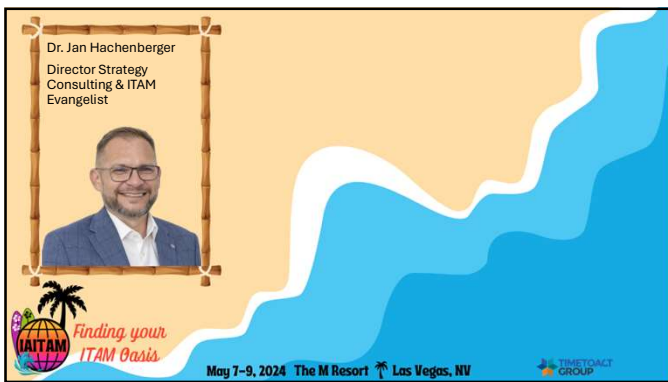




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Sustainability

- 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“

Resource Consumption

Life Cycle Management

Sustainable IT

Sustainability Conduct

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Sustainable IT – Sustainability Conduct

Sustainability Conduct

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Sustainable IT – Resource Consumption

Resource Consumption

Sustainability

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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

<p>by reducing the energy consumption of devices or device components or improving the ratio of energy consumed to performance parameters</p>	<p>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</p>
<p>by making hardware more durable, although using primarily recycled or otherwise fair-produced materials.</p>	<p>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</p>
<p>by following ESG principles and enforcing these principles in their supply chain</p>	<p>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</p>

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Next Level ITAM = Sustainable ITAM

Process	Process Objective	Responsible Parties (Internal/External)
Identify value streams, map dependencies, and determine priority	Identify value streams and dependencies to determine priority	Business units, ITAM, and external stakeholders
Inventory and	Identify and inventory ITAM assets and dependencies	Business units, ITAM, and external stakeholders
Classify and	Classify ITAM assets and dependencies	Business units, ITAM, and external stakeholders
Monitor and	Monitor ITAM assets and dependencies	Business units, ITAM, and external stakeholders
Report and	Report ITAM assets and dependencies	Business units, ITAM, and external stakeholders
Improve	Improve ITAM assets and dependencies	Business units, ITAM, and external stakeholders

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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, CVM 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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