

# Empowering Sustainability with Digital Innovations





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# Executive Summary

## Introduction

Digital Sustainability Association (DSA) is a non-profit organization established in 2023, headquartered in Geneva, Switzerland. The association was founded in response to the urgent need to address environmental challenges and promote sustainable development. DSA's mission is to leverage digital technology to advance sustainability and mitigate environmental impacts. The association aims to achieve this by bringing together experts and organizations in the field of digital sustainability to share knowledge, engage in collaboration, and drive innovation towards a sustainable future.

## Membership

DSA's membership consists of individuals and organizations from diverse backgrounds and professional fields. Members include industry leaders, academics, policymakers, and NGOs, among others. They share a common interest in advancing digital sustainability and mitigating environmental impacts.

## Mission and Vision

**Our Mission:** Empowering global individuals and institutions with digital technologies to achieve their sustainable development goals.

**Our Vision:** Advancing digital sustainability in global communities through research, education, advocacy, and cooperation.

## Founders' Team

Our co-founders' team consists of passionate PhDs from ETH Zurich, Tsinghua University, University of Oxford, Massachusetts Institute of Technology, Technical University of Munich, University of Munich, Hong Kong Polytechnic University, American University in Cairo, and young professionals from leading industrial companies and international organizations based in Europe, Asia, Africa, and America.





## Focus Areas

DSA focuses on several key areas related to digital sustainability, including ESG impacts, carbon-neutral technology, green energy, smart transportation, and other sustainable practices. These areas are critical for achieving a sustainable future and reducing environmental impacts.

## DSA Activities

DSA organizes several activities throughout the year to promote digital sustainability, including the Digital Sustainability Forum, SusTech Workshop, PhD Round-Table, Summer/Winter School, and DigiSus Hackathon. These activities bring together experts from different fields to share knowledge, exchange ideas, and develop innovative solutions for sustainability.

### SusTech PhD Round-Table

The PhD Round-Table is an exciting platform that brings together young researchers and experts in the field of digitalization and sustainability. Founded by a team of shared-minded PhD students from ETH Zurich, EPF Laussane, Tsinghua University, and others, the round-table aims to provide a space for participants to present their work, exchange ideas, and explore new research topics. With a focus on specific themes for each session, the round-table event has attracted hundreds of online attendees each time since its inception in 2022.



By fostering cross-disciplinary collaboration and knowledge-sharing, the round-table enables

young researchers to gain a deeper understanding of emerging trends and challenges in their field. With a supportive environment that encourages exploration of new research topics and methodologies, the round-table serves as a valuable initiative that cultivates the next generation of scholars and thought-leaders.

### Global South Aid Project

Global South Aid Project aims to alleviate poverty in disadvantaged communities across the global south by providing access to basic needs and creating local job opportunities. To accelerate our impact, we plan to leverage digital technology, such as mobile payment systems and crowdfunding platforms, to raise funds and efficiently distribute aid. We will also use AI and data analytics to identify communities in need and tailor solutions to their specific needs.

By partnering with local organizations and volunteers, we aim to create sustainable change and empower communities to become self-sufficient. Investing in these communities not only improves individual lives but also contributes to the overall economic growth of the region. Global South Aid Project is committed to promoting a more equitable and just world by making a positive impact on the lives of those in need.



### Youth Leaders DigiSus Dialogue

Global Youth Leaders Dialogue facilitates conversations between young leaders from diverse backgrounds on pressing global issues. Through



virtual dialogues and workshops, participants explore topics including human rights, environmental sustainability, social justice, and global health.

Our aim is to empower young leaders to effect positive change in their communities. To achieve this, we plan to incorporate digital technology into our programs, including virtual reality and AI, to enhance the experience for participants and provide them with the tools and resources needed to create a better future. By promoting collaboration and mutual respect, we aim to build a global community of young leaders committed to positive change. This inclusive and diverse project welcomes young people from all backgrounds.



## Indigenous People' Voice

Indigenous People Voice plans to incorporate digital technology and AI into our programs and initiatives to accelerate sustainable development in indigenous communities worldwide.



For example, we will use digital platforms to provide better access to information, resources,

and training on sustainable practices. AI can help identify environmental risks and develop strategies to mitigate them. We will also use digital tools to monitor progress and identify areas for improvement in sustainable development plans. By leveraging these technologies, we aim to empower indigenous communities to take ownership of their own development and build a better future for themselves and future generations.

## Future Events

In the future, DSA aims to organize a range of large scale and on-site events to promote digital sustainability and facilitate knowledge sharing among stakeholders. These events will include the Digital Sustain Forum, which will provide a platform for experts, researchers, and practitioners to discuss the latest developments and challenges in the field of digital sustainability. Additionally, the SusTech Workshop will focus on emerging technologies and their potential impact on sustainability. The Summer and Winter Schools will offer training and capacity building for young professionals interested in digital sustainability, while the DigiSus Hackathon will encourage innovation and collaboration among participants to develop sustainable solutions for real-world challenges. Through these events, DSA aims to foster a community of practitioners and experts who can work together towards a more sustainable future.

## Summary

DSA is a leading organization promoting digital sustainability, bringing together experts from different fields to collaborate and develop innovative solutions for sustainability. Through its activities, DSA aims to promote awareness of the importance of sustainability and drive positive change towards a sustainable future.

## Contact

For more information on DSA, please visit our website at [www.digisus.org](http://www.digisus.org)

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