



**ISTITUTO
ITALIANO DI
TECNOLOGIA**

Environmental Policy [P21_TSFD]

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1	First issue	TSFD	EC	22/04/2014
2	Change structure	TSFD	EC	21/10/2015
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1. Objectives and scope

The purpose of this policy is to define IIT's environmental commitment and formalize the actions implemented in order to contribute to the pursuit of Sustainability. All actions of the Environmental Management System that IIT has are implemented in accordance with this document.

2. Names and Acronyms

Actor	Acronym
Technical Services and Facilities Directorate	TSFD

3. Description and implementation

3.1 Purpose

IIT, as an institution at the forefront of major research institutions globally, is aware of the relevance of environmental issues to today's society. For this reason, the research carried out by IIT is aimed at having a positive impact on the protection of the Environment (Earthcare), considered one of the major challenges of the 21st century.

In the Strategic Plan 2024-2029, therefore, Sustainability is identified as a priority theme, for which several Research Units (RTOs) are working through the exploration of innovative environmental solutions.

In order to stimulate broader synergies, these UDRs have been included in a cross-sector Flagship program called *Technologies for Sustainability*, which includes several groups working in areas such as: energy, recycling and reuse, water treatment and remediation, agricultural systems, ocean monitoring, and green electronics and robotics. All areas are clearly linked to the [United Nations' 17 Sustainable Development Goals \[Ref.01\]](#), with the goal of achieving a zero-waste, zero-emission, zero-hunger world with circular materials, optimized energy efficiency, and sustainable water and land management.

In parallel with its efforts in the scientific-technical sphere, IIT aims to minimize its environmental impacts and CO₂ emissions, in the belief that **Sustainability is not only an end to its research, but also a means by which research is achieved through the optimal management of the infrastructure and services that make it possible.**

3.2 Objectives

IIT's environmental commitment is realized through the objectives stated in the following points.

- **To implement research that explores in the present the sustainable technologies of the future.** Through the Technologies for Sustainability Flagship IIT aims to:
 - use their ability to manipulate matter at different levels to create a world without pollutants, understood as plastics, heavy metals, toxic nanomaterials, fireproof materials, volatile organic compounds and greenhouse gases;
 - Reduce the socioeconomic impact of global warming;
 - Research technologies for the energy transition;
 - Produce technological materials with reduced environmental impact;

- Contribute to the achievement of the United Nations Sustainable Development Goals.
- **Ensure that the infrastructure and services that enable the implementation of research are managed in a way that optimizes its environmental performance.** To this end, IIT strives to:
 - protect the environment and promote its protection by identifying environmental aspects on which its activities, whether research or support, may have impacts;
 - employ all necessary means to ensure compliance with applicable environmental legislation and to match any benchmark good practice;
 - To minimize negative impacts on the environment as much as possible to protect human health and the environment itself;
 - Minimize its CO₂ emissions as much as possible;
 - Optimize the energy performance of their buildings;
 - Monitor and optimize waste generation and reduce raw material consumption;
 - Pay special attention to the management of hazardous substances that IIT purchases, uses and produces;
 - Decrease its contribution to pollution (e.g., air and water);
 - Establish operating methods that take into account the environmental aspects of each work activity;
 - Carry out activities and communication campaigns aimed at increasing the environmental awareness and involvement of staff;
 - Develop awareness of the environmental implications of mobility;
 - Pursue environmental protection from a life-cycle perspective, with specific monitoring of suppliers and their attention to the environment;
 - measure and continuously improve environmental performance, both relative to research and support activities, while maintaining maximum transparency and attention to stakeholders.

3.3 Implementation

In order to ensure the implementation of its environmental objectives, IIT has an [Environmental Management System \(EMS\) \[Ref.02\]](#) in accordance with ISO 14001, which allows for oversight of all relevant environmental aspects with a view to minimizing them as much as possible. The EMS applies to all centers of IIT; for the following locations: Center for Convergent Technologies (CCT), Center for Human Technologies (CHT), Center for Robotics and Intelligent Systems (CRIS), compliance with the standard is certified by an independent verification body.

Various monitoring activities are carried out in the context of the EMS to ensure optimal management of infrastructure and services.

The EMS acts on all levels of the organization, striving for broad involvement of all staff to foster an internal environmental culture and to involve everyone in the commitment to Sustainability.

There is also provision for the appointment of an Environmental Management System Coordinator to oversee the implementation of the defined objectives. These objectives, translated into measurable targets, are periodically reviewed in order to ensure that they are in line with any new environmental needs and changes in IIT's activities.

To complement its EMS activities, IIT periodically carries out an inventory of its headquarters' Greenhouse Gas emissions (CCT), in accordance with ISO 14064-1: this tool ensures systematic monitoring of emissions, is a tool to support decisions on efficiency improvement activities, and enables the definition of trends in the values found over time.

4. Responsibility matrix

Responsible (R)

The Office or Directorate that, one and only, has the expertise and resources necessary to complete the activity and that has primary responsibility for completing the activity.

Accountable (A)

The Office or Management that, one and only, is accountable for the success or failure of the activity and has ultimate responsibility for it.

Consulted (C)

Office or management that has specific knowledge or expertise useful in completing the activity and should be consulted and involved in the execution of the activity.

Informed (I)

Office or management that has an interest in the activity, but does not have an active role in its execution, and must be informed of the progress or completion of the activity.

Process/Actor	R	A	C	I
3.3 Implementation (ownership Environmental Management System)	Environmental Management System Coordinator	TSFD	Functions that may be involved in the various EMS processes	All IIT

5. Documents, tools and sources

ID	Type	Name	Use	Link
1	Guidance document	UN Sustainable Development Goals	Consultation and compliance with the guidelines contained therein	https://www.un.org/sustainabledevelopment/sustainable-development-goals/
2	IIT procedures and policies	Environmental Management System	Consultation and compliance with the rules therein	https://intranet.iit.it/offices/technical-service-and-facilities/sga