

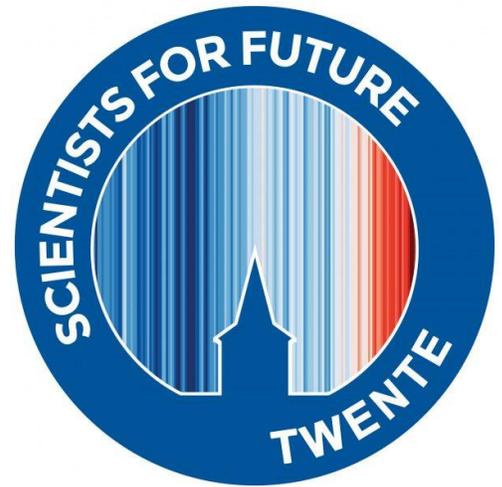
S4F Newsletter November 2022

Dear supporter of Scientists4Future-Twente,

Welcome to the November-2022 edition of the S4F-Twente Newsletter. We are happy that you are supporting us. Reach out to people that share your concerns: meet us in one of the activities that are described here or forward this Newsletter to others!

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Fireside chats (online)

About once a month we organise a [fireside chat](#), an informal meeting of supporters of S4F-Twente. We discuss actual topics. You are welcome to join!

The fireside chat of 14 September dealt with UT sustainability policy.

The fireside chat of 26 October was about climate anxiety, with reknown psychologist dr. Wendy Greenspun. She introduced us to the background and nature of climate distress (or anxiety). The distress is a natural response to the current and upcoming ecological crises. It is increasingly common and affects especially younger generations and thereby greatly affects their mental well-being. Since climate distress is here (to stay), it is vital we take good care of ourselves, in order to keep functioning well and to be able to make a difference! But how may we do so? Wendy Greenspun shared the importance of:

- Searching for a community to share your thoughts and emotions,
- Calming your nervous system by doing sports, arts, listening to music and seeing friends,
- Identifying, coping and transforming difficult emotions by working through them.

For more information and background on climate distress, please watch the [UN speech](#) by Dr. Wendy Greenspun.

Our next fireside chat is **today, 23 November, 20:30-22:00 (online)**, about water management in the Netherlands and the Twente area. Dr. Yijian Zeng and Caroline Bers will introduce the topic. The national and regional situation will be highlighted, and they will explain about the [WUNDER project](#). The WUNDER consortium unites 19 partners from the public and private sectors to develop adaptation measures to reduce drought effects on diverse water-soil-plant systems (such as crops). Some activities at the university and in the region will be described to address the challenge of drought and water scarcity.

The last fireside chat of 2022 will happen on the **21st of December**.

UNFCCC COP27

Next Tuesday, climate envoy Jaime de Bourbon de Parme and prof. Maarten van Aalst will talk about their experiences during the recent climate summit in Sharm-el-Sheikh; very interesting to get a look behind the scenes of course! Join [Studium Generale](#) on Tuesday 29 November, 19:30-21:00 at Vrijhof Amphitheater.

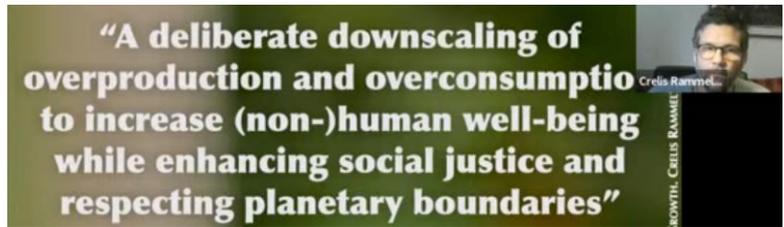
S4F-NL webinars

S4F-NL hosts a series of webinars on Degrowth. The first episode (28 Oct) was about "Why degrowth? – Abundance through degrowth, not green growth", by dr. Crelis Rammelt (see picture).

The second webinar was on "Perspectives on degrowth – Wellbeing through degrowth: Can less really be more?" by dr. Miriam Meissner.

You can look back these S4F webinars on degrowth and other topics on the S4F-NL [website](#).

The next episode is **tomorrow, 24 November, 13:00-14:00**, about "[Exploring degrowth policy proposals](#)" with Nick Fitzpatrick. He holds a BSc in Environmental Science, MSc in Geology (Ice & Climate), and is a PhD Candidate in Environment & Sustainability at Nova University Lisbon, Portugal. Nick's PhD research focuses on untangling the relationship between power, politics, and practice of degrowth. Degrowth speaks to the primary contradictions of our time: ecological overshoot, social shortfall, capital accumulation. But how does it approach [policymaking](#)? In this S4F-NL webinar, Nick will explore the current state of degrowth policy proposals and how their key features fit the context of public policy design and transition strategies.



Open Letter to the Executive Board: Follow up

About one year ago, we handed over our Open Letter to the CvB asking for the implementation on concrete measures to reduce the CO₂ emissions related to the daily operations of our university. The CvB responded that mobility and in particular business travel-related CO₂ emissions should be the priority. As you are all aware of, some plans were worked out. However, the decision on implementation of these plans was deferred to the faculties and the extent to which these plans will actually be implemented and effect actual emissions remains unclear at this stage. The same applies for further reaching aspects such as the requirements to reduce electricity consumption or to a long-term plan of reducing commuting-related CO₂ emissions. We are planning to evaluate the consequences of our action with a small team in the weeks to come, and come up with some next steps. Whoever is willing to participate is invited to join the discussions by either joining the S4F meeting about our new activities on 30 November at 17:00 (location: to be announced, you can ask [here](#)) and/or by sending an email to f.mugele@utwente.nl.

Contacts between S4F and regional politicians

On Monday November 13 a [committee of the city council of Enschede](#) discussed the vision on future heating of houses, offices etc. S4F was present during this meeting in the person of prof. Theo van der Meer. Theo gave his opinion on the vision document prepared by the consultants of Over Morgen. In a city council meeting in December, the vision document will be established by the city council.

An article worth reading

Going from fossil to renewable electricity is going from production to harvesting, so of course renewables need storage. It is often said that renewable energy is sustainable, but is the storage needed also sustainable? And how cheap is renewable energy plus storage? This [blog post](#) by Pietro P. Altermatt is about how much storage is needed and for this we look at the three stages on the way to 100% renewable electricity.

Too good to go app

Save food and money: check out the [Too good to go](#) app. You can even collect food at the [Waaier](#) canteen!

Documentary: The Scientist's Warning

The film "[The Scientist's Warning](#)" has now been released and is free to view online. The Scientist's Warning is a 35-minute documentary about a researcher who started a movement to encourage scientists to help turn scientific knowledge into action. It's the story of scientists all over the world awakening to the need to become advocates for the fate of the planet and the humans who depend on it.

Qua Art, Qua Science: Light as a fuel / "Licht als brandstof"

Rebecca Saive is an Assistant-Professor in physics, nanophotonics at the UT. Her research focuses on solar energy conversion, nanophysics and light-matter interaction. She investigates how solar panels with new, smart materials can generate more energy on cloudy days, but also how to use (a.o.) existing buildings and roads. As a physicist she is interested to come up with new ways to use light as a fuel and improve yield. You are welcome to [join](#) her lecture (in Dutch!) on Tuesday 6 December 2022, 20:00 uur, at De Museumfabriek, Het Rozendaal 21, 7523 XG Enschede (Roombeek). Please [register](#) if you want to join.



Students for Future Enschede: Climate march

Students for Future Enschede, an initiative of UT students, organize s a Climate March on Tuesday 13 December 2022.

You are more than welcome to join at the O&O square at 12:30.

Energy challenge competition

Both staff and students are encouraged to participate in the Energy-Saving Video [Challenge](#).

Everyone on campus (University of Twente, ROC van Twente, and Saxion) is invited to contribute with a short video teaser in TikTok style.

The action promoted in the video should be easy to remember and presented in an engaging format.

For each video contribution used on our energy saving trail, you will receive a financial compensation of €50. In addition, prizes will be awarded to the three best videos.

The deadline for submissions is December 15th, 2022. After the Video Challenge, [prof. Wilko Rohlfs](#) and his team will work together with students from the Thermodynamics and Heat Transfer courses to adequately quantify the proposed measures.

A book worth reading: "Earth for all", A survival guide for humanity

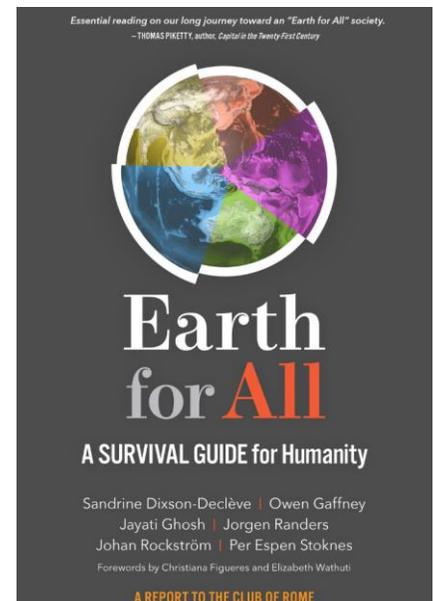
Five decades ago, *The Limits to Growth* shocked the world by showing that population and industrial growth were pushing humanity toward a cliff. Today the world recognizes that we are now at the cliff edge: Earth has crossed multiple planetary boundaries while widespread inequality is causing deep instabilities in societies. There seems to be no way out.

[Earth for All](#) is both an antidote to despair and a road map to a better future. Using powerful state-of-the-art computer modeling to explore policies likely to deliver the most good for the majority of people, a leading group of scientists and economists from around the world present five extraordinary turnarounds to achieve prosperity for all within planetary limits in a single generation. Coverage includes:

- Results of new global modeling that indicates falling well-being and rising social tensions heighten risk of regional societal collapses
- Two alternative scenarios—too little, too late vs the giant leap—and what they mean for our collective future
- Five system-shifting steps that can upend poverty and inequality, lift up marginalized people, and transform our food and energy systems by 2050
- A clear pathway to reboot our global economic system so it works for all people and the planet.

Written in an open, accessible, and inspirational style using clear language and high impact visuals, *Earth for All* is a profound vision for uncertain times and a map to a better future.

This survival guide for humanity is required listening for everyone concerned about living well on a fragile planet.



In Commemoration of Herman Daly

The idea of degrowth is finally becoming mainstream and is now also promoted by S4F-NL. See the aforementioned [webinar series](#) that they are organizing. At this same time it is with great sorrow that we have learned about the loss of [Herman Daly](#), who was one of the first to start exploring and promoting the ideas of degrowth and steady-state economy. He passed away on October 28th. Prof. Daly was a true visionary and systems thinker. Many of his ideas were and still are quite revolutionary and it takes decades for them to finally become understood and appreciated. He was also one of the creators of the discipline of Ecological Economics - the much more realistic and practical type of economics that acknowledges that we live on a finite planet, with limited resources, where infinite economic growth is a crazy idea and some of the economic indicators, such as GDP, are totally misleading and have nothing to do with wellbeing and happiness of people.

Please check out some of the [great ideas](#) of Herman and take some time to explore the other very relevant materials collected by the Center for the Advancement of the Steady State Economy ([CASSE](#)) - an NGO inspired by Herman's ideas.

Symposium of the HTHT CBL ICR&TIST minor

You are kindly invited to the symposium of the new HTHT CBL minor *Intelligence, Creativity, and Responsible Technological Innovations in Societal Transformations* ([ICR&TIST](#)) on February 2nd 13:30 – 17:30 (including drinks) in DesignLab. Tentative program:

- Guest lecture by prof. Andy van den Dobbelsteen (TUD, Climate Design & Sustainability).

The students will share their insights to inspire new ways of thinking and understanding the energy transition on topics ranging from:

- Why do people not take action?
- What is degrowth and can it be made practical?
- What are challenges and achievements of local initiatives?
- What is the role of conspiracy theories (false beliefs) in climate change acceptance?
- How is the distribution of (political) responsibilities in taking action?
- Can new concepts to frame the climate challenge provide new perspectives?
- How to manage inter- and transdisciplinary collaborations in the energy-transition?
- How to assess 'clean' energy technologies, and can it be made more attractive?
- What can we learn from spaceflight in designing new energy technology?

At the end of the symposium, students will 'hand-over' their report to our challenge-provider RES (regieorgaan energietransitie Twente).

A new report World Scientists Warning of a Climate Emergency 2022

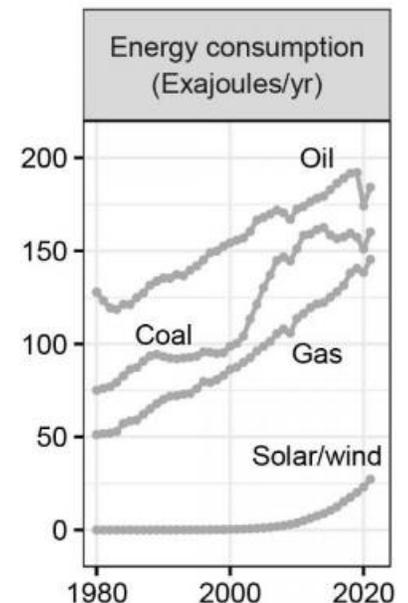
This short [report](#) provides updates on 35 planetary vital signs and makes policy recommendations for transformative change. This year's report focuses on the devastating impacts of climate-related disasters that we are now seeing, including extreme flooding, heat waves, and wildfires; see also an article in [Forbes](#) and a media [toolkit](#) with interesting pictures (example →).

Outreach of S4F-Twente

Saturday afternoon October 1st, S4F-Twente, in person of dr. Evert Houwman, gave a public lecture on the climate crisis in the Stadskerk 'De Bleek' in Almelo, for the "Vereniging van Vrijzinnig Godsdienstigen" (VVG-Almelo). About 40 people attended who asked many questions and there was a lively discussion afterwards during the drinks.

S4F-Twente lunch meetings

Every first Monday and third Friday of the month at 12:30 anyone interested in S4F, staff or student, is welcome to join us for lunch in the Waaier canteen. This is an informal meeting where you can exchange ideas and concerns and meet like-minded. In the previous meetings, we discussed "How to transform the sustainability vision in Shaping 2030 into action" (7 Nov.), and "Students need to learn how to collaborate



in multidisciplinary and multicultural teams” and “It appears that we cannot avoid the role for nuclear power in the energy transition” (18 Nov). Feel free to join us in one of the next informal lunch meetings (see Calendar for dates); you can recognize us by the [stripes](#) of this newsletter. You are also more than welcome to join us at our meeting about our new activities on 30 November, 17:00.

Calendar

Date, time	Event	Location
21-25 November 2022	Sustainability Week , organised by the UT, Saxion and ROC van Twente	varies
Wednesday 23 November 2022, 20:30-22:00	Fireside chat about water management	online
Thursday 24 November 2022, 13:00-14:00	S4F webinar Exploring degrowth policy proposals	online
Tuesday 29 November 2022, 19:30-21:00	The future of our climate - UT Studium Generale with prof. Maarten van Aalst	Vrijhof - Amphitheater
Wednesday 30 November, 17:00-19:00	S4F-Twente meeting about our new activities	To be announced
Monday 5 December 2022, 12:30-13:30	S4F-Twente lunch meeting	Waaier canteen
Tuesday 6 December 2022, 20:00	Qua Art, Qua Science: Light as a fuel	De Museumfabriek, Enschede (see item above)
Tuesday 13 December 2022, 13:30	Climate march for our future, by Students for Future	O&O square
Wednesday 21 December 2022, 20:30-22:00	Fireside chat	online
Friday 16 December 2022, 12:30-13:30	S4F-Twente lunch meeting	Waaier canteen
Friday 20 January 2022, 12:30-13:30	S4F-Twente lunch meeting	Waaier canteen
Thursday 2 February 2023, 13:30-17:30	Symposium of HTHT CBL ICR&TIST minor	Design lab
Monday 6 February 2023, 12:30-13:30	S4F-Twente lunch meeting	Waaier canteen

Interesting links

- Follow us on [Twitter](#)
- [Scientists4Future-NL](#) and their [Newsletters](#)
- [GreenHub Twente](#) and their [Newsletters](#)

We hope to see you soon, through one of the above opportunities, the S4F-Twente newsletter team – Leonie Krab, Nasim Rezaei, Annemarie Dedden, Lena Heinrich, Evert Houwman, Gertjan Koster, Theo van der Meer, Frieder Mugele, Alexey Voinov – twente@scientists4future.nl
 Scientists4Future–Twente – [Coalition of concerned scientists](#)