## **RESEARCH THEME**

XLI Cycle – a.y. 2025/2026

Title of the doctoral research Sustain	able Interaction Design
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Abstract	As digital technologies increasingly shape our everyday lives, the environmenta impact of interactive systems has become a critical concern. This PhD research explores Sustainable Interaction Design (SID), focusing on strategies to reduce energy consumption, minimize e-waste, and promote long-term usability ir digital interfaces and services. The study aims to bridge interaction design human- computer interaction (HCI), and sustainability, developing frameworks and design principles that encourage eco-conscious design, user behaviors and system efficiency.
	Key research questions include: How can interaction design influence energy-efficient behaviors? What role does longevity and repairability play in sustainable UX? How can digita interfaces communicate environmental impact to users effectively?
	The research will employ design-driven methodologies, prototyping, and user studies to test sustainable design interventions. The goal is to define actionable guidelines for designers, policymakers, and developers, contributing to a more sustainable digital future.

Keywords

Sustainable Interaction Design, Research Through-Design, Sustainable HCI