

# The United Nations 2030 Agenda for Sustainable Development

15 261 Hauptseminar (online)

OSI, Freie Universität Berlin

<https://www.fu-berlin.de/vv/de/lv/678765?query=kuhn&sm=653109>

Privatdozent Dr. habil. Berthold M. Kuhn

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# Content

This course will introduce the UN 2030 Agenda for Sustainable Development with focus on global governance mechanisms, key drivers/stakeholders, processes of broadening and deepening global dialogue on SDGs, and implementation of the 17 SDGs across different countries and regions. Students will prepare presentations on different SDGs and elaborate on various political opportunities, risks, and implementation challenges. **The course will be taught online only.** Some students might find it convenient. **If the Covid-19 situation and the travel schedule of the instructor allows - at least one session could be organised at the premises of Freie Universität Berlin** (participation in this session, however, will not be mandatory).

# WebEx meeting link

Join from the meeting link

<https://fu-berlin.webex.com/fu-berlin-en/j.php?MTID=m8d6d611a9f879b6fcda644e219419f02>

Join by meeting number

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Tap to join from a mobile device (attendees only)

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Join by phone

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Global call-in numbers; Join from a video system or application

Dial [27344270719@fu-berlin.webex.com](mailto:27344270719@fu-berlin.webex.com); You can also dial 62.109.219.4 and enter your meeting number.

# References to start with.....

- Beenich, Theres, Weitz, Nina & Carlsen, Henrik (2020). Deciphering the scientific literature on SDG interaction, *Science of the Total Environment*, Volume 728, 1 August 2020, 138405, <https://www.sciencedirect.com/science/article/pii/S0048969720319185>
- Bengtsson, Markus et al. (2018) Transforming Systems of Consumption and Production for Achieving the Sustainable Development Goals: Moving Beyond Efficiency, *Sustainability Science*, DOI: 10.1007/s11625-018-0582-1(0123456789()..-volV)(0123456789()..-volV)
- Federal Government of Germany (2021). German Sustainability Strategy, <https://www.bundesregierung.de/bregen/news/sustainable-development-strategy-2021-1875228>
- Moir, Stuart & Carter, Kate (2012) Diagrammatic representations of sustainability- A review and synthesis, In: Smith, S.D (Ed) *Procs 28th Annual ARCOM Conference*, 3-5, September 2012, Edinburgh, UK, Association of Researchers in Construction Management, 1479-1489. <https://core.ac.uk/download/pdf/28971055.pdf>
- United Nations (2020). The Sustainable Development Goals Report. <https://www.un.org/sustainabledevelopment/progress-report/>
- United Nations (2017). Final list of proposed Sustainable Development Goal indicators. <https://sustainabledevelopment.un.org/content/documents/11803Official-List-of-Proposed-SDG-Indicators.pdf>

# Relevant publications of the instructor

- Kuhn, Berthold M. (2020). Sustainable finance in Germany: Mapping Discourses, Stakeholders, and Policy Initiatives, *Journal of Sustainable Finance and Investment*, accepted 12 June 2020, <https://doi.org/10.1080/20430795.2020.1783151>
- Kuhn, Berthold M. (2019). The United Nations Climate Action Summit 2019: Well-timed Initiative Confirms New Engagement Strategy of UN, *Dialogue of Civilisations Research Institute*, Berlin, Expert Comment, September 27, 2019, <https://doc-research.org/2019/09/united-nations-climate-action-summit-2019/>
- Kuhn, Berthold M. (2018). China's Commitment to the Sustainable Development Goals: An Analysis of Push and Pull Factors and Implementation Challenges, *Chinese Political Science Review*, July 2018, <https://link.springer.com/article/10.1007/s41111-018-0108-0>
- Kuhn, Berthold M. (2016). Sustainable Development Discourses in the P.R. China, *Journal of Sustainable Development*, Vol. 9, No. 6, 2016, 158-167, with financial support of the Open Access Publication Fund of the Freie Universität Berlin <http://www.ccsenet.org/journal/index.php/jsd/article/view/64807>
- Kuhn, Berthold M. (2016). Collaborative Governance for Sustainable Development in China, *Open Journal of Political Science*, 06/2016, 433-453, with financial support of the Open Access Publication Fund of the Freie Universität Berlin, <http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=71579>

# Sessions in 2021, Wed. 10 a.m. ct to 12 noon

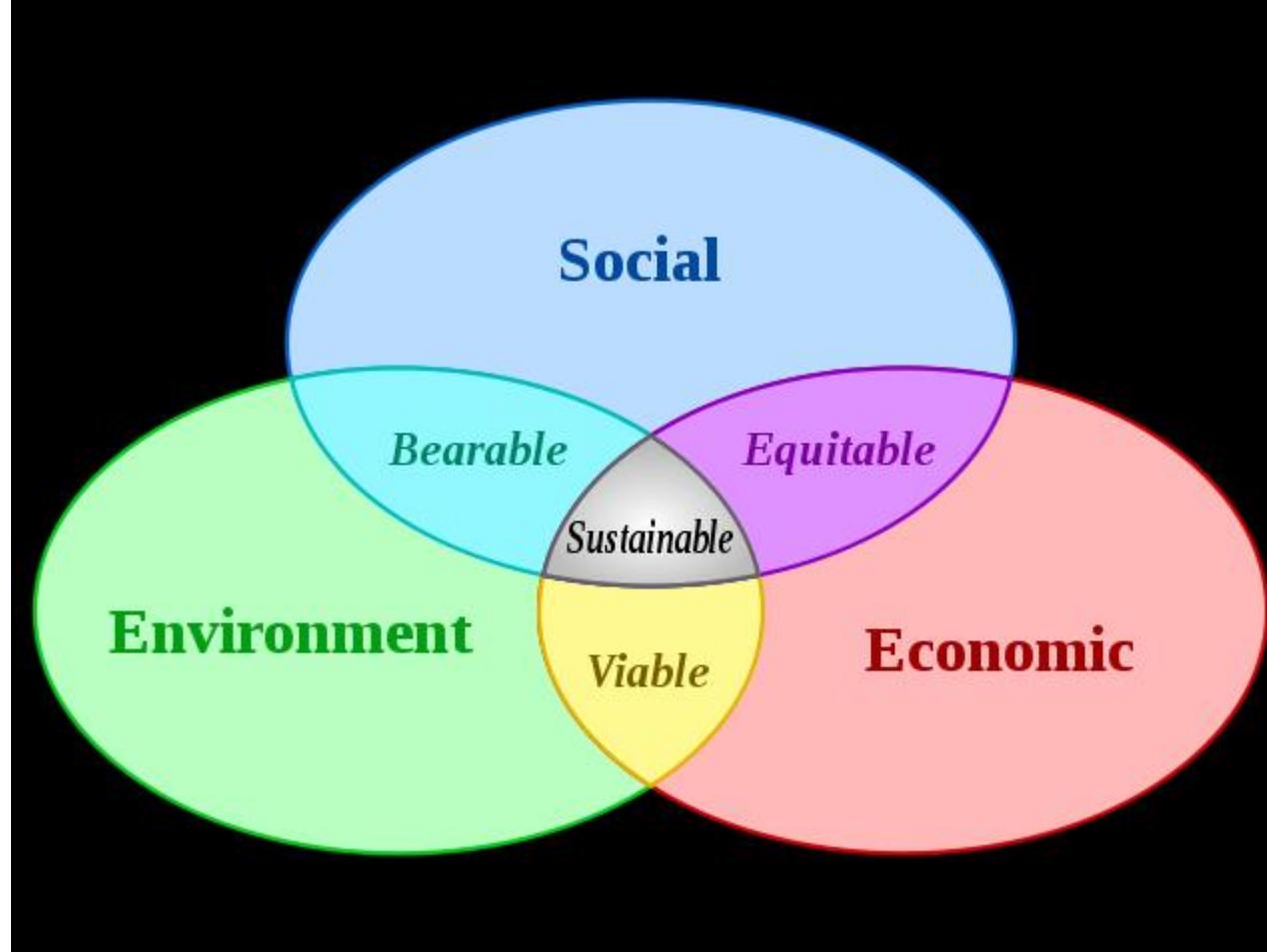
20.Oct <sup>1</sup>	Introduction to the concept of the course, sustainability concepts; discussion on expectations from students, hints to literature
27.Oct <sup>2</sup>	UN 2030 Agenda & 17 SDGs in the context of international cooperation and global megatrends: thematic/sectoral, country/region and institutional focus; allocation of presentations & contributions
03.Nov	UN system, SDGs and Paris Agreement (focus on actors and process)
10.Nov	SDG 13, UNFCCC COP 26 issues, proposals, process
17.Nov	UNFCCC COP 26 outcomes, media analysis
24.Nov	SDG 1 & 2 with case study country/region/inter. Organisation/NGOs
01.Dec	SDG 3 & 4 with case study country/region/inter. Organisation/NGOs
08.Dec	SDG 5 & 6 with case study country/region/inter. Organisation/NGOs
15. Dec.	Classroom session at FU Berlin; 2030 Agenda case study countries

- (1) Please take your decision to take or drop this course after this session and communicate this and i.a. deregister  
(2) If you are unable to attend the session on Oct. 27, you may consider not to choose this course*

# Sessions in 2022, Wed. 10 a.m. ct to 12 noon

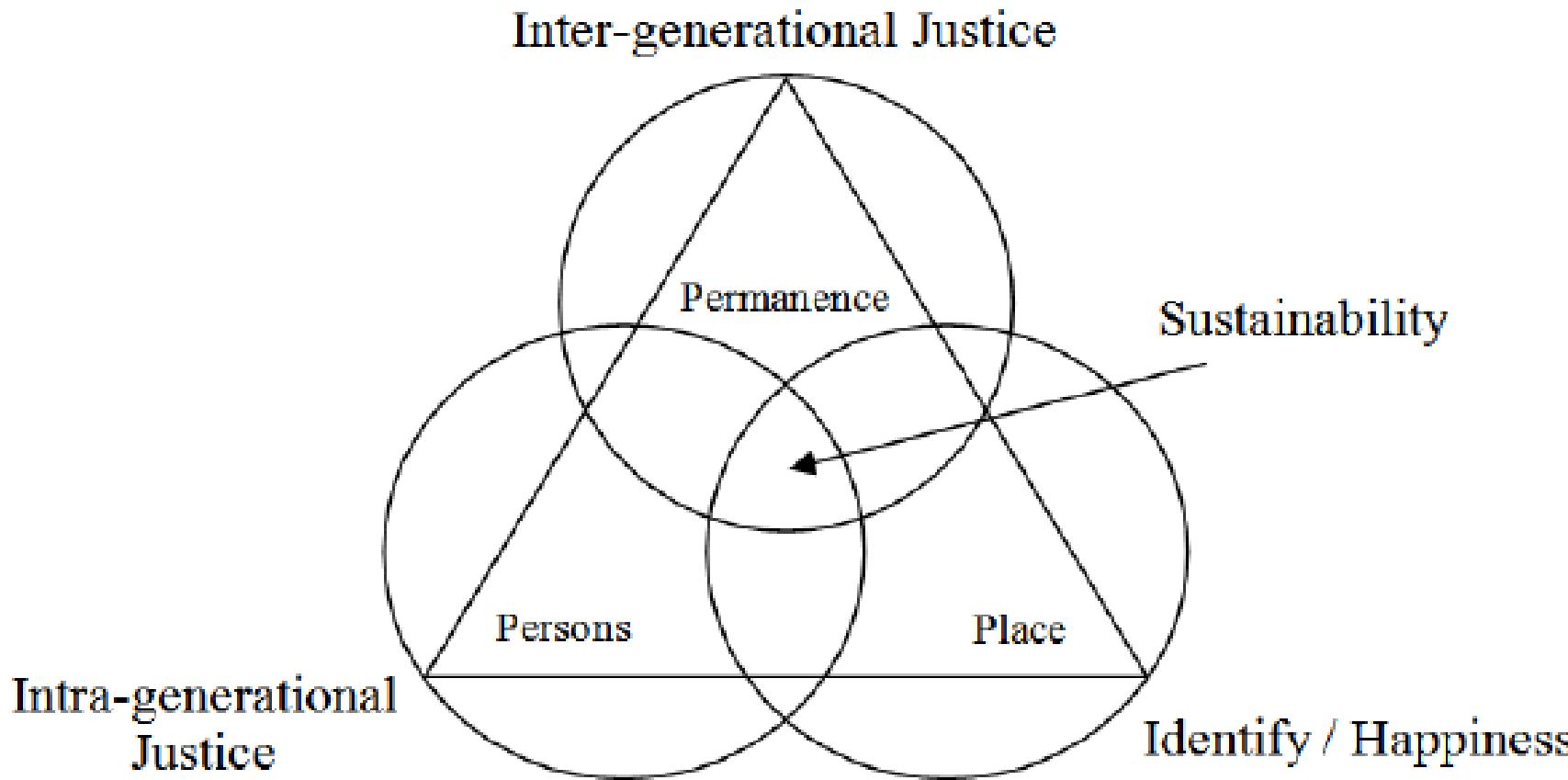
- 5. Jan SDG 7 & 8 with case study country/region/inter. Organisation/NGOs
- 12.Jan SDG 9 & 10 with case study country/region/inter. Organisation/NGOs
- 19. Jan SDG 11 & 12 with case study country/region/inter. Organisation/NGOs
- 26. Jan SDG 14 & 15 with case study country/region/inter. Organisation/NGOs
- 2. Feb. SDG 16 & 17 with case study country/region/inter. Organisation/NGOs
- 9. Feb. Germany's new government plan on climate action & SDGs
- 16. Feb Evaluation; term paper guidance

# Sustainable Development: the cross-over concept



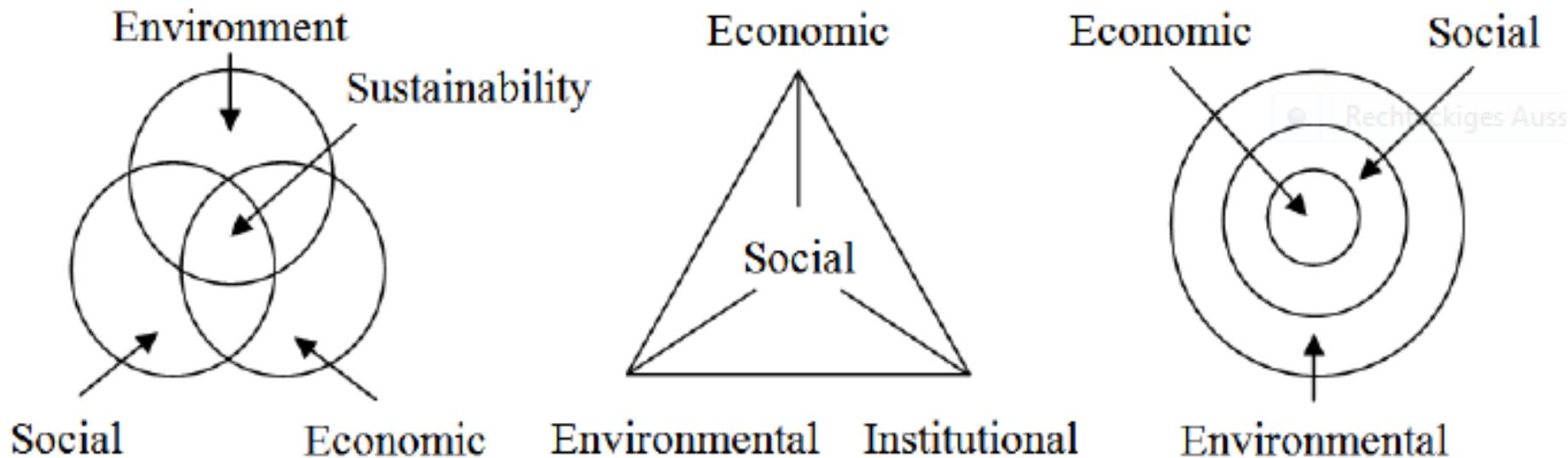
Source: Johann Dréo (2006), wikipedia (en).

# Five Dimensional Model of Sustainability



*Moir & Carter 2012, adapted from Seghezzo, 2009*

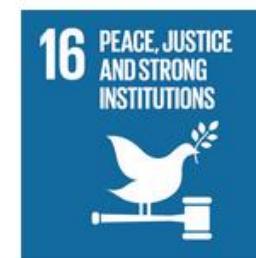
# Diagrammatic Representations of Sustainability



Moir & Carter 2012



# SUSTAINABLE DEVELOPMENT GOALS



Social 1, 2, 3, 4, 5, 8, 10, 16

Economic: 1, 8, 9

Environment: 6, 7, 11, 12, 13, 14, 15

# 2030 Agenda: 17 SDGs & Five Ps



2030 Agenda as major global governance achievement (all 193 UN member states agreed)

- balancing ecological with social and economic development
- universal „one world“ approach
- merging global environmental (Rio process) with development agenda (MDG process)
- transformative character
- „leaving no one behind“
- UN steered process-oriented approach: 169 targets, 232 (244) indicators SDGs
- reference framework for development cooperation projects world-wide and far beyond
- \* coherence with national policies envisaged

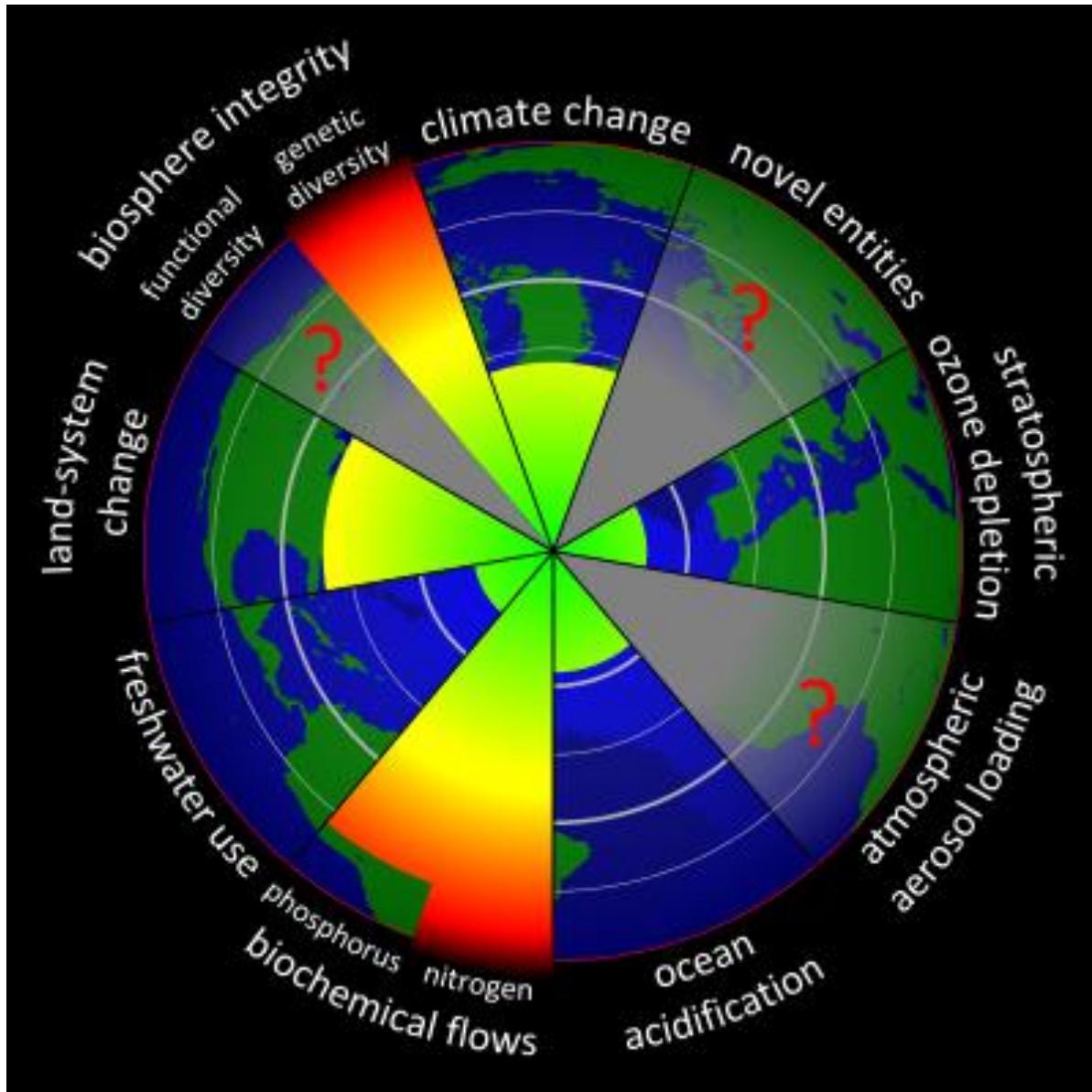
## People, Planet, Prosperity, Peace & Partnership

These five key political messages (the 5 Ps) in the Preamble are based on an EU proposal

# 2030 Agenda: Goals, Targets, Indicators



# Planetary Boundaries (Rockström *et al.* 2009)

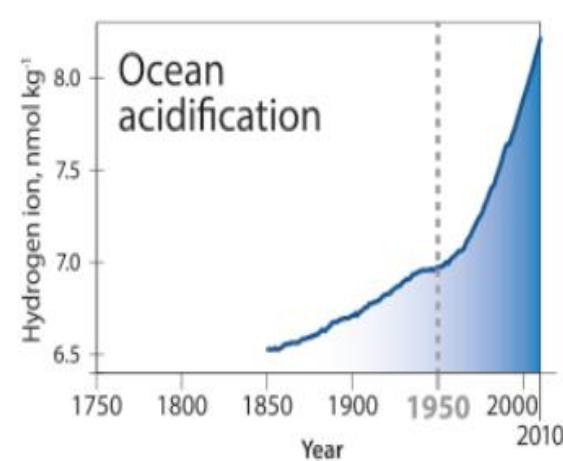
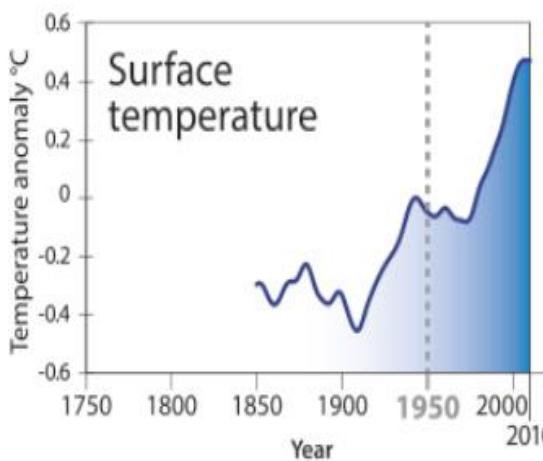
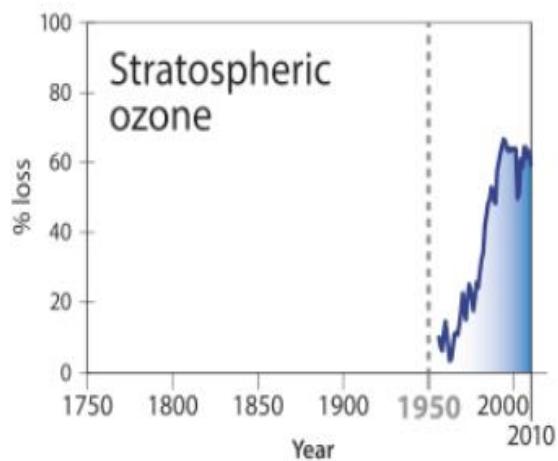
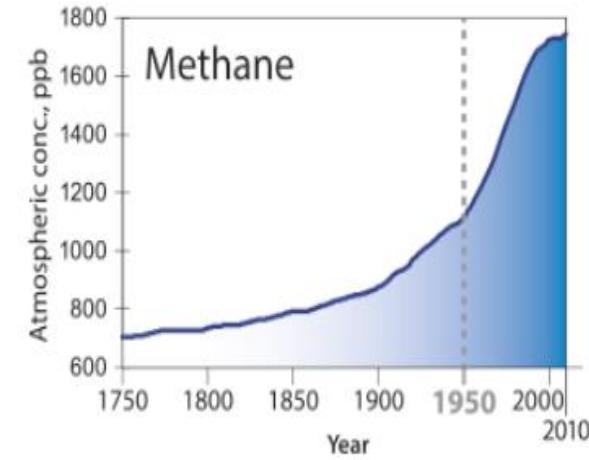
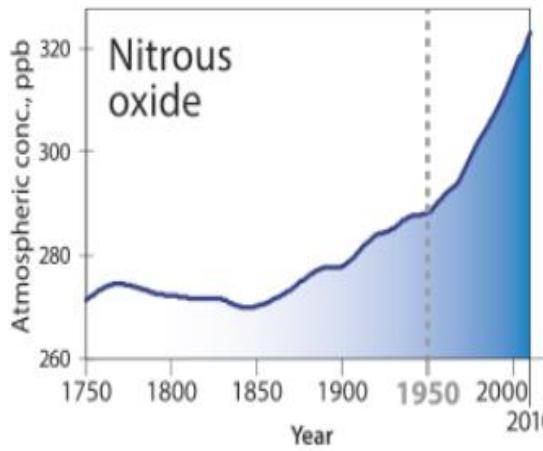
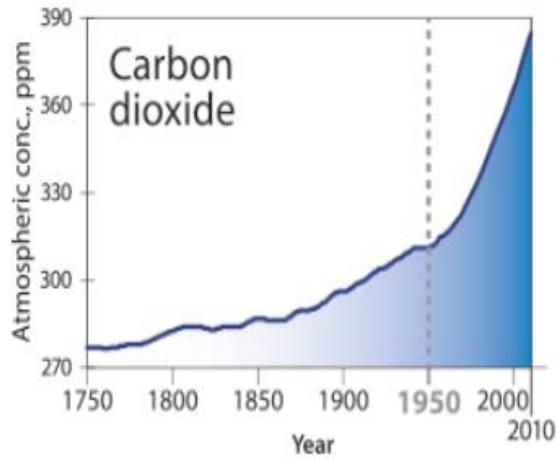


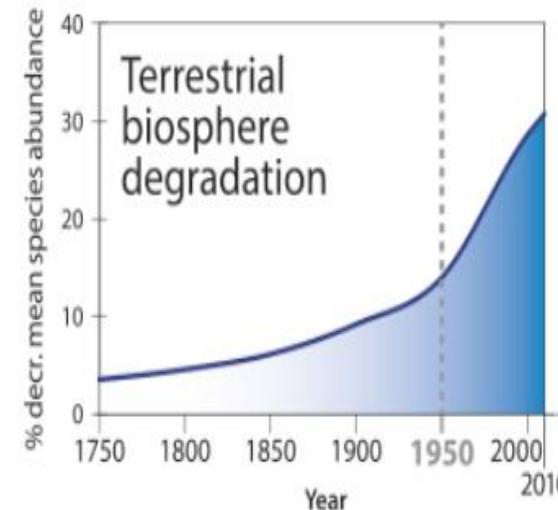
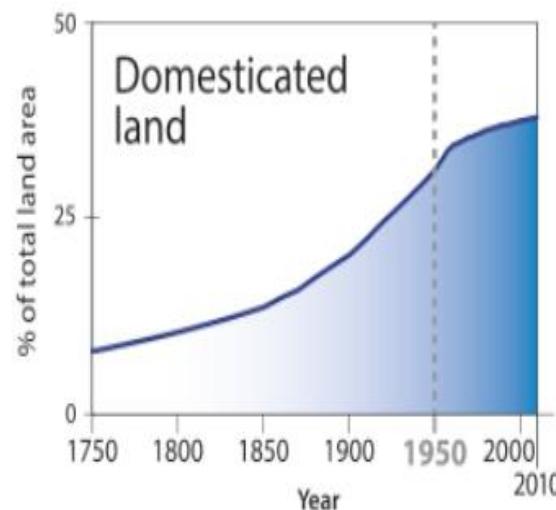
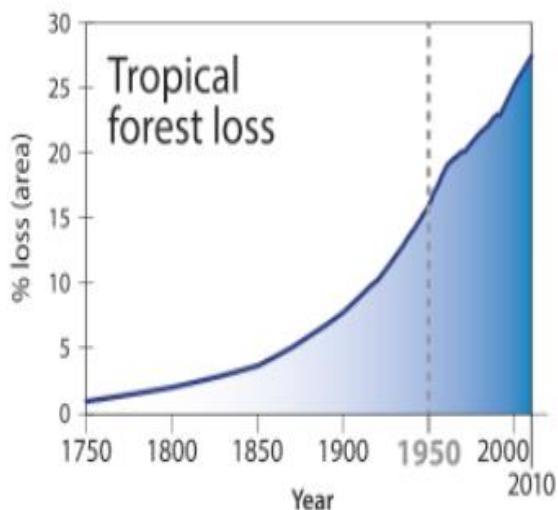
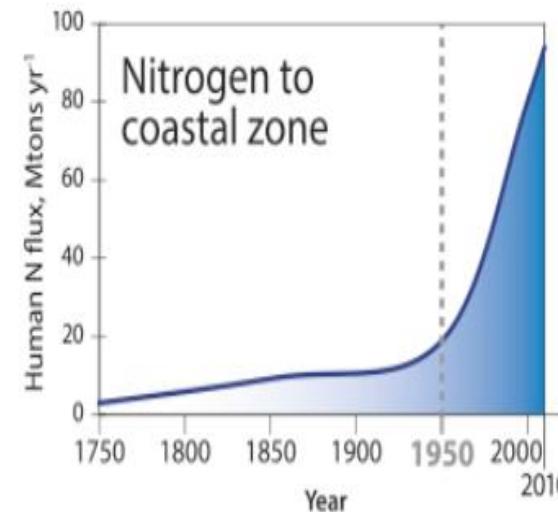
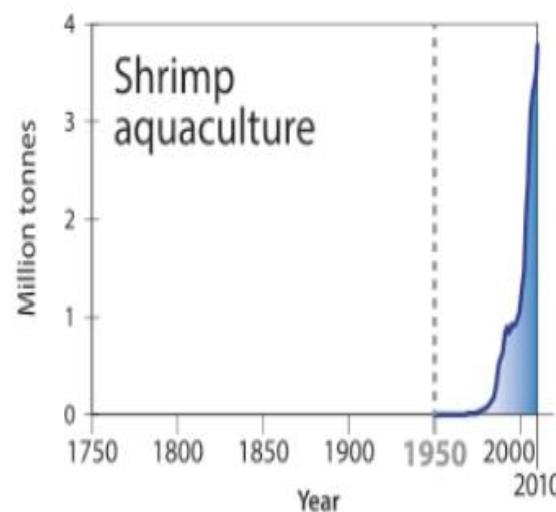
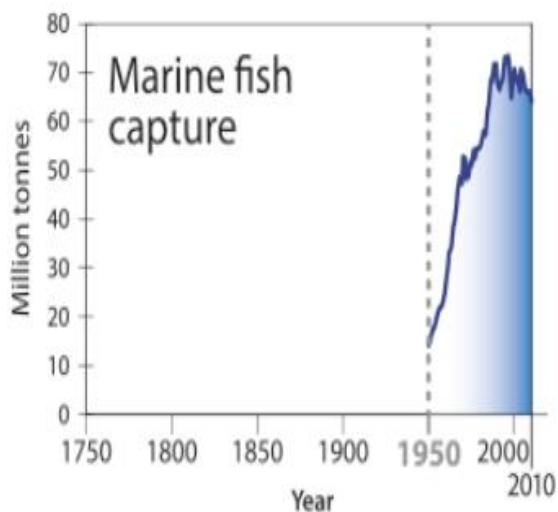
PBs are scientifically based levels of human perturbation of the Earth System (ES) beyond which the functioning of ES may be substantially altered

The green areas represent human activities that are within safe margins, the yellow areas represent human activities that may or may not have exceeded safe margins, the red areas represent human activities that have exceeded safe margins, and the gray areas with red question represent human activities for which safe margins have not yet been determined.

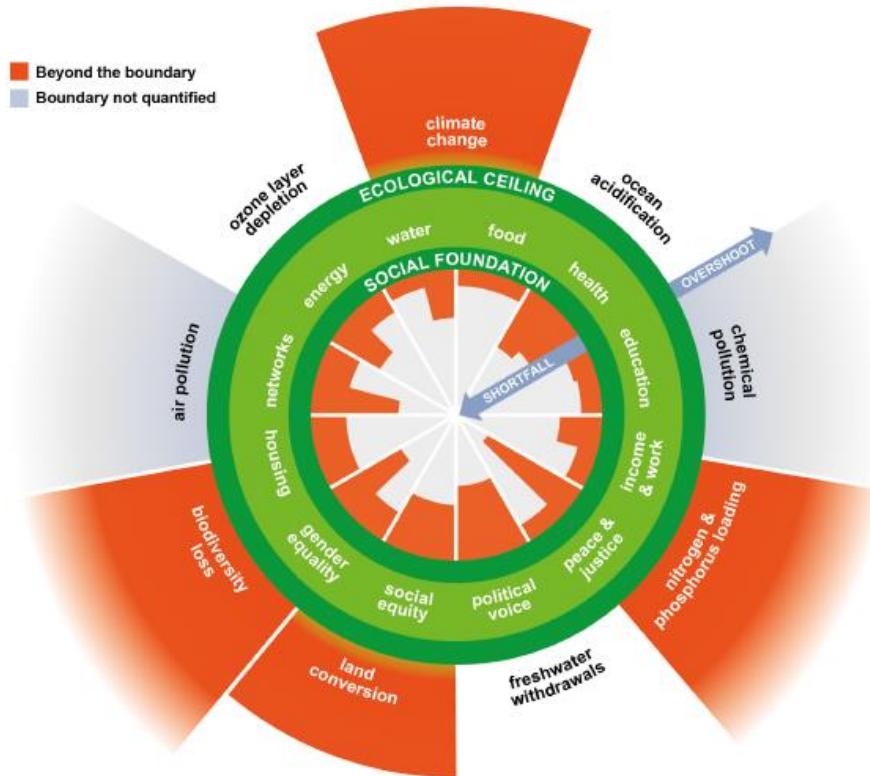
# Earth system trends

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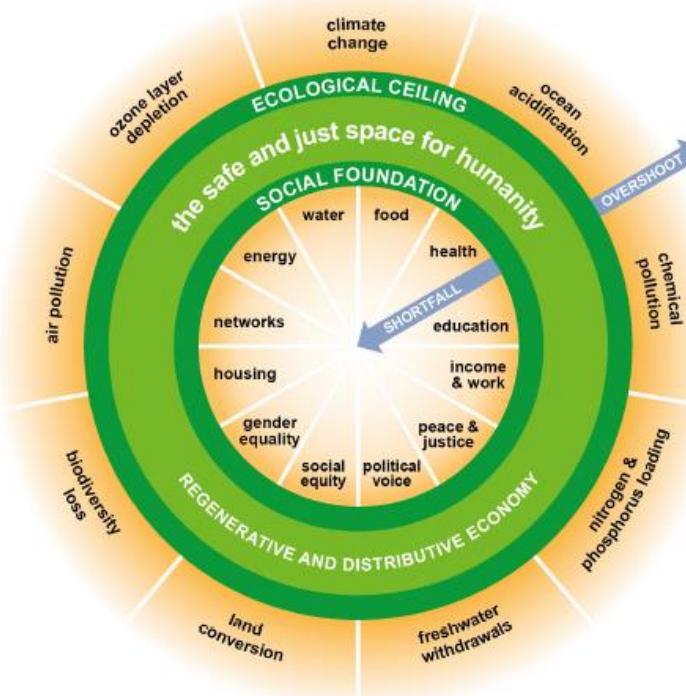
## The state of humanity and our planetary home



# DOUGHNUT ECONOMICS

Seven ways to think like a 21<sup>st</sup> century economist

KATE RAWORTH



If humanity's 21<sup>st</sup> century goal is to get into the Doughnut,  
what economic mindset gives us the best chance of getting there?



# BIG DATA & THE SDGs

How data science and analytics can contribute to sustainable development



## ① NO POVERTY

Spending patterns on mobile phone services can provide proxy indicators of income levels

## ② ZERO HUNGER

Crowdsourcing or tracking of food prices listed online can help monitor food security in near real-time

## ③ GOOD HEALTH AND WELL-BEING

Mapping the movement of mobile phone users can help predict the spread of infectious diseases

## ④ QUALITY EDUCATION

Citizen reporting can reveal reasons for student drop-out rates

## ⑤ GENDER EQUALITY

Analysis of financial transactions can reveal the spending patterns and different impacts of economic shocks on men and women

## ⑥ CLEAN WATER AND SANITATION

Sensors connected to water pumps can track access to clean water

## ⑦ AFFORDABLE AND CLEAN ENERGY

Smart metering allows utility companies to increase or restrict the flow of electricity, gas or water to reduce waste and ensure adequate supply at peak periods

## ⑧ DECENT WORK AND ECONOMIC GROWTH

Patterns in global postal traffic can provide indicators such as economic growth, remittances, trade and GDP

## ⑨ INDUSTRY, INNOVATION AND INFRASTRUCTURE

Data from GPS devices can be used for traffic control and to improve public transport

## ⑩ REDUCED INEQUALITY

Speech-to-text analytics on local radio content can reveal discrimination concerns and support policy response

## ⑪ SUSTAINABLE CITIES AND COMMUNITIES

Satellite remote sensing can track encroachment on public land or spaces such as parks and forests

## ⑫ RESPONSIBLE CONSUMPTION AND PRODUCTION

Online search patterns or e-commerce transactions can reveal the pace of transition to energy efficient products

## ⑬ CLIMATE ACTION

Combining satellite imagery, crowd-sourced witness accounts and open data can help track deforestation

## ⑭ LIFE BELOW WATER

Maritime vessel tracking data can reveal illegal, unregulated and unreported fishing activities

## ⑮ LIFE ON LAND

Social media monitoring can support disaster management with real-time information on victim location, effects and strength of forest fires or haze

## ⑯ PEACE, JUSTICE AND STRONG INSTITUTIONS

Sentiment analysis of social media can reveal public opinion on effective governance, public service delivery or human rights

## ⑰ PARTNERSHIPS FOR THE GOALS

Partnerships to enable the combining of statistics, mobile and internet data can provide a better and real-time understanding of today's hyper-connected world

Berthold M. Kuhn and Dimitrios L. Margellos present a thoroughly reflected analysis of future global trends by drawing on insights and expertise from leading researchers, think tanks, and activists. Climate change and sustainability transformation, digitalization, growing inequalities, urbanization and smart cities, green economy, and sustainable finance are among the key megatrends.

Addressing geopolitical shifts and the future of multilateralism, the authors also discuss new trends in democracy and governance, migration, the futures of health and nutrition, and civilizational developments: demography, diversity, identity politics, individualization, and gender shift. Based on their own research and a series of future talks with leading analysts and researchers from different world regions, they present cutting-edge content of future studies.

**Dr. Berthold M. Kuhn** is a political scientist, international cooperation expert, and ethical investor, focusing on climate policies and sustainability transformations. He regularly speaks at international conferences and advises international and nonprofit organizations as well as global think tanks. He was a professor at Leiden University, Tsinghua University, and Xiamen University and is now involved in research, teaching, and international conference activities at Freie Universität Berlin. He also works as an evaluator for the European Commission and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

**Dimitrios L. Margellos** excelled in one of the courses on global megatrends and international cooperation taught by Berthold M. Kuhn at Freie Universität Berlin. He has done research on inequality issues and worked on political campaigns.

*"When analyzing global megatrends, diversity of perspective is required. Interviews from internationally recognized scholars and practitioners capture global perspectives and offer readers insight into different research contexts. Highly recommended."*

**-Katrín Schweigel, Manager, University Alliance for Sustainability, Freie Universität Berlin**

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Kuhn with Margellos

Perspectives on  
Global

# MEGATRENDS

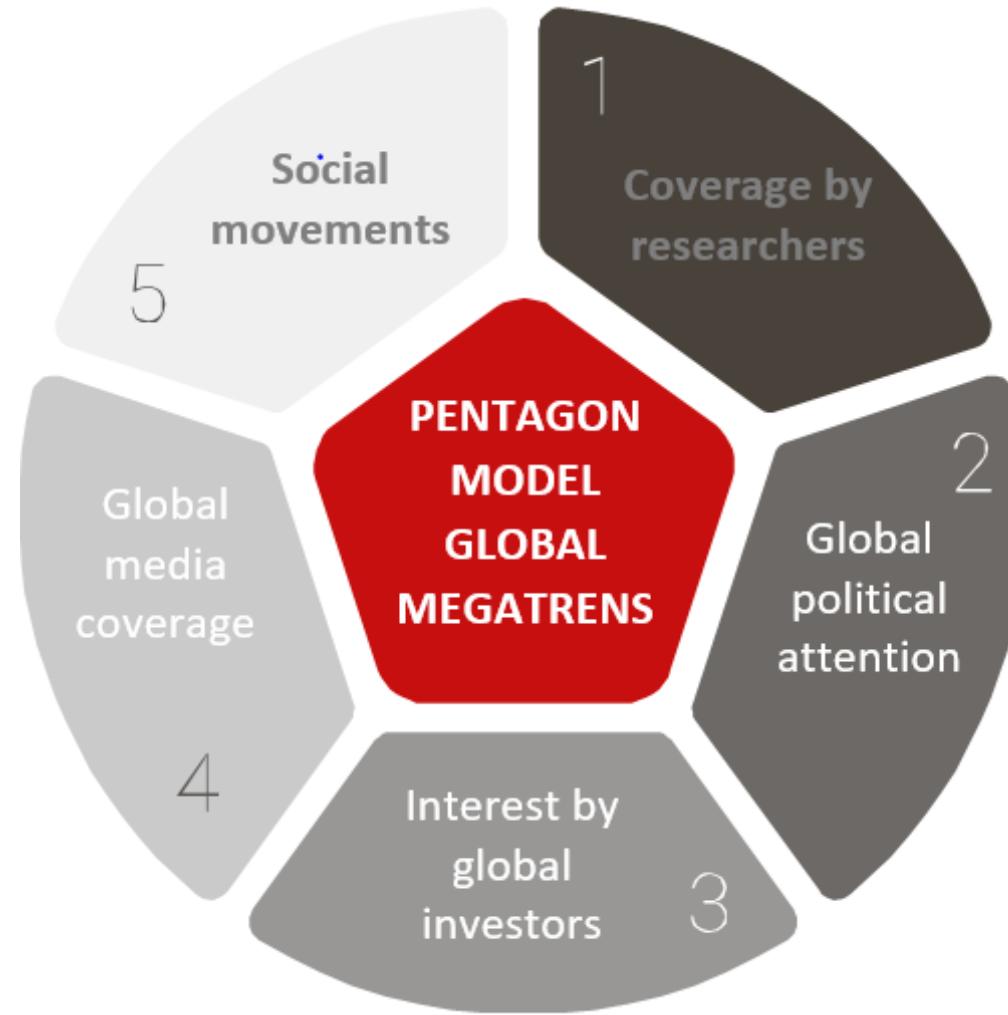
Berthold M. Kuhn  
with Dimitrios L. Margellos

Global Perspectives on

# MEGA TRENDS

The Future as Seen by  
Analysts and Researchers  
from Different World Regions

# Pentagon Model Megatrends (Kuhn with Magellos 2022).



## REGELMÄSSIGE TERMINE DER LEHRVERANSTALTUNG

Mi, 10:00 - 12:00

16 Termine

Mi, 20.10.2021 10:00 - 12:00



Dozenten:

PD Dr. Berthold Kuhn

Räume:

Ihnestr.22/UG 4 Seminarraum (Ihnestr. 22)

Mi, 27.10.2021 10:00 - 12:00



Dozenten:

PD Dr. Berthold Kuhn

Räume:

Ihnestr.22/UG 4 Seminarraum (Ihnestr. 22)

## 16 Termine

## REGELMÄSSIGE TERMINE DER LEHRVERANSTALTUNG

Mi, 10:00 - 12:00

16 Termine

Mi, 20.10.2021 10:00 - 12:00



Mi, 27.10.2021 10:00 - 12:00



Mi, 03.11.2021 10:00 - 12:00



Mi, 10.11.2021 10:00 - 12:00



Mi, 17.11.2021 10:00 - 12:00



Mi, 24.11.2021 10:00 - 12:00



Mi, 01.12.2021 10:00 - 12:00



Mi, 08.12.2021 10:00 - 12:00



Mi, 15.12.2021 10:00 - 12:00



Mi, 05.01.2022 10:00 - 12:00



Mi, 12.01.2022 10:00 - 12:00



Mi, 19.01.2022 10:00 - 12:00



Mi, 26.01.2022 10:00 - 12:00



Mi, 02.02.2022 10:00 - 12:00



Mi, 09.02.2022 10:00 - 12:00



Mi, 16.02.2022 10:00 - 12:00



# Requirements for credits: Leistungsschein, Teilnahmeschein

- You will get a "Leistungsschein" for your 20 min presentation and subsequent submission of your presentation and written summary paper of 3000 words (minimum) **until 31 March 2022**.
- If you aim for a TN Schein only, you need to act twice as discussant, deliver a presentation or a commented literature review
- There is no globally unified credit system in EU. Credits depend on the regulations of your University. For OSI credits, please consult OSI study and examination regulations.
- Please note that it is you who decides whether you would like to complete a "Teilnahmeschein" ( 3 ECTS) or a "Leistungsschein" (7 ECTS).
- [https://www.polsoz.fu-berlin.de/polwiss/studium/auslandsstudium/llp\\_erasmus/F\\_A\\_Q\\_Incoming/ECTS-and-Scheine/06.html](https://www.polsoz.fu-berlin.de/polwiss/studium/auslandsstudium/llp_erasmus/F_A_Q_Incoming/ECTS-and-Scheine/06.html)
- Instructor does only apply OSI credit regulations (3 ECTS/7 ECTS), unless written agreement with Studienbuero is presented by the student

# Regulations on Examinations (OSI Oct. 2021)

- Nicht bestandene Prüfungsversuche im Zeitraum vom 1.4.2020 **bis zum 31.3.2022** gelten als nicht unternommen, d.h. der Prüfungsversuch wird nicht gezählt. Aus Gründen der Gleichbehandlung ist für Prüfungen im Zeitraum vom 15. bis zum 31.3.2020 eine analoge Anwendung von [§ 126b BerHG](#) vorzunehmen. Wenn der Tag der Prüfung bzw. der Tag der Abgabe einer schriftlichen Arbeit mithin im Zeitraum vom 15.3.2020 bis zum 31.3.2022 liegt, gelten nicht bestandene Prüfungsversuche als nicht unternommen. Gleiches gilt, wenn mindestens ein Tag des Bearbeitungszeitraums für eine schriftliche Arbeit im Zeitraum vom 15.3.2020 bis zum 31.3.2022 liegt.
- **Von der Regelung ausgenommen** sind Prüfungsversuche, die **aufgrund von Täuschung mit „nicht bestanden“ bewertet wurden**. Ferner fallen die **Nichtabgabe einer schriftlichen Arbeit oder das Versäumen eines bindenden Prüfungstermins ohne triftigen Grund ebenfalls nicht unter diese Regelung**.
- Wenn ab dem 1.4.2020 eine Prüfung nicht bestanden, aber zwischenzeitlich einen erneuten und nun erfolgreichen Versuch unternommen haben, gilt die Regelung nicht, da Sie die Prüfung ja bestanden haben.
- **Somit sind bitte für oben genannten Zeitraum keine 5,0 in Campus Management einzutragen, mit Ausnahme der von der Regelungen ausgenommen.**
- Diese Info ist bereits auf der betreffenden [FU-Berlin.de](#) Homepage sowie auf der [fachbereichsinternen Homepage](#) veröffentlicht.