

## The Technion Sustainability Frontier

Mission Statement (03.05.2023)

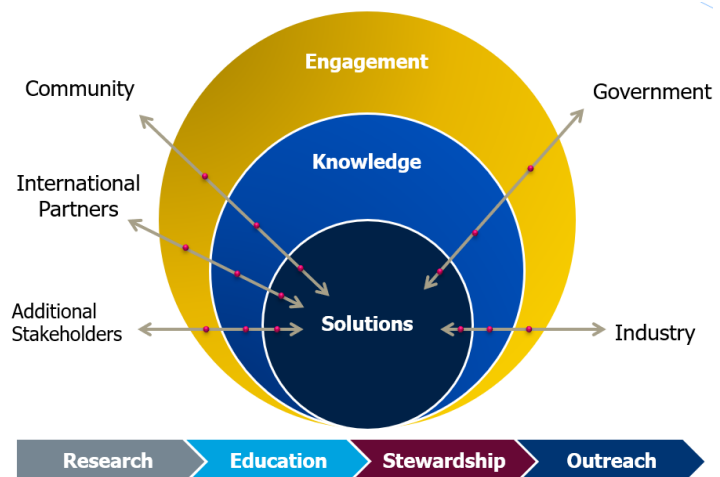
### Vision:

The Technion will harness its capabilities and resources to address the grand challenges facing life on our planet, by developing innovative and sustainable technological solutions, expanding knowledge and expertise in the field, and fostering public engagement. The Technion Sustainability Frontier (TSF) will serve as a beacon for academic and operation leadership for the entire Technion community and beyond, empowering people to take action for a sustainable future.

### Mission:

The TSF sets goals and promotes action for sustainability across Technion activities in an effort to leverage Technion capabilities and assets into cutting-edge, meaningful, and engaging environmental outcomes. Serving as the central hub for sustainability on campus, the TSF establishes, facilitates and coordinates Technion-wide activities, engaging faculty, students and staff in joint research, education, stewardship and outreach activities (RESO).

In its quest to promote solutions to the world's pressing challenges in climate change and environmental protection, renewable energy, natural resources, sustainable food and sustainable cities, the TSF advances inter-disciplinary research, innovation and tech transfer. The TSF supports research and scientific discovery in sustainability, and disseminates that knowledge within the Technion community and beyond. The TSF advances a broad understanding and engagement on the current challenges and necessary steps



to regain a sustainable world. Within these realms, the TSF fosters multi-disciplinary collaboration and synergy between Technion departments and centers, researchers, administrative staff and students, and builds connections with partners from academia, government, industry and civil society in Israel and abroad.

### Goals:

- Promote the development of solutions for a sustainable world through advancing basic and applied research, creating knowledge needed for policy and decision making.
- Cultivate sustainability education and leadership in various formats and disciplines, to ensure that Technion students, staff and researchers have a comprehensive understanding of the issues at hand and are motivated and equipped for contributing to the global effort for sustainability.
- Incorporate sustainability considerations and environmental commitment into all aspects of decision-making processes on campus, to minimize the environmental footprint of the Technion and promote a culture of sustainability.

- Engage with all stakeholders of the greater community (government, industry and civil society) to publicly disseminate knowledge and solutions for sustainability and empower commitment and action on sustainability issues.
- Promote coordination and cooperation within Technion and with external stakeholders, and facilitate community building to develop a network of dedicated players committed to attaining a sustainable future.
- Create opportunities and support initiatives to attract talent (faculty, researchers, staff and students) and raise resources (donations and competitive funding) to the Technion in the field of sustainability.

#### Modus operandum:

The Technion Sustainability Council (TSC) is a voluntary forum that, first and foremost, serves all Technion citizens. Small and agile, the TSC is comprised of ~15 members representing a majority of the Technion faculties, including the core faculties engaged in sustainability in their research and education programs. The Deputy Senior Vice President for Sustainability (TSF Head) chairs the TSC.

The TSC is responsible for the TSF's development and strategic planning and focuses on nucleating action addressing grand sustainability challenges. It creates programs with the help of professional, ad-hoc working groups appointed for a set term to analyze and provide recommendations to the TSC on specific prioritized subjects.

As a campus-wide initiative that serves as a convener for all those engaged in sustainability activities at the Technion, the TSF (through the TSC) facilitates coordinated, bottom-up development and supports new ideas and wide-scale programs. The TSC thus maintains direct communication with the faculties, relevant centers and units and ensures the faculties' representation in the council and its various working groups. Individual faculty members, administrative staff members and students are also invited to present ideas and discuss operational plans.

The TSC advises the Technion management on all sustainability-related issues, and serves as a point of contact for the entire Technion community and external stakeholders for any issue related to sustainability. As the aim of the TSF is to create broad impact on society, it proactively builds connections with relevant stakeholders (business, government, community) and pursues opportunities for the Technion to lead and contribute.

