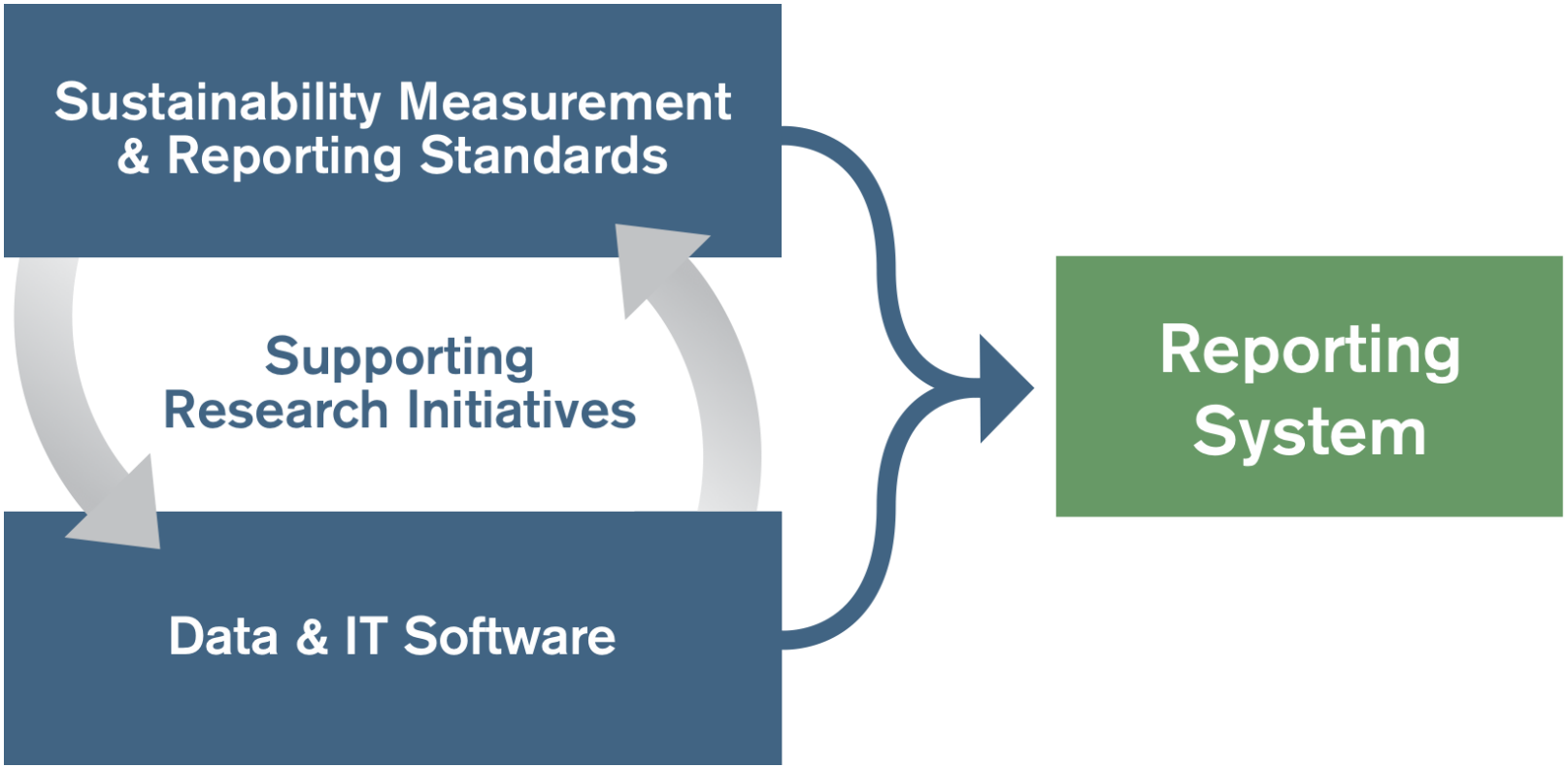
Reporting Framework



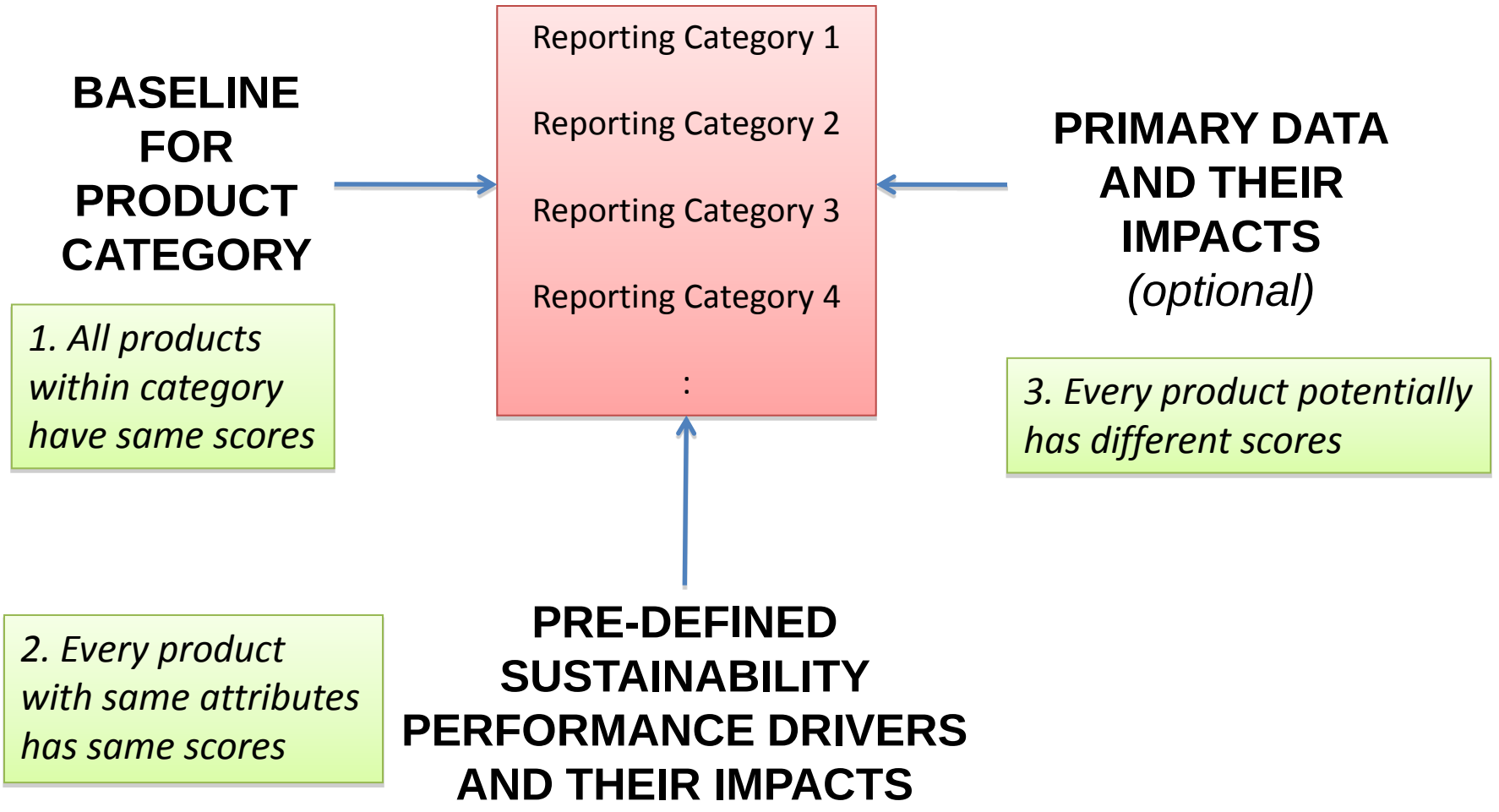
Standards of Measurement & Reporting

- Foundation for business-to-business and business-to-consumer reporting
- Addresses the questions:
  - What sustainability measures or attributes should be captured?
  - How should they be measured?
  - How should they be reported?
- SMRS development is in prototype within sectors

LCA or Attributes?

- LCA has higher information content but is costly
  - Not scalable to all products on all dimensions
  - LCI data is currently very sparse
- Attribute approaches have lower information content but are less costly
  - Best practices, certifications, technologies, etc.
  - Attributes may not be performance driven and often lack precision

Three step reporting



Data and IT Success Factors

Any organization should be able to:

- Assess and prioritize supply chain sustainability impacts
- Identify opportunities for innovation
- Measure and report performance without undue burden
- Identify and visualize baseline models
- Select from approved Sustainability Performance Drivers
- Refine their model using primary data from their operations and supply chains

Data and IT Success Factors

Any organization should be able to:

- Use life cycle modeling tools or results to innovate
  - Inform product design process
  - Inform procurement decisions
  - Find supply chain efficiencies
  - Understand use phase and end of life impacts of their products

High Level System Design

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Ahold · SAFEWAY Ingredients for life. · Walmart Save money. Live better. · DIAL · Unilever · P&G · BEST BUY · hp · And others…

GS1 US

Identify
GLN | GTIN | SSCC

Capture
Barcode | EPC | RFID

Share
EDI | GDSN

Modeling and Reporting Tools

EARTHSTER · GaBi Software · SAP · ARAVO · And others…

Sustainability Information Hub

SMRS Library | Baseline Model Library | Performance Driver Library | Research and Innovation Reports

Industry Average Data Framework

ecoinvent · openIO · NREL · And others…

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Sector Projects

- Current Sectors
  - Food, Beverage & Agriculture
  - Home & Personal Care
  - Electronics
- Developing prototype SMRS
  - Literature reviews and surveys
  - Prototyping with attribute/category level and LCA/product level approaches

Other Consortium Working Groups

- Standing
  - Data & IT Systems
  - Auditing & Validation
  - Consumer Science
  - Measurement Science
  - System Science
- Task Forces
  - Governance
  - External Relationships