

The history and basics of sustainable development

What is it, how has it evolved, challenges and opportunities...

DISCOVER YOUR WORLD

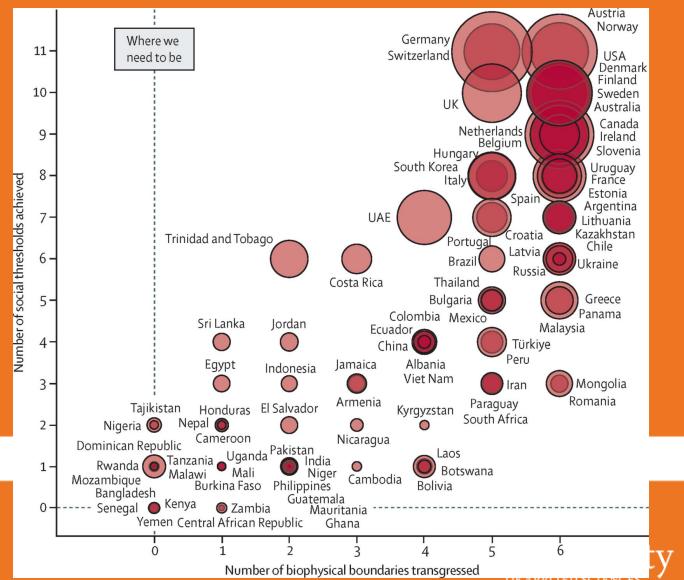
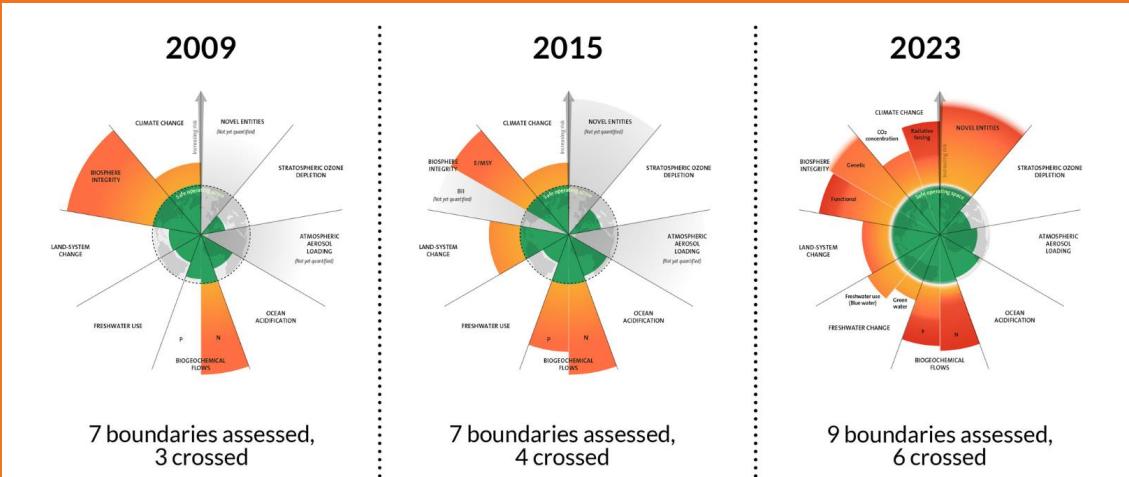
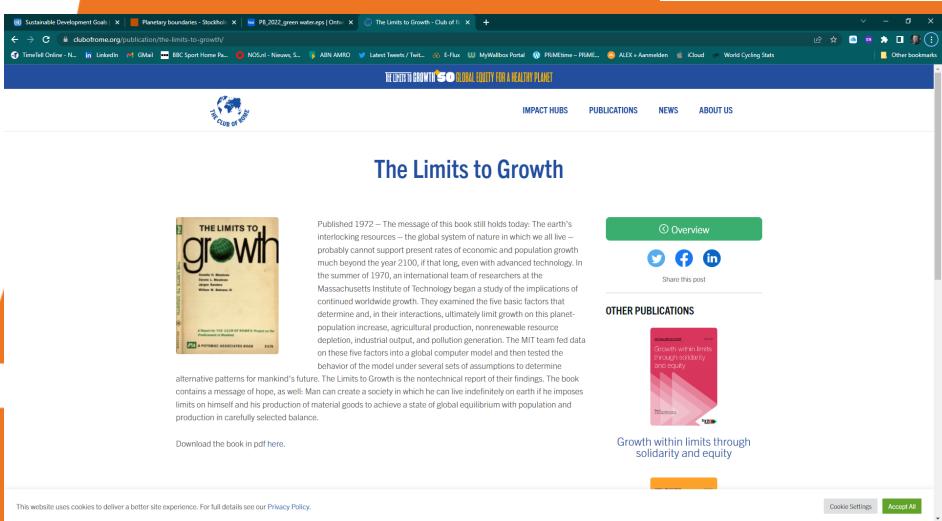
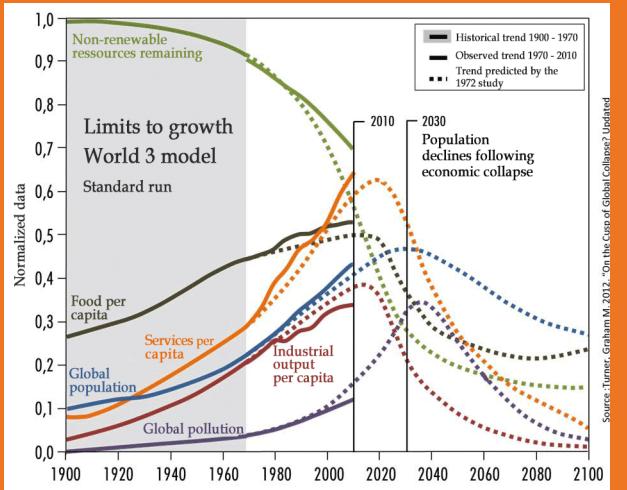


Personalised reintroduction of the speaker

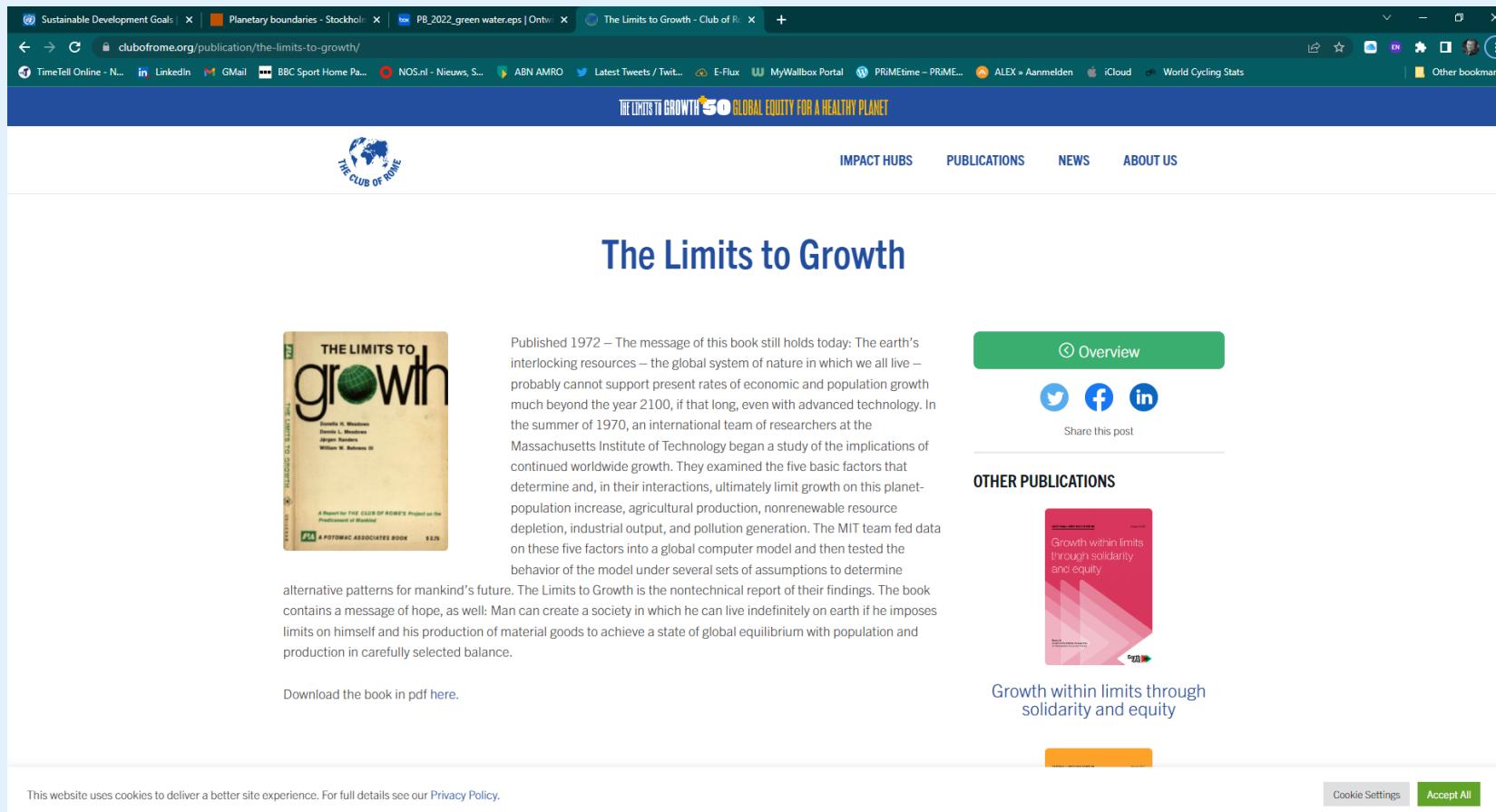
The speaker

DISCOVER YOUR WORLD

Short recap of previous lecture...



We've known this for quite some time now...



1972!!!

The Limits to Growth

Published 1972 – The message of this book still holds today: The earth's interlocking resources – the global system of nature in which we all live – probably cannot support present rates of economic and population growth much beyond the year 2100, if that long, even with advanced technology. In the summer of 1970, an international team of researchers at the Massachusetts Institute of Technology began a study of the implications of continued worldwide growth. They examined the five basic factors that determine and, in their interactions, ultimately limit growth on this planet: population increase, agricultural production, nonrenewable resource depletion, industrial output, and pollution generation. The MIT team fed data on these five factors into a global computer model and then tested the behavior of the model under several sets of assumptions to determine alternative patterns for mankind's future. The Limits to Growth is the nontechnical report of their findings. The book contains a message of hope, as well: Man can create a society in which he can live indefinitely on earth if he imposes limits on himself and his production of material goods to achieve a state of global equilibrium with population and production in carefully selected balance.

Download the book in pdf here.

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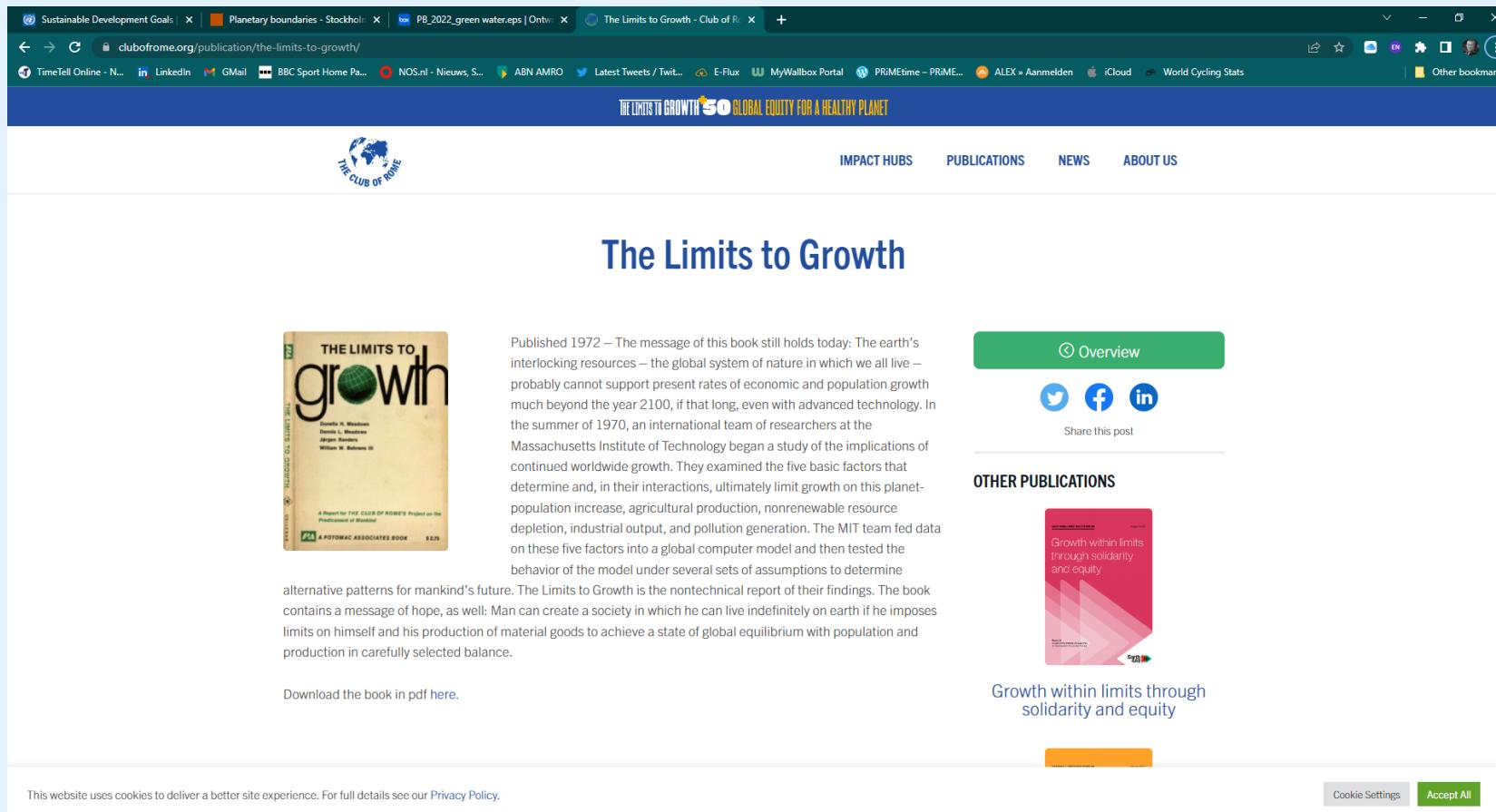
<https://www.clubofrome.org/publication/the-limits-to-growth/>

Episode 5

Let's watch it...

<https://climate-positive-education.org/history-sustainable-development/>

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The Limits to Growth

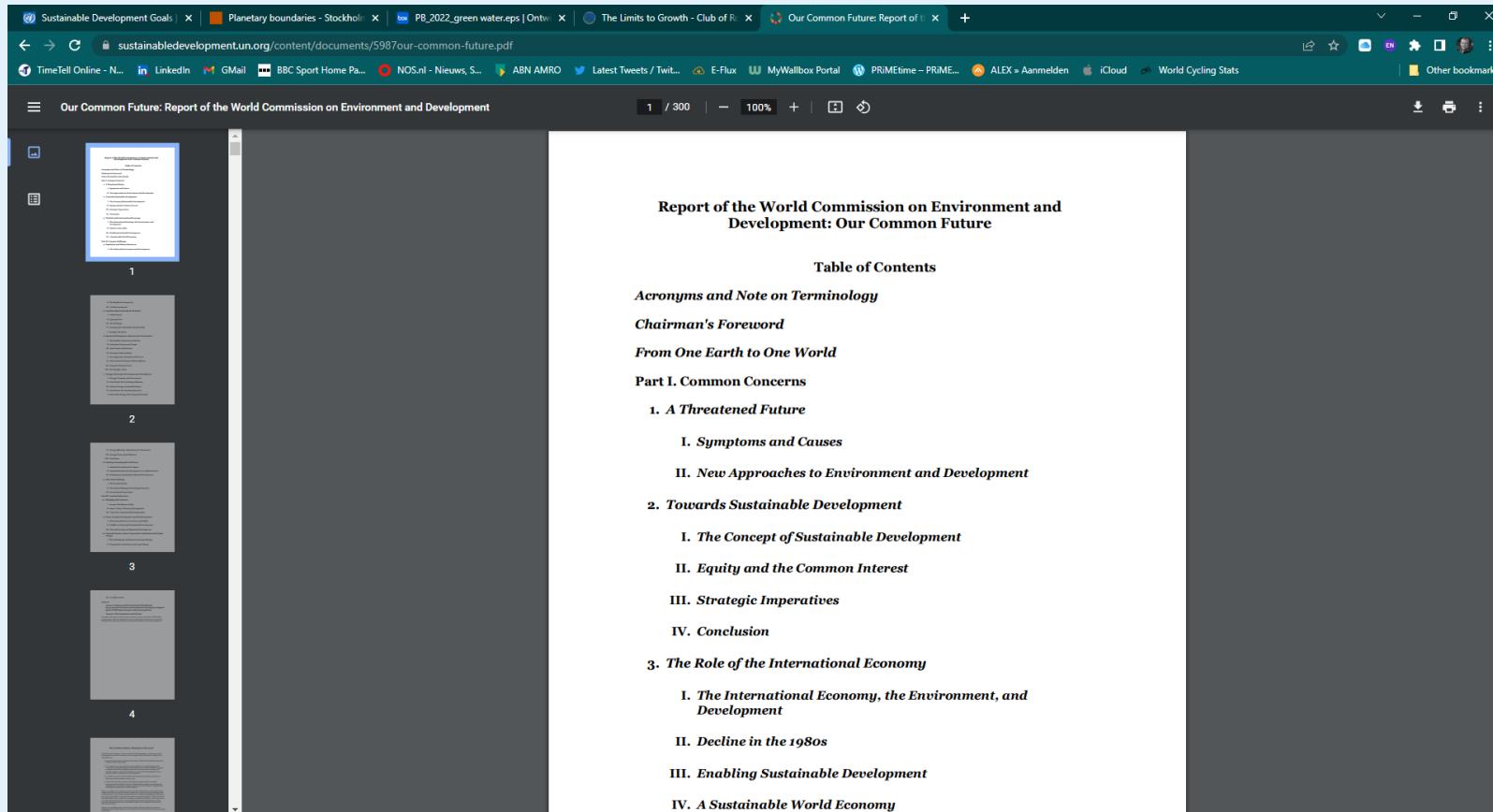
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<https://www.clubofrome.org/publication/the-limits-to-growth/>

We've already agreed on what needs to happen...



<https://sustainabledevelopment.un.org/content/documents/5987our-common-future.pdf>

A clear need for more specific goals and targets...



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY 2 ZERO HUNGER 3 GOOD HEALTH AND WELL-BEING 4 QUALITY EDUCATION 5 GENDER EQUALITY 6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY 8 DECENT WORK AND ECONOMIC GROWTH 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 10 REDUCED INEQUALITIES 11 SUSTAINABLE CITIES AND COMMUNITIES 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION 14 LIFE BELOW WATER 15 LIFE ON LAND 16 PEACE, JUSTICE AND STRONG INSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS

Developed in collaboration with TROLLBÄCK+ COMPANY | TheGlobalGoals@trollback.com | +1.212.529.1010
For queries on usage, contact: dpicampaigns@un.org



<https://sdgs.un.org/goals>

How to address sustainability...



- 2015;
- adopted by all UN member states;
- 17 goals, 169 targets, deadline: 2030;
- by now, the 'de facto sustainability standard for businesses and governments';
- these goals capture an encompassing spectrum of sustainability topics that are, by definition **integrated, indivisible, and universally applicable**;
- powerful, enticing agenda, that serves as a catalyst and guiding principle.



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**SUSTAINABLE
DEVELOPMENT
GOALS**

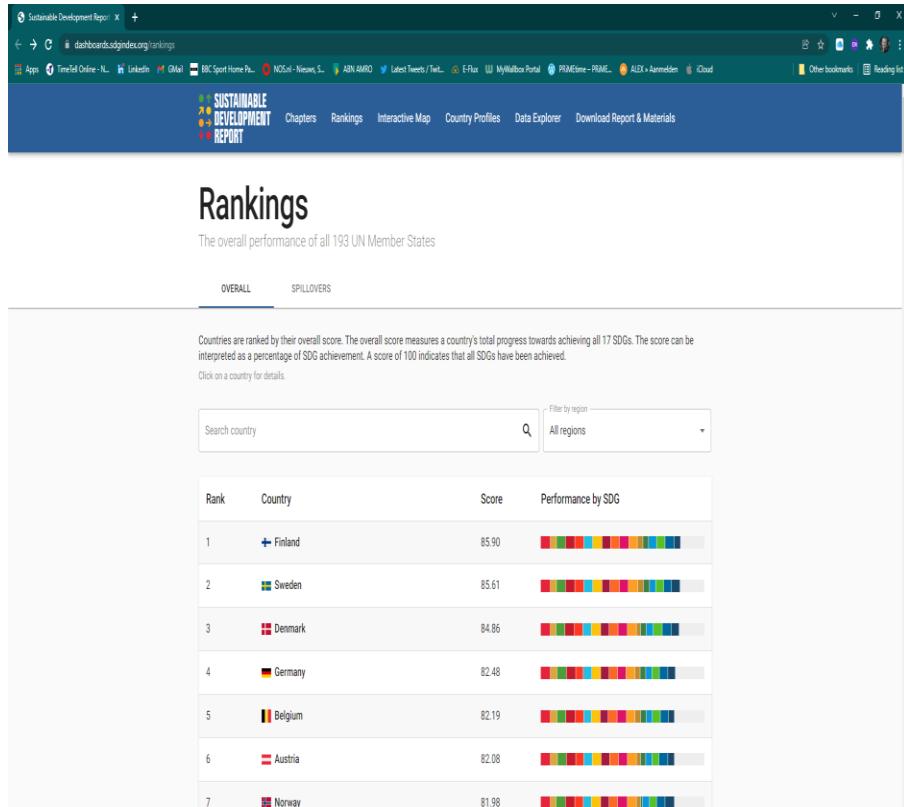
Careful with *how* you address/monitor the SDGs...



- Focusing investments on empowering young women may shift away the attention from more important drivers of poverty, including debt, tax evasion, and labour exploitation...
- Similar with micro-credits and other means to fight poverty...
- Be careful that by fighting symptoms you are not overlooking the 'actual' problems, or the causes of those problems.



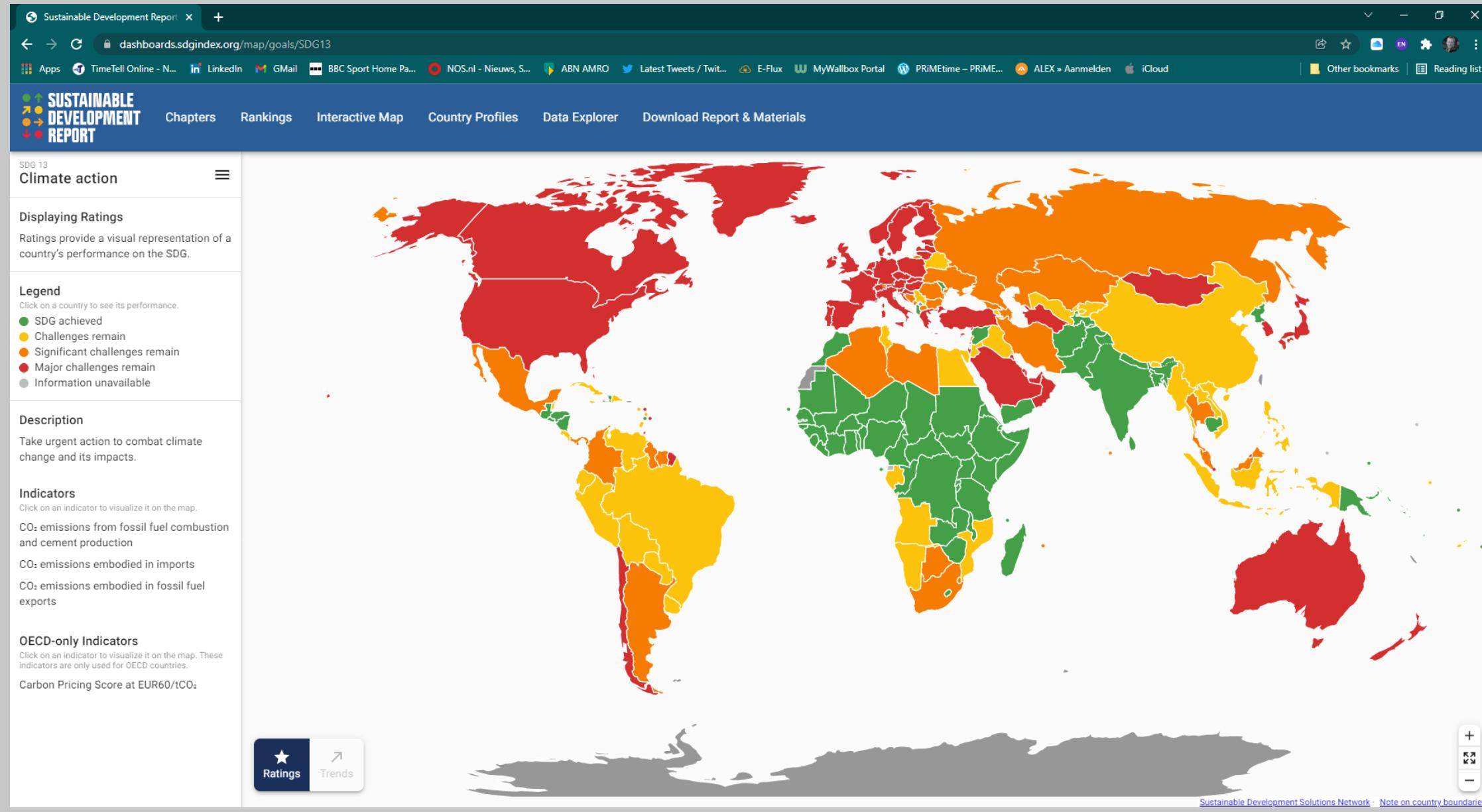
Ranking high on the SDG index strongly correlates with high footprints, and low ranking with low footprints.

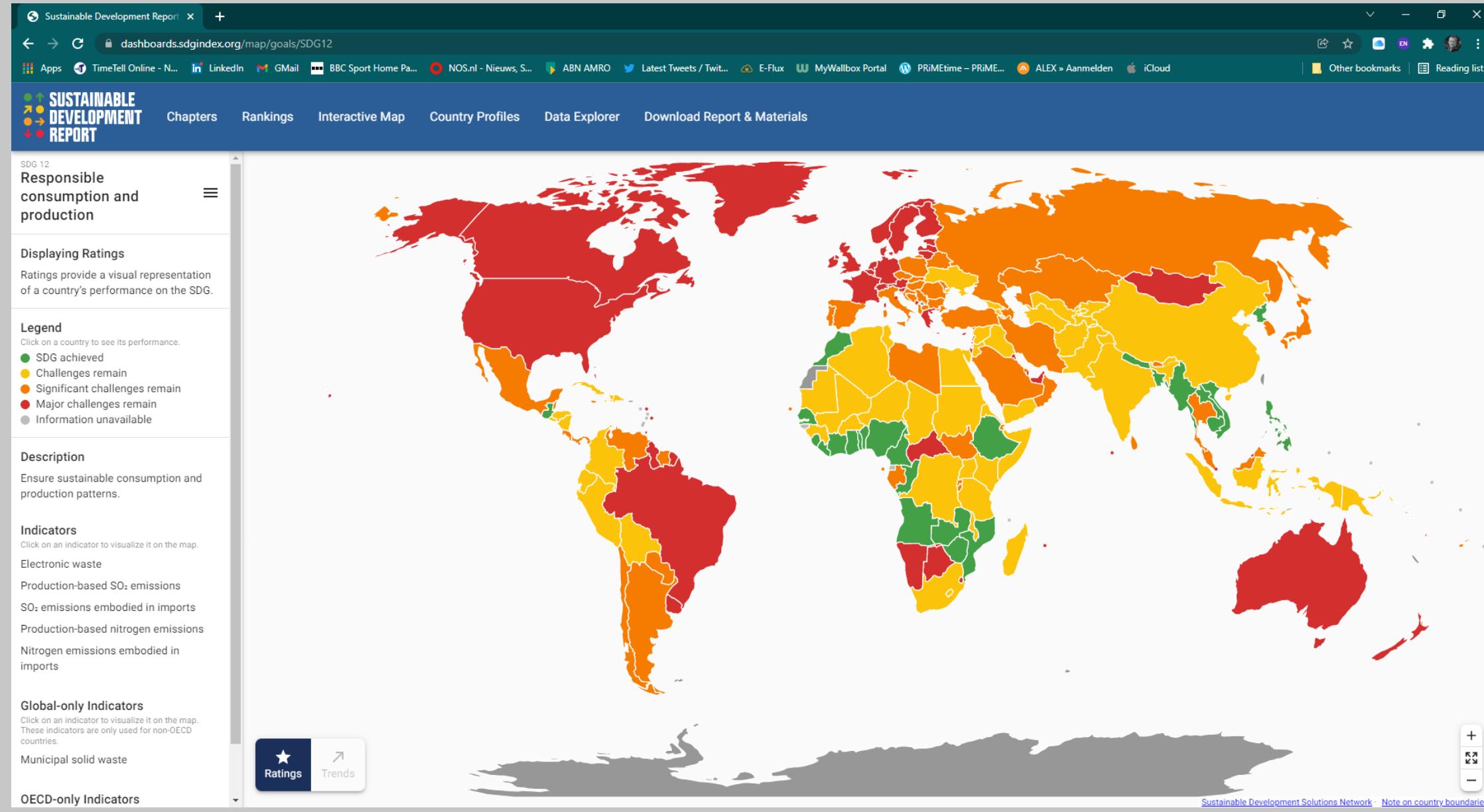


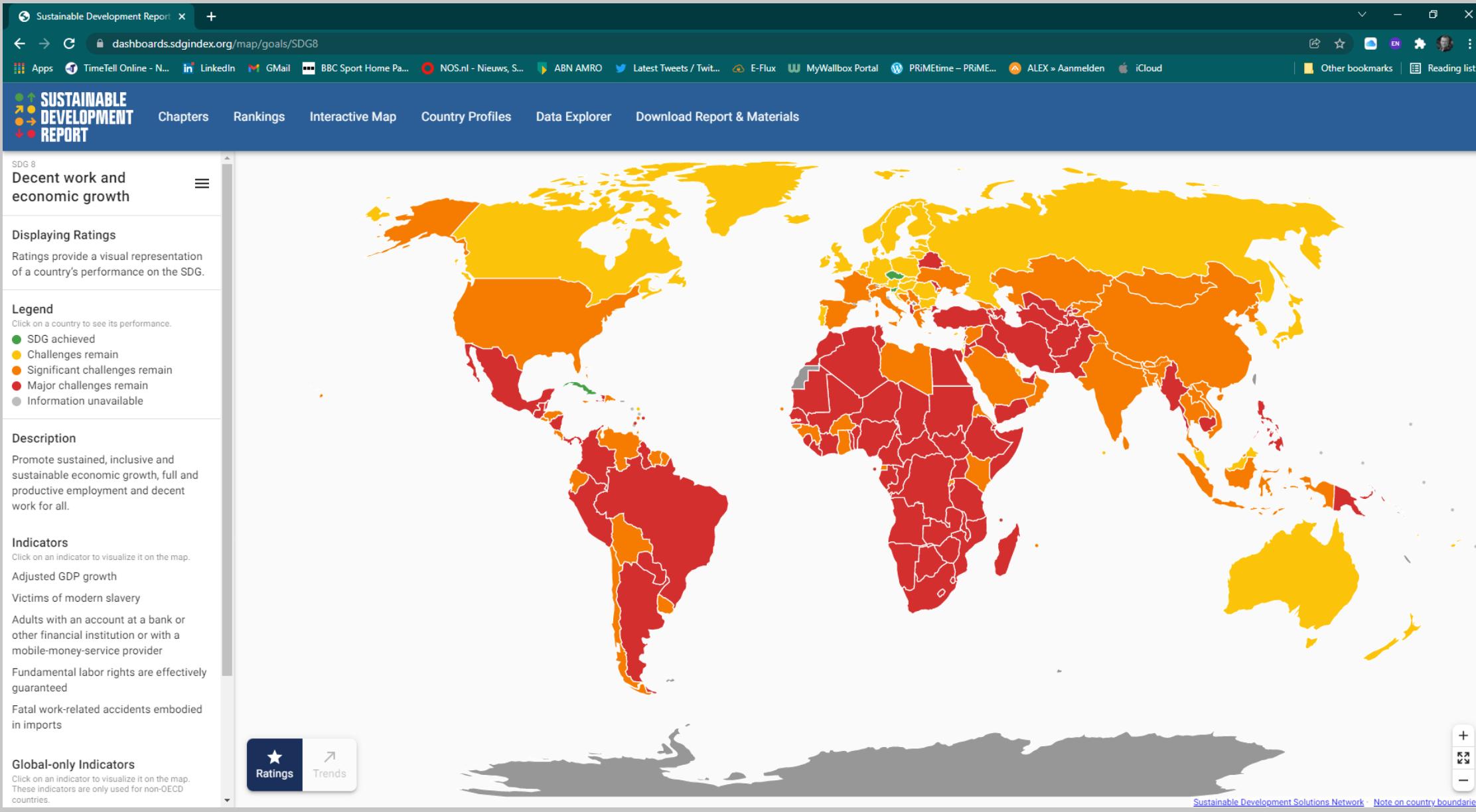
<https://www.frontiersin.org/articles/10.3389/fenrg.2017.00018/full>

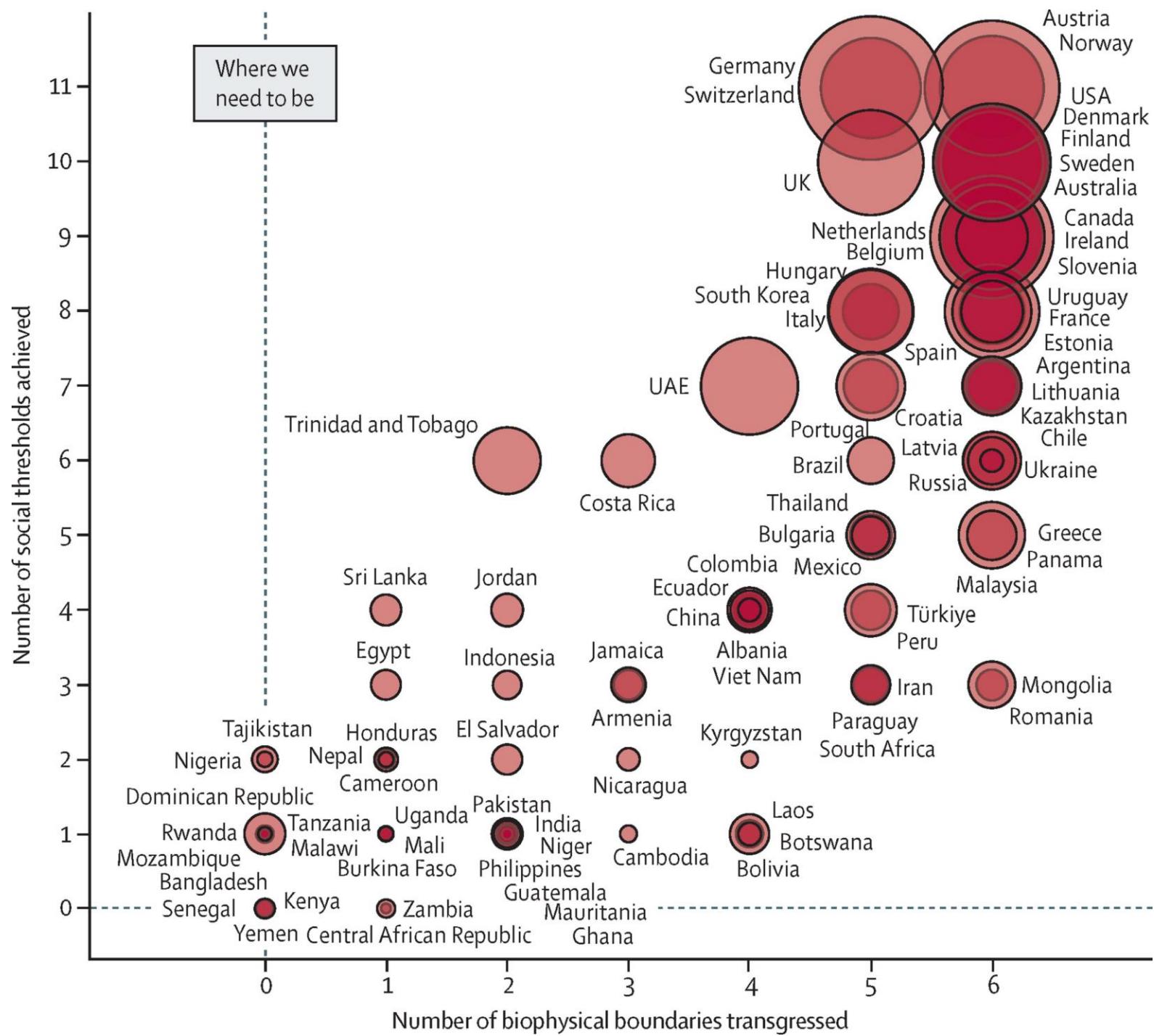


<https://dashboards.sdgindex.org/map>











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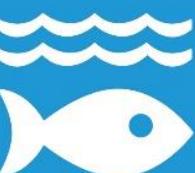
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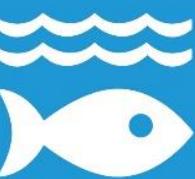
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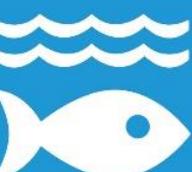
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"breakthrough change,
disruption"

*<https://hbr.org/2017/06/25-years-ago-i-coined-the-phrase-triple-bottom-line-heres-why-im-giving-up-on-it>

PACT FOR THE FUTURE

[LINK TO THE PACT FOR THE FUTURE](#)

Your challenge (the complicated version)

Action 53. We will develop a framework on measures of progress on sustainable development to complement and go beyond gross domestic product. 81. We recognize that sustainable development must be pursued in a balanced and integrated manner. We reaffirm the need to urgently develop measures of progress on sustainable development that complement or go beyond GDP. These measures should reflect progress on the economic, social and environmental dimensions of sustainable development, including in the consideration of informing access to development finance and technical cooperation. We decide to: (a) Request the Secretary-General to establish an independent high-level expert group to develop recommendations for a limited number of country-owned and universally applicable indicators of sustainable development that complement and go beyond GDP, in close consultation with Member States and relevant stakeholders, taking into account the work of the Statistical Commission, building on the Global Indicators Framework for SDGs and targets of the 2030 Agenda for Sustainable Development and to present the outcome of its work during the eightieth session of the General Assembly. (b) Initiate a United Nations-led intergovernmental process following the completion of the work of the independent high-level expert group in consultation with relevant stakeholders, including the UN Statistical Commission, international financial institutions, multilateral development banks and regional commissions, in line with their respective mandates, on measures of progress on sustainable development that complement or go beyond gross domestic product, considering the recommendations of the Secretary-General's high-level expert group.

Your challenge (the simple version)

Develop
a better way
to measure and/or monitor
progress
with respect to
sustainable development

Episode 6 (or 7?)

Let's watch it...

<https://climate-positive-education.org/history-sustainable-development/>

Your thoughts...

On ...

... how can we do better/speed things up?

... these two lectures?

... how do you feel we should address sustainability at BUas?

Thank you!



BUas +
more than a university
of applied sciences

empowering young professionals
on their journey
to shape a better world