

31 May 2023 SwissTech Convention Center, Lausanne

Showcase 2030

Switzerland's Sustainable **Innovation Summit**

2023 IMPACT REPORT













Created initially as a platform to present research on sustainability, Showcase 2030 has now evolved into an ecosystem platform to foster collaborative dialogue, present the latest progress on sustainability challenges and solutions and ultimately push stakeholders to engage and act.

Through this event, we want to convey the message that solutions to advance sustainable development already exist: we now urgently need to join forces across sectors and lead transformative change towards a sustainable and inclusive society.

Alessandra Rojas, Co-Lead Innovation at E4S and Showcase 2030 Lead











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FOSTERING AN ECOSYSTEM OF CHANGEMAKERS TO BUILD A NET POSITIVE PLANET

Our society is at a turning point as we are currently facing the immense challenge to transform our industries, systems and socio-cultural practices to build a truly sustainable, inclusive and resilient future for our planet and society.

Such a transformation requires a collaborative and interdisciplinary effort among multiple stakeholders - from economic actors, to academia and our civil society - to rapidly scale up the implementation of already existing solutions in all industries, to develop socio-ecological innovation and tech when needed, and to redesign our behavior and society's paradigms for a systemic change.

Within this context, it is imperative to create spaces of interaction that foster fruitful exchanges, inspiration, dialogue and the development of new thinking between all stakeholders. This is the main motivation behind the creation of Showcase 2030.

Showcase 2030 is an impact innovation summit that gathers an ecosystem of academia, businesses, start-ups, changemakers, from investors, organizations, NGOs, policy-makers and the civil society, to engage in a collaborative, action-driven, multi-stakeholder platform to build a net-positive planet.

Specifically, Showcase 2030 aims to:



Foster new cross-sectoral collaborations and transformative initiatives around priority topics together with leading stakeholders and organizations



Feature the most compelling entrepreneurial and innovative initiatives stemming from the E4S' three founding institutions (UNIL, IMD, EPFL) and the region.



Showcase the diversity, dynamism, and strength of the sustainable innovation ecosystem in the Lemanic area















THE 2023 EXPERIENCE

This year's edition was built around three main topics central to the current sustainability agenda: Climate Action, Nature & Biodiversity, and Equity & Inclusion. The topics guided the agenda in both the plenary and the masterclasses led by our expert speakers and organizations who provided inspiring insights into each agenda block.

CLIMATE ACTION

BIODIVERSITY & NATURE

EQUITY & INCLUSION

The program was ideated to offer an engaging experience to participants, combining plenary sessions, masterclasses and a solutions exhibition in the venue's foyer - all to reflect the diversity of participants and provide a dynamic, collaborative experience:

In-depth talks and fireside chats by leading impact experts **VISIONARY KEYNOTES**

across sectors

Deep-dive workshops and learning activities for talent **MASTERCLASSES**

growth and further engagement

A space featuring promising impact-driven innovations **SOLUTIONS EXHIBITION**

tackling sustainability challenges across industries

SHOWCASE 2030 PARTNERS

This Showcase edition was hosted thanks to the invaluable support and collaboration from our partners, including our strategic partners: Fondation Valery and the Canton de Vaud; our community partners: CleanTech Alps, Solar Impulse Foundation, Nature Finance, Swiss Youth for Climate, One Young World Switzerland, and event partners Quantis, Planted and Point Vert.









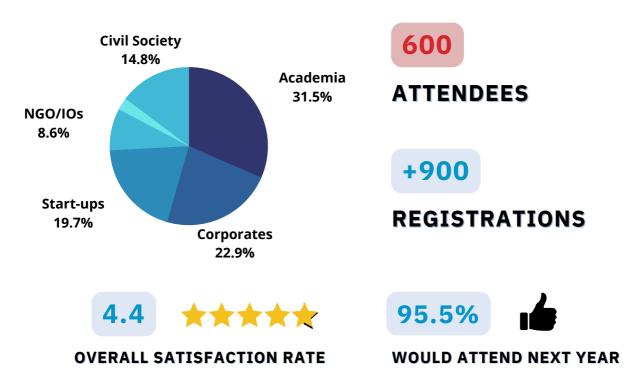






OUR IMPACT AT A GLANCE

This year Showcase 2030 welcomed a diverse audience from academia, industry, international organizations, civil society and government representatives, and achieved the highest number of registrations so far and same-day attendance. Participants indicated their top 3 gains from Showcase were to be inspired (79%), acquire additional knowledge (74%) and expand their network (61%).



WHAT SHOWCASE 2030 PARTICIPANTS SAID ABOUT THE EVENT



Inspiring, energizing, and action-oriented. This is how I would define the Enterprise for Society Center (E4S)'s Showcase 2030 event that Naturbeads attended. More motivating than ever, we had a day packed with thought-generating and insightful talks. The core message is that sustainable development is possible, sustainable solutions exist, and companies with a purpose are a critical part to drive the change."

Gianluca Merola, Chief Commercial Officer, Naturebead

Read more about participants insights on p.6.



THE PLENARY

The main stage hosted a vast number of inspiring speakers, representing various sectors following a conscious effort to balance type of organization, gender and age group. Showcase participants highlighted the high expertise of the speakers and the dynamic format provided whereas speakers indicated an overall positive experience in terms of logistics and format.

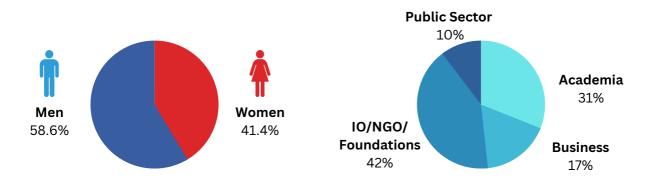
29

SPEAKERS

21

TALKS

KEY FIGURES OF OUR SPEAKERS



SPEAKERS' FEEDBACK







LOGISTICS AND COORDINATION

GENERAL EXPERIENCE

FORMAT OF THE EVENT

AT SHOWCASE 2030, SPEAKERS WERE ABLE TO (TOP 3 CHOICES):



BE INSPIRED



EXPAND THEIR NETWORK



AQUIRE ADDITIONAL KNOWLEDGE

Learnings for next year's edition include supporting the translation of technical content for a broad public, allocating additional time for key talks to go into greater depth and using the platform to also challenge experts and key industry players on stage.



THE EXHIBITION

In a dedicated exhibition space, 30 organizations presented pioneering solutions that are making great strides toward the achievement of a more sustainable and inclusive society. Following a straightforward selection process together with our expert partners CleanTech Alps, Solar Impulse Foundation, InnoVaud and the FIT Foundation, we carefully selected the organizations with the greatest potential for impact and scalability.

Aiming to create a more immersive experience and build a fil rouge and narrative to guide the public throughout the exhibition, these were presented through the fiction story of Charlie, a woman living in a world where all these solutions have been implemented at scale (see **Charlie's story** p.16).

30

SOLUTIONS



TOPICS ADDRESSED

TOPICS ADDRESSED BY OUR EXHIBITORS













ENERGY

CIRCULARITY

NATURE

WATER

TRANSPORTATION

INCLUSION

EXHIBITORS' FEEDBACK







EVENT OPENING

EXHIBITION NARRATIVE

LOGISTICS AND COORDINATION

AT SHOWCASE 2030, EXHIBITORS WERE ABLE TO (TOP 3 CHOICES):







EXPAND THEIR NETWORK

HAVE A GOOD TIME

BE INSPIRED



INSIGHTS FROM SHOWCASE 2030 PARTICIPANTS



The event was a fantastic platform to exchange ideas, hear from like-minded professionals how to contribute to shaping a more sustainable world. It was truly inspiring to witness the collective efforts and innovative approaches showcased by the participants.

We are grateful to E4S for organizing this impactful event and providing us the opportunity to engage with a diverse range of perspectives in the field of sustainability.



Clara Lerond, Consultant Food & Life Sciences, Alcimed (Participant)



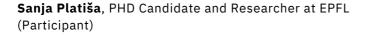


Events like Showcase 2030 bring different actors together and help to build bridges instead of working in silos. That's the solution and we are on the right track when having events like this one.

Carla della Maggiora, Deputy Director, BASE Foundation (Speaker)



Today in Lausanne, I had the opportunity to attend Showcase 2030 - Summit on Sustainable Innovation. This event has left me with many exciting and insightful takeaways, and especially with a powerful reminder that our journey towards a sustainable future must be accessible and equitable for all. "









Events like Showcase 2030 are important because we need to gather people from academia, the private and the public sectors to unite in the fight against climate change."

Jean-Valentin de Saussure, Swiss Youth for Climate Association (Speaker)





ENVIRONMENTAL IMPACT

TOTAL EMISSIONS

19.8T

AVERAGE

0.032T

per participant*

This edition we aimed to better consider at how the event itself can become more from its design to its implementation. In addition, we used STTC site powered by MyClimate to measure the event's carbon emissions and better inform our current and future decisions to ultimately reduce our carbon footprint. Below a summary of the assessment results and some of the actions we implemented.



TRANSPORTATION

15.5

tons of CO2

We encouraged participants to arrive by public transport or bike in all our communication efforts (briefing to speakers, registration form, etc.) Only 12% of participants arrived by motorized vehicle or plane, whereas the majority (88%) arrived on foot, by bike or with public transportation.



MATERIAL & WASTE

2.3

tons of CO2

Printed material has been limited to the strict necessary to avoid paper consumption

deciding for printing a minimum number of flyers, program brochures (50) and participants' badges. All the venue's indications were screened on local TVs. Nevertheless, this is a point where we can still improve e.g. with added speaker material, reusable cups, etc.







FOOD & BEVERAGES

1.4

tons of CO2

We worked with STCC's local caterer **Eldora** to provide a menu that prioritizes locally-sourced, seasonal, and vegetarian products. For protein alternatives, we engaged with **Planted** to offer plant-based meat alternatives. Additionally, we asked participants to confirm their attendance to the lunch and apero beforehand, leading to having no food leftovers at the end of the event.

As this is our first environmental impact assessment, we are aware that we have room for progress. We believe that sustainability is an ongoing process, and will carefully examine how to improve these metrics for the 2024 edition.

^{*}FOR REFERENCE, THE AVG IN SWITZERLAND PER PERSON IS 0.037T PER DAY



SHOWCASE 2030 OUTREACH

Our outreach campaign included both digital and offline efforts, such as website, social media, mailing campaings as well as physical posters on campus and lausanne metro. These actions proved to successfully help us at increasing the visibility of the event, its partners and E4S within the Lemanic region and beyond.

3.4K

WEBSITE VISITS

Between April and June 2023 on showcase2030.ch

WORLD-WIDE VISIBILITY

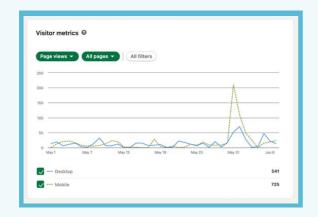
Including website visitors from across Europe



METRO CAMPAIGN

Between 15-28 May 2023 we ran a poster campaign on Lausanne M1





ON E4S LINKEDIN PAGE

+119 % PAGE VIEWS

+77% UNIQUE VISITORS

Between 1 May and 7 June 2023



SHOWCASE 2030 SOCIAL MEDIA BUZZ

+150

POSTS ON SOCIAL MEDIA USING THE EVENT HASHTAG #SHOWCASE2030



Andrea Monti - 2nd
Director & Board Member / Venture Advisor, Impact Investing, Innovation &...
5h - ⑤

After the pandemic lockdown, we have returned to in-person meetings and events: this meant meeting people we have just seen online, or the pleasure of reconnecting with people not seen for a while.

At the same time, we got back to moments of great inspiration and awareness, as it was yesterday for the Showcase2030 event, which brought together a unique blend of academics, entrepreneurs, institutions, practitioners and investors

Many speeches and interactions would deserve to be remembered, my key takeaways are:

"The most important thing is collaboration: we have the SDGs but not the plan to achieve them, we should collaborate". As Sabrina Cohen Dumani reported, it is as simple as that to say, but still, we are late on this, due to the fact that we miss bridges and links between organizations, and creating trust takes time. Events like this allow people to feel more part of the same community and can foster collaboration.

Organization from Enterprise for Society Center (E4S) was great, all went smoothly (at least from the participant perspective!), and setting the scene and discussion on verticals helped to deep dive on #nature and #equality together with the pressing #climate topic. Great to have had Dan Ram to keep the interaction and rhythm high all day!

Looking forward to the next edition hoping to register more progress towards the SDGs!



Hier, nous participions à la conférence #Showcase2030 organisée par le centre de compétence Enterprise for Society Center (E4S).

Parmi les sujets abordés: le développement des énergies renouvelables photovoltaïques et éoliennes, les carburants à hydrogène, l'adaptation des modèles d'affaires et stratégies intégrant l'innovation et les enjeux de la transition pour une économie plus durable, ainsi que la protection de la biodiversité.

Un sujet qui a particulièrement retenu notre attention fut celui des crédits de compensation carbone, présenté par Augustin Fragnière, qui a sensibilisé son audience aux abus de langage en termes de neutralité carbone et à l'importance d'une communication juste et transparente envers toutes les parties prenantes.

Ces questions vous intriguent? Vous souhaitez clarifier votre stratégie et vous positionner par rapport à vos objectifs de réduction d'émissions alignés avec une trajectoire à 1.5°C?

N'attendez plus et prenez contact, nous vous conseillerons avec plaisirs sur ces thématiques complexes!

#innovation #sustainability #co2emissions #climatechangemitigation

See translation



I'm thrilled to announce that Clara Galán Navarro and I had the chance to assist to the prestigious #Showcase2030 event organized by Enterprise for Society Center (E4S) at the Ecole polytechnique fédérale de Lausanne, focusing on sustainability innovation!

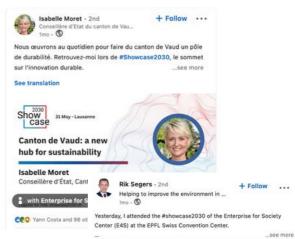
 $\underline{\Psi}$ The event was a fantastic platform to exchange ideas, and hear from likeminded professionals to contribute to shaping a more sustainable world. It was truly inspiring to witness the collective efforts and innovative approaches showcased by the participants.

We are grateful to E4S for organizing this impactful event and providing us the opportunity to engage with a diverse range of perspectives in the field of sustainability. Alcimed remains committed to fostering innovation and sustainability across various industries, and our participation in Showcase2030 further fuels our determination.

We are looking forward for participating in more initiatives in the realm of sustainability innovation to continue to work towards a brighter, greener future!

See you next year #Showcase2030!

#showcase2030 #sustainability #innovation #e4s





Excerpts from public Linkedin Posts made by participants.



31 May 2023 SwissTech Convention Center, Lausanne

THE PROGRAM

ANNEX















Opening

Want to be part of the revolution?

Michaël Aklin, Co-Managing Director, E4S Alessandra Rojas, Co-Lead Innovation, E4S

Shifting perspectives: business models with a purpose

Alex Osterwalder, CEO Strategyzer & IMD Visiting Professor Yves Pigneur, Honorary Professor of Management and Information systems, HEC - University of Lausanne

Climate Action

What is the status of clean solar fuel technology?

Sophia Haussener, Associate Professor, Laboratory of Renewable Energy Science and Engineering, EPFL

Building the supply chain for hydrogen - a case study

Sabrina Cohen Dumani, Founder & CEO, Fondation Nomads

Accelerating the deployment of renewables and energy efficiency through business model innovation

Carla Della Maggiora, Deputy Director, BASE Foundation

Building the Swiss ecosystem for clean energy

Carla Della Maggiora, Deputy Director, BASE Foundation Sabrina Cohen Dumani, Founder & CEO, Fondation Nomads

Solutions from our exhibition

SoHHytec, Sun-Ways, Voltiris, Frigg

From offsetting to climate contribution credits

Augustin Fragnière, Associate Director, Centre de Compétences en Durabilité, UNIL

Reducing vs offseting: how can companies achieve their carbon targets?

Carlos Cordon, Professor of Strategy and Supply Chain Management, IMD Augustin Fragnière, Associate Director, Centre de Compétences en Durabilité, UNIL Owen Bethell, Environmental Impact Lead, Nestlé

The planet we want: the view of youth on climate

Jean-Valentin de Saussure & Ludwig Luz,

Co-Presidents. Swiss Youth For Climate Association















Nature & Biodiversity

The biodiversity agenda for 2030

Thomas Brooks, Chief Scientist, International Union for Conservation of Nature (IUCN)

Can finance and technology make it work for nature?

Jessica Smith, Head of Nature, UNEP Finance Initiative Simon Zadek, Executive Director, NatureFinance

Adding nature in the balance sheet

Renata Pollini, Head of Nature, Holcim Lindsay Lessard, Senior Sustainability Consultant, Quantis

Assessing the cost of nature loss through technology

Edoardo Chiarotti, Senior Researcher, E4S (HEC-UNIL)

Solutions from our Exhibition

Synature, SimplexDNA, Aquascope

Scaling technology for monitoring & transparency

Edoardo Chiarotti, Senior Researcher, E4S (HEC-UNIL)

in dialogue with three organizations present at the Solutions Exhibition

What are we missing in nature? An investor's view

Frederic Hoffmann. Chair. Unearthodox Hiba Larsson, Principal in Nature Investments, NatureFinance

Special contributions by Canton de Vaud

Canton de Vaud: a new hub for sustainability

Isabelle Moret, Conseillère d'État, SPEI. Canton de Vaud

Enabling the transition at Canton de Vaud

Mathias Paquier, Responsable Économie Durable, Canton de Vaud Julien Guex, Secretary General, Fondation pour l'Innovation Technologique (FIT)

Solutions from our Exhibition

DePoly, CompPair, Droople















Equity & Inclusion

Equity, Inclusion & Diversity: the new normal Josefine van Zanten, Chief Equity, Inclusion and Diversity Officer, IMD

True inclusivity in business: the story of Choba Choba Christoph Inauen, Co-Founder, Choba Choba

Pairing innovation and inclusion in business Josefine van Zanten, Chief Equity, Inclusion and Diversity Officer, IMD

Christoph Inauen, Co-Founder, Choba Choba

Solutions from our Exhibition Autonomyo, Biped, Robin des Fermes

Evolving sustainability paradigms: towards regenerative development for the future Özge Aydoğan, Director, SDG Lab



Storytelling: the necessary ally for a successful ecological transition

Guido Palazzo, Professor of Business Ethics, HEC - University of Lausanne

Closing words

Jean-Philippe Bonardi, Co-Managing Director, E4S Julia Bory, Co-Lead Innovation, E4S



















Masterclasses

Hosted as 45-min sessions at the end of the morning program, masterclasses allowed participants to access the expertise of our partner organizations, diving in an array of topics from business modeling and foresight to nature investments. Participants enjoyed the variety of topics available, the focus on practical knowledge and being able to meet with our ecosystem partners.

MASTERCLASSES



PARTICIPANTS

Content

Leveraging foresight, customer insights, and emerging technologies to drive a sustainable transformation

Federico Matteini, Co-Lead, Foresight initiative and Head of KNOVA Open Innovation Platform, EPFL

Thomas Robinson, Co-Lead, Foresight Initiative and Partner, Nextnow.ch

Catalytic nature investment – shaping tomorrow's nature markets

Simon Zadek, Executive Director, NatureFinance Hiba Larsson, Principal in Nature Investments, NatureFinance

Thrive within the planetary boundaries: how to (re)design your business in a climate urgency?

Jean-Valentin de Saussure, Co-President, Swiss Youth for Climate Ludwig Luz, Co-President, Swiss Youth for Climate Clothilde Mahroua, Senior-Impact Analyst, QUADIA















The story of Charlie

Through the story of Charlie, a woman living in a sustainable future, we imagine how our lives would look like if these solutions were scaled up.

Lausanne, 31 May 2030

Charlie wakes up to the sound of birds chirping and the soft glow of sunlight streaming into her bedroom. As she stretches, she smells the clean air coming from her open window, catching a glimpse of a blue sky outside.

As she gets ready to start the morning, she cannot help but reflect how her day-to-day life is driven by ingenious solutions that her parents could only have dreamed of. Charlie recently moved to Beaulieu, in a lovely apartment using renewable electricity and heat produced on-site through **SoHHytec**'s Arb cogeneration system. In the past, switching to renewable energy used to be very costly, but it is now possible thanks to **Servetia** pay-per-use servitization service. After breakfast, Charlie heads out to Lausanne's train station to go to work. As she is waiting on the platform, she notices the **Sun-Ways** solar panels between the rails. They had been integrated into all rail tracks across Switzerland and abroad as a way to increase the number of solar power plants while preserving natural ecosystems.

Wandering across the hall of her workplace, she comes across her colleague Lucia. They worked together on their company's sustainability strategy last year and prioritized making their office more energy- and water-efficient, following the advice given by the **LEVO** platform. They first adopted the **E-nno** optimisation system to map out how to improve the energy efficiency of the building. They then introduced **Droople** sensors to remotely monitor water points, identify leaks and predict facility maintenance. They installed a **DeepSquare** system to recycle the energy from their high-performance computing usage back to power their building and paired it to reduce energy consumption on their digital activities as recommended on **Resilio**'s green IT assessment platform.

Ilt's finally lunch break. Charlie choses the rice algue option as she knows it's made of **NeoCarbon**'s algae-based proteins that capture CO2 from the atmosphere in the process. Nowadays, prices reflect the impact of products on society as a whole - and this option is also one of the cheapest available. She greets her colleague Ryan who sits next to her. He has been using the **Autonomyo**'s rehabilitation platform to access virtual rehabilitation sessions and was experiencing improvements in motor skills, balance, and coordination. Ryan also tells Charlie about an exciting plan for the weekend. He will participate in a biodiversity protection activity in his local community: he shows Charlie the **SimplexDNA** app which will help the participants collect environmental DNA samples to gain extra income for local projects and map biodiversity.

After getting back from work, Charlie gets ready to go out with her friends. She puts on her favourite sneakers and goes down the stairs. She wonders if someday her sneakers will be produced out of the plastic collected by the Autonomous River Cleaning boat from **ARC** she saw on the Lac Leman the other day.

Overconsumption and fast fashion are not an issue anymore - industries are now focused on recovering resources and replacing materials at every step. CompPair offers healable composite materials extending the life of certain objects. When at the end of their lifetime, clothes are processed by DePoly's technology back into main raw materials and reconverted into new PET items, or with Plastogaz's where they are processed back into feedstock for the chemical industry. On her way out, she receives a notification on her phone from the Synature's platform through which she has been following the growth of the wild lion population.

Using public transportation is the norm for everyone. Charlie jumps happily into the bus to get to the restaurant to meet her friends. Her trip will get her some additional **Codos** tokens as a reward for using sustainable transports. The city of Lausanne has also optimised the bus routes using **Liftango**'s platform and Charlie is now able to stop directly in front of the restaurant. Actually, the energy powering the bus comes from a hydroelectric power plant located in Valais, which has been financed with a decentralised finance bond issued on **Frigg**'s platform.

As she reaches the restaurant, she crosses by one of **Cortexia**'s powered cleaning trucks and on the other side of the street, she sees her friend crossing the light using **Biped**'s motion sensor. This restaurant has undergone radical changes over the last years. First, all its products come directly from local producers, facilitated through **Robin des Fermes**' platform. It is also implementing **Voltiris**' technology, using the land not only for crop yields but also for on-site clean energy production, as well as improving water quality with **Aquascope** monitoring on an ongoing basis. The restaurant implemented **KITRO**'s AI image detection system to analyse food waste and **UpCircle** AI for an overall improvement of their circularity. Since then, the food portions have changed as well as menus which better assist customers in ordering adequate amounts. Finally, with **UriCycle** they installed a fully circular system to recycle the water used for hand washing and flushing.

Charlie comes back home and she jumps in the shower. Microplastics in soap and shampoo are now forbidden and replaced by cellulose based microbeads of **Naturbeads**. She puts on her pyjamas, and sits on bed to read the tragic news of a recent earthquake that had taken place in a known region near the coast. Despite the disaster and lack of infrastructure, life-saving medicine and shelters were made available through **Swiss Airtainer**'s air cargo containers while food and water facilities were installed thanks to **Access to Water Foundation**'s solutions.

As she lays down in bed, Charlie feels grateful and proud to be living in a present where sustainable behaviours have been adopted and where complementary solutions are readily available and accessible to everyone. She realises that it is up to her generation to continue innovating and implementing these solutions and to ensure a brighter future for themselves and generations to come.



MEET OUR EXHIBITORS













































































ABOUT THE ENTERPRISE FOR SOCIETY CENTER (E4S)

E4S is a research and action-oriented center created by three institutions of academic excellence: the University of Lausanne through its Faculty of Business and Economics (UNIL-HEC), IMD and EPFL, under the stewardship of its College of Management of Technology.

E4S aims to inspire and activate the transition to a resilient and inclusive economy within planetary boundaries, seizing the opportunities and addressing the challenges raised by scientific and technological change

- https://e4s.center
- @Enterprise for Society Center (E4S)
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