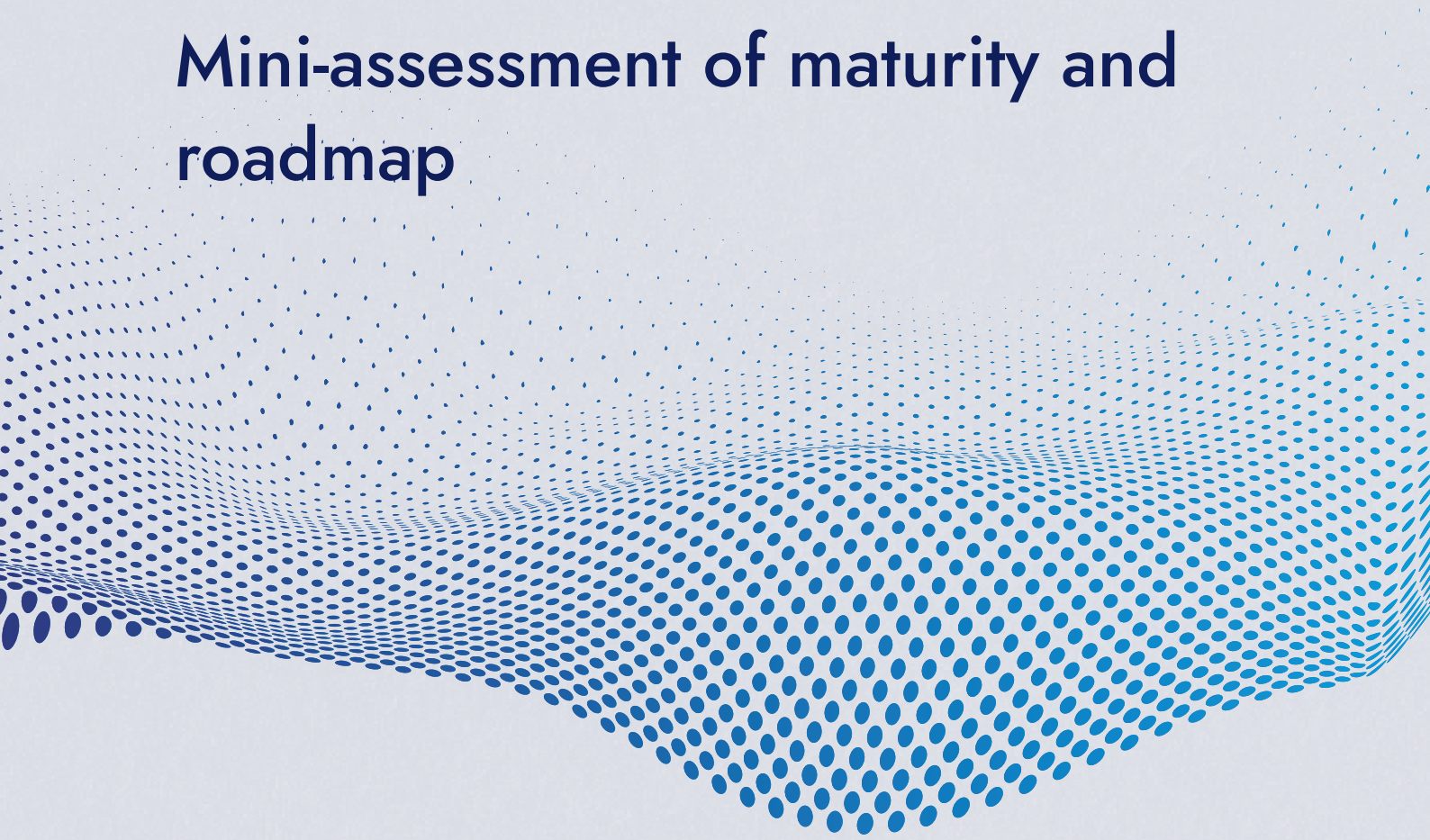
SPIE ICS

SUSTAINABLE IT: WHERE ARE YOU AT?

Mini-assessment of maturity and roadmap



SPIE, sharing a vision for the future

15 QUESTIONS TO EVALUATE YOUR IT

This mini assessment provides you with an initial overview of your level of maturity in Sustainable IT practices through 15 questions covering the 5 key dimensions of the topic.

In 10 to 15 minutes, identify your strengths, areas for improvement, and the first steps to take to structure your approach.

This questionnaire is based in particular on work conducted by a number of French organisations, including the Institute for Sustainable IT (INR), the Interministerial Directorate for Digital Affairs (DINUM), the National Agency for Territorial Cohesion (ANCT), and their service providers, as well as on the frameworks and publications of Cigref and AGIT.

This mini assessment is an excellent starting point for launching a Sustainable IT initiative and raising awareness among teams. However, it does not replace a comprehensive maturity assessment, which allows for an in-depth analysis of the organisation's practices, impacts, and priorities for action.

5 FACTORS THAT INFLUENCE IT EMISSIONS AND RISKS

GOVERNANCE	Strategy and Governance - Budget and Performance - Risks
ENGAGEMENT	Awareness - Communication - Training - External Engagement & Partnerships
PROJECTS	Project Strategy and Management - Development - Innovation
PROCUREMENT	Procurement Strategy - Sustainable IT Selection Criteria - Contractual Clauses
USAGE	Work Environment - Decommissioning - Data & Network

RATING SCALE

0	→	Not implemented
1	→	Partial, isolated
2	→	In progress, not widespread
3	→	Structured and deployed
4	→	Exemplary

Not implemented | Partial, isolated | In progress, not widespread | Structured and deployed | Exemplary

GLOSSARY

SIT: Sustainable IT
LCA: Life Cycle Assessment
CSR: Corporate Social Responsibility

1.

GOVERNANCE

Without clear leadership from management, Sustainable IT remains merely an intention. Governance is the foundation of any sustainable initiative

DIAGNOSTIC QUESTIONS			SCORE	INITIAL ACTIONS
1	→	Does my organisation have a Sustainable IT strategy integrated into its CSR approach?	0 1 2 3 4	Appoint a Sustainable IT (SIT) lead or team
2	→	Is there a designated Sustainable IT lead?	0 1 2 3 4	Incorporate Sustainable IT into existing governance bodies (CSR committee, IT, Executive Committee)
3	→	Is there a commitment from my management (policy, charter, external communication)?	0 1 2 3 4	Formalise an SIT commitment at the executive level (Signing of the SIT Charter)
4	→	Has a Sustainable IT assessment (diagnosis, LCA, etc.) been conducted?	0 1 2 3 4	Conduct an initial Sustainable IT assessment

GOVERNANCE SCORE	TOTAL/16	AV./4
	.../16	.../4

COMMENT

2.

ENGAGEMENT

The Sustainable IT approach is built together with employees, suppliers, and partners. Awareness-raising is the primary driver of change.

DIAGNOSTIC QUESTIONS			SCORE	INITIAL ACTIONS
1	→	Are my employees aware of and/ or trained in SIT issues?	0 1 2 3 4	Organise an awareness workshop for specific teams (Digital Fresco)
2	→	Is internal and/or external communication in place?	0 1 2 3 4	Train the SIT contact person in charge to guide the initiative
3	→	Does my organisation collaborate with partners and is it involved in SIT networks?	0 1 2 3 4	Launch an internal campaign on SIT issues (On the issues, eco-friendly practices...)
				Leverage recognised standards and networks to access sector-specific resources
ENGAGEMENT SCORE		TOTAL/12	AV./4	
		.../12	.../4	

COMMENT

3.

PROJECTS

The environmental footprint of a digital service is determined during its design. Integrating SIT criteria early on is far more effective than making corrections after the fact

DIAGNOSTIC QUESTIONS			SCORE	INITIAL ACTIONS
1	→	Do my IT projects incorporate SIT considerations during decision-making?	0 1 2 3 4	Raise awareness and train development teams in eco-design
2	→	Does my organisation have an eco-design framework for development?	0 1 2 3 4	Add a digital frugality criterion to the project decision-making matrix
3	→	Are my innovation teams aware of SIT issues?	0 1 2 3 4	Conduct an analysis of the usage rate of existing application features
				Enrich Data/AI policies with SIT issues

PROJECTS SCORE	TOTAL/12	AV./4
	.../12	.../4

COMMENT

4.

PROCUREMENT

Approx. 80% of the digital carbon footprint comes from equipment manufacturing (FR, excluding data centres located abroad). This observation also holds for Switzerland (Resilio). Procurement is therefore the primary lever for reduction, well ahead of usage.

DIAGNOSTIC QUESTIONS		SCORE	INITIAL ACTIONS
1	→ Has my organisation defined an IT procurement strategy that includes SIT criteria?	0 1 2 3 4	Formalise a list of criteria for responsible IT procurement
2	→ Does my organisation prioritise eco-labelled, refurbished, or reused equipment?	0 1 2 3 4	Test the purchase of refurbished equipment on a pilot scale
3	→ Does my organisation request environmental data from its cloud hosting providers?	0 1 2 3 4	Request a customised environmental report from cloud providers

PROCUREMENT SCORE	TOTAL/12	AV./4
	.../12	.../4

COMMENT

5.

USAGE

The usage phase encompasses concrete levers that are often quick to implement. Digital frugality begins with teams' daily practices.

DIAGNOSTIC QUESTIONS			SCORE	INITIAL ACTIONS
1	→	Does my organisation manage the lifecycle of its IT equipment?	0 1 2 3 4	Define a target lifespan for key IT equipment
2	→	Is my end-of-life equipment subject to a traceable reuse or recycling process?	0 1 2 3 4	Implement a process for collecting and recycling end-of-life equipment
3	→	Is a strategy for frugal data management in place?	0 1 2 3 4	Define storage rules per user and archiving rules
4	→	Is my IT infrastructure optimised to limit its energy consumption?	0 1 2 3 4	Communicate digital best practices to employees (plain text email, sharing links vs. Attachments)
5	→	Are digital best practices promoted among users?	0 1 2 3 4	

USAGE SCORE	TOTAL/20	AV./4
	.../20	.../4

COMMENT

SUMMARY AND OVERALL SCORE

DIMENSIONS	NB OF QUESTIONS	TOTAL SCORE	AVERAGE RATING/4
GOVERNANCE	4	.../16	.../4
ENGAGEMENT	3	.../12	.../4
PROJECTS	3	.../12	.../4
PROCUREMENT	3	.../12	.../4
USAGE	5	.../20	.../4
TOTAL		.../72	.../4

0-1	Unsustainable	→ Few or no SIT actions in place. High regulatory and reputational risks.	URGENT
1-2	Low	→ Isolated initiatives, lacking overall consistency. Significant room for improvement.	PRIORITY
2-3	Reasonable	→ Initiative underway but incomplete. Identifying potential for quick wins.	RECOMMANDED
3-4	Exemplary	→ Advanced maturity. Continuous optimisation and external communication are possible.	VALUE CREATION

SUSTAINABLE IT : GOING FURTHER WITH SPIE ICS

We support our clients throughout the entire lifecycle of their IT: from measurement to action.

1 ASSES	Measuring impacts. Evaluating maturity and risks
2 BUILD	Establishing a strategy and its objectives
3 ACT	Reducing the carbon footprint and implementing solutions for digital efficiency
4 SHARE	Communicate with and raise awareness among employees and stakeholders

INITIATING YOUR SUSTAINABLE IT JOURNEY

OUR SERVICES

IT lifecycle assessment: Assess your IT footprint and develop an emissions reduction plan.

Maturity assessment: 360° evaluation of your Sustainable IT Maturity and development of a roadmap.

IT4Green: Building Energy Efficiency. Optimising energy consumption in all types of buildings using AI and digital technologies.

re-useIT: Refurbishment of your IT equipment. B2B IT equipment resale solution.

Workshop: Raise your teams' awareness of the environmental and societal challenges of digital technology through a Digital Collage.

READY TO TAKE IT FURTHER?

Contact us:

spie.ch/sustainable-it

Eleonore Geny : Sustainability Analyst & Consultant

eleonore.geny@spie.com | +41 58 301 10 24