



# IAITAM ACE

May 7-9, 2024 The M Resort  Las Vegas, NV

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TimeToAct Group

Sustainability in ITAM – Better Practices and Upcoming  
International Standards



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## Seize the opportunities presented by digitalization

**TIMETOACT is more than a company name; it's a call to action!**

We advise and work with our customers on executable Digital Strategies and IT Strategies to create value and secure future competitiveness.

We modernize and integrate our customers IT eco systems to increase their agility and transparency as well as to reduce costs and risks.

For innovative customers we design and implement digital business models, opening up new market opportunities.



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# Sustainability

- Sustainability refers to meeting the needs of the present without compromising the ability of future generations to meet their own needs.
- It involves balancing economic, social, and environmental considerations.
- Sustainability aims to promote long-term well-being and prosperity for all, while protecting the planet's natural resources.



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# Current Developments impacting ITAM

- **Industry Initiatives (examples):** Green Hardware / Green Software / GreenOps / Green IT
- **Legislative initiatives (examples):**
  - US: Comprehensive Environmental Response, Compensation, and Liability Act
  - EU: Corporate Sustainability Due Diligence Directive & Reporting Directive, Circular Economy Action Plan, Digital Services Act
  - Germany: Supply Chains Due Diligence Act, Right to repair



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# Sustainable IT – the “Elephant” in the Room

- Is it IT, that uses less energy?
- Is it IT, that can be recycled but not repaired?
- Is it IT, that comes from a supplier that is not respecting human rights?

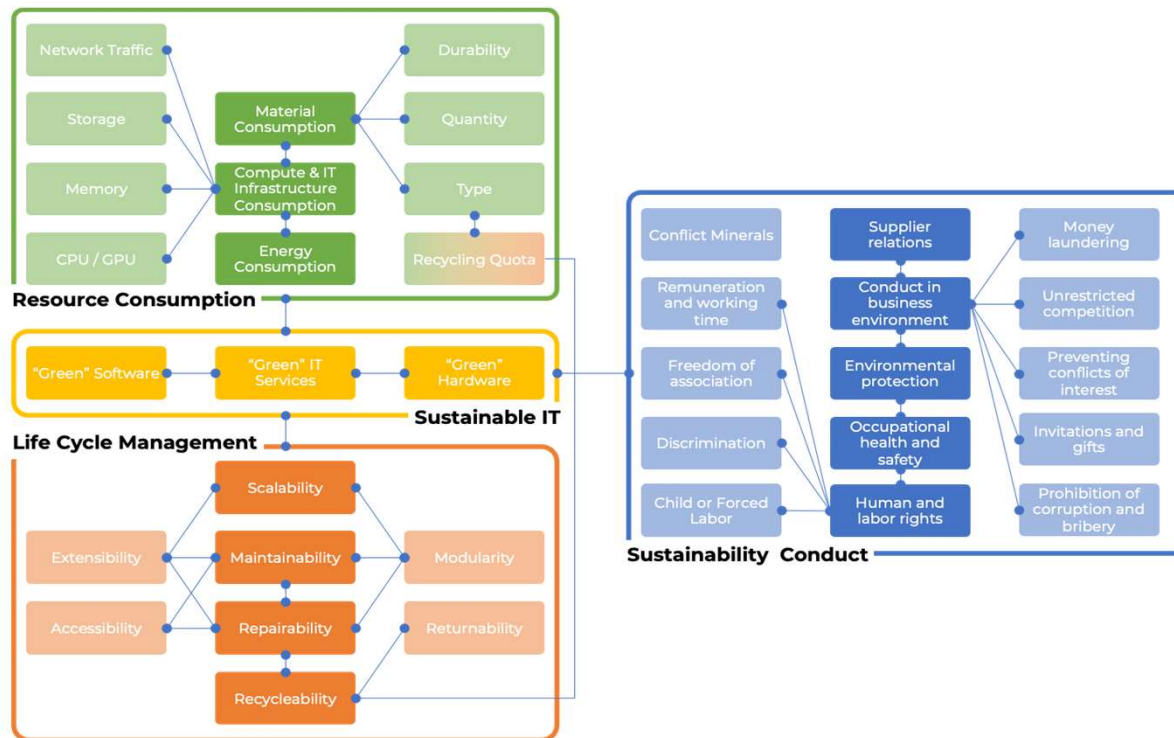


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# Sustainable IT in a „nutshell“

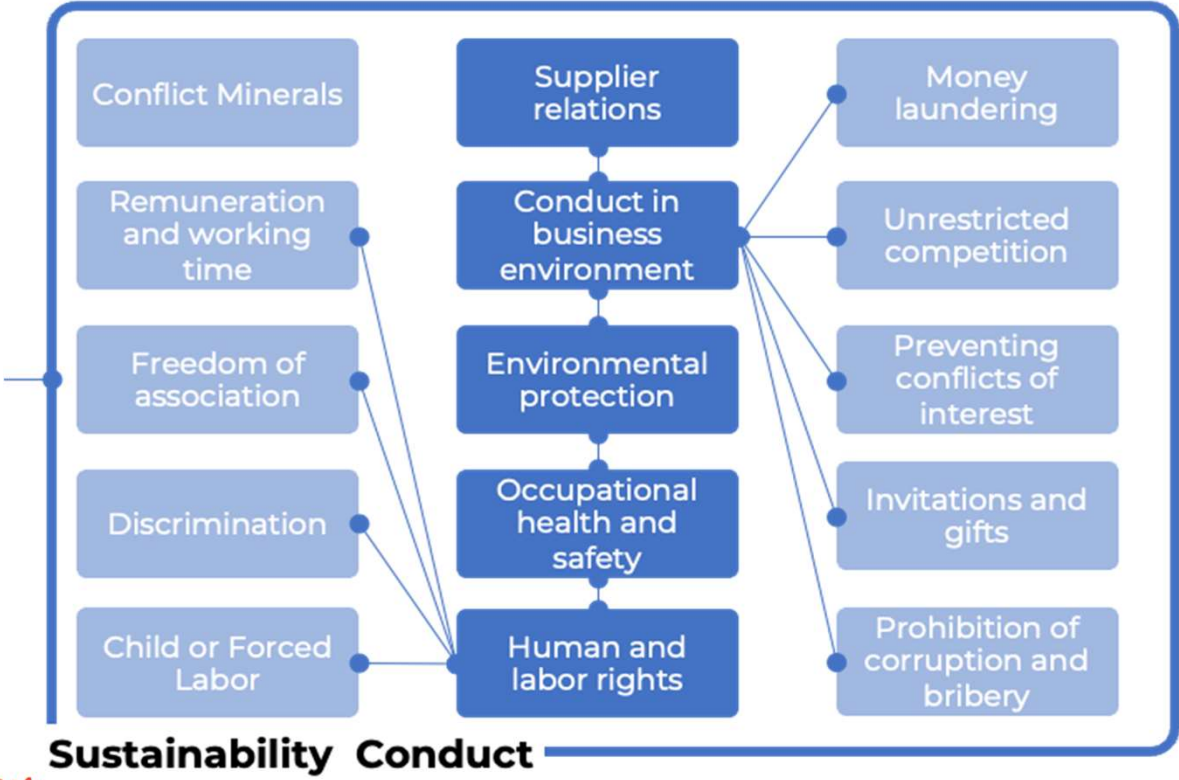


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# Sustainable IT – Sustainability Conduct



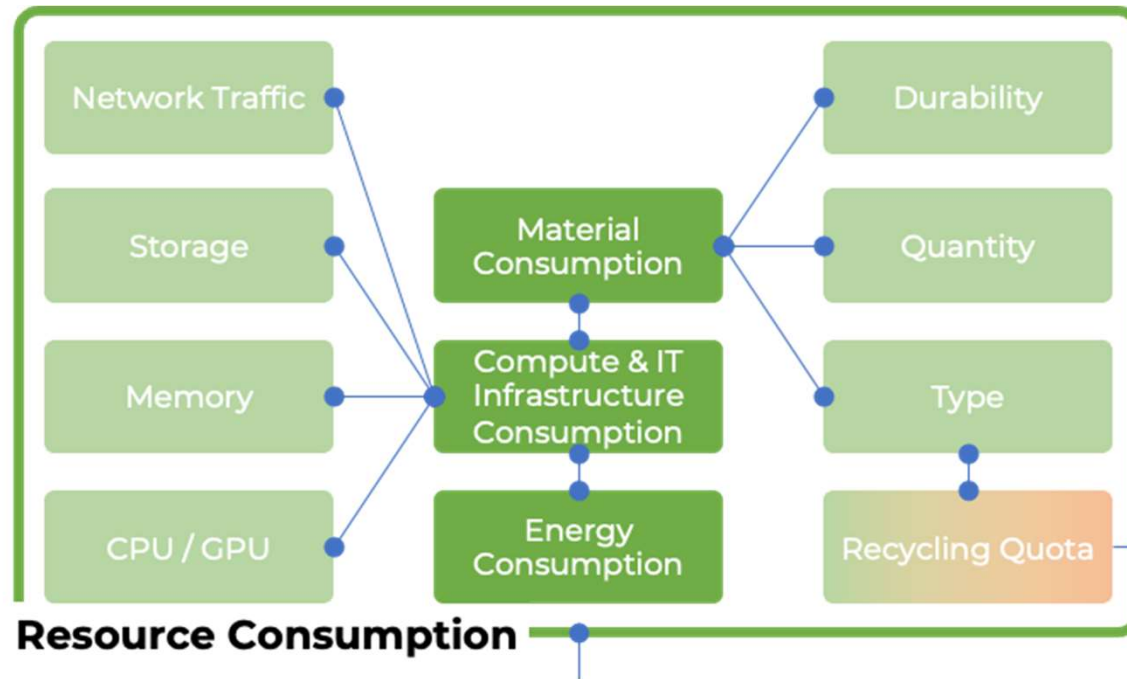
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# Sustainable IT – Resource Consumption

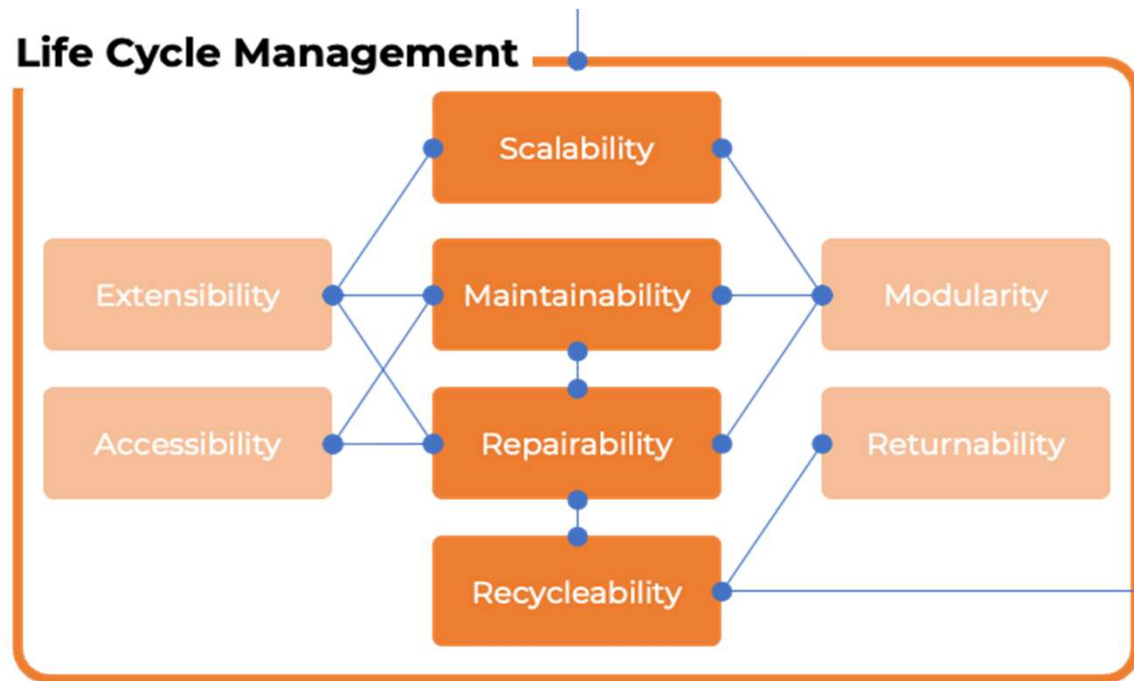


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# Sustainable IT – Resource Consumption



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# Examples for Sustainable IT

- To address changing buying behavior of customers, hardware manufacturers push for innovation to make their products more sustainable

**by reducing the energy consumption of devices or device components or improving the ratio of energy consumed to performance parameters**

**EXAMPLE:** Intel will launch a new generation of superchips in 2024 called "Sierra Forest" for data centers that will deliver more than twice as much computing power per watt of power consumption than the current generation of memory chips

**by making hardware more durable, although using primarily recycled or otherwise fair produced materials.**

**EXAMPLE:** Fairphone has introduced its latest smart phone with a 5-year warranty and 8 years software support, made with more than 70% recycled materials and raw materials mined with minimal environmental

**by following ESG principles and enforcing these principles in their supply chain**

**EXAMPLE:** Cisco has implemented and published a Code of Conduct to capture expectations of the organization towards its suppliers for labor, health and safety, environment, ethics, and management systems and to provide full transparency on identified audit non conformances and actions taken across the globe



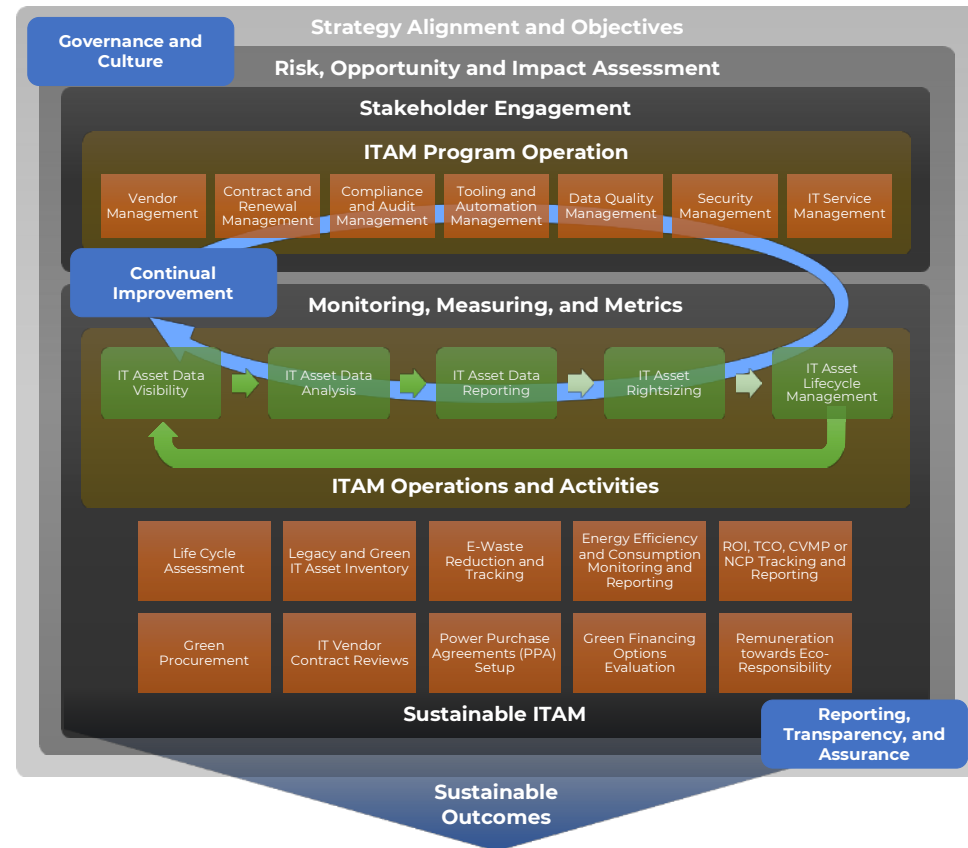
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# Next Level ITAM = Sustainable ITAM

| Process   | Process Objective   | Sustainability adoption – Objective Extension (EXAMPLES)  |
|---|---|---|
| <b>Inform – gather, analyze, and report information</b> |   |   |
| <b>IT asset data visibility</b>                         |   |   |
| <b>Discovery and inventory</b>                          | Discover IT assets deployed (Discovery), and record relevant asset information including metrics used for licensing (Inventory) | The information recorded from IT assets should also include all parameters required to allow for proper documentation of ESG related KPIs, KRIs, and OKRs, e.g. operating time, energy consumption, resource utilization. |
| <b>Contracts and purchase transaction details</b>       | Gather and record IT asset related contracts, and related purchase transaction and spend information                            | Any contractual terms and conditions addressing sustainability should be documented together with any IT asset related PCF or supplier related CCF.   |
| <b>Normalization</b>                                    | Convert discovery and inventory data, as well as contracts and purchase transaction details, into consistent usable formats     | Connectivity with data governance and innovation is crucial to ensure organizational intelligence is available on green IT to leverage emerging technology and sustainability innovation.                                 |
| <b>Metering and usage</b>                               | Record IT asset usage information   | The records should include sustainability parameters such as compute resources, IT infrastructure, and energy consumption.  |
| <b>Demand forecast</b>                                  | Gather, record, and validate with the relevant stakeholders future demand forecast for IT assets                                | As part of the demand forecast sustainability requirements related to green IT should be considered.  |
| <b>IT asset data analysis</b>                           |   |   |
| <b>Spend and entitlement</b>                            | Analyze contracts and purchase transaction details to develop IT asset spend and entitlement information                        | The information collected on spend should include asset value parameters that recognize the value and use of an impact to social and environmental capital and therefore sustainable business.                            |
| <b>Consumption</b>                                      | Analyze discovery and inventory details to develop IT asset consumption information   | As part of the IT operation an organization should monitor the compute resource, IT infrastructure, and energy consumption to allow for a continuous comparison with specified values.                                    |
|   | ...   | ...   |



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# Focus Areas of Sustainable ITAM

Education / training  
for internal and  
external staff  
including suppliers

ITAM life cycle  
assessment

Legacy and green IT  
asset inventory

E-waste reduction and  
tracking

Energy efficiency and  
consumption  
monitoring and  
reporting for IT assets

ROI, TCO, CVMT or  
NCP tracking and  
reporting on IT assets

Green procurement

Vendor contract  
reviews for IT asset  
lifecycle

Power purchase  
agreements (PPA)  
setup from renewable  
energy suppliers

Green financing  
options evaluation  
from stakeholders,  
bankers, and  
financiers

Remuneration  
towards eco-  
responsibility



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# ISO Standard on Sustainable ITAM

- WG21 is working on a technical specification (TS) as an extension to the ISO/IEC 19770-1 Standard:
  - will be published as “Sustainable IT Asset Management — Guidance on the incorporation of sustainability aspects in an IT Asset Management System” (19770-13),
  - is currently in the so called “ballot-phase” and expected to be available for purchase from the ISO website end of Q3 / beginning of Q4 2024,
  - will be revised on an annual basis to ensure full alignment with changing standards and frameworks related to sustainability in general and IT related requirements in particular
    - **First edition** – definition and implementation of sustainable ITAM
    - **Second edition** – maturity framework for sustainable ITAM
    - **Third edition** – mapping with key sustainability standards



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