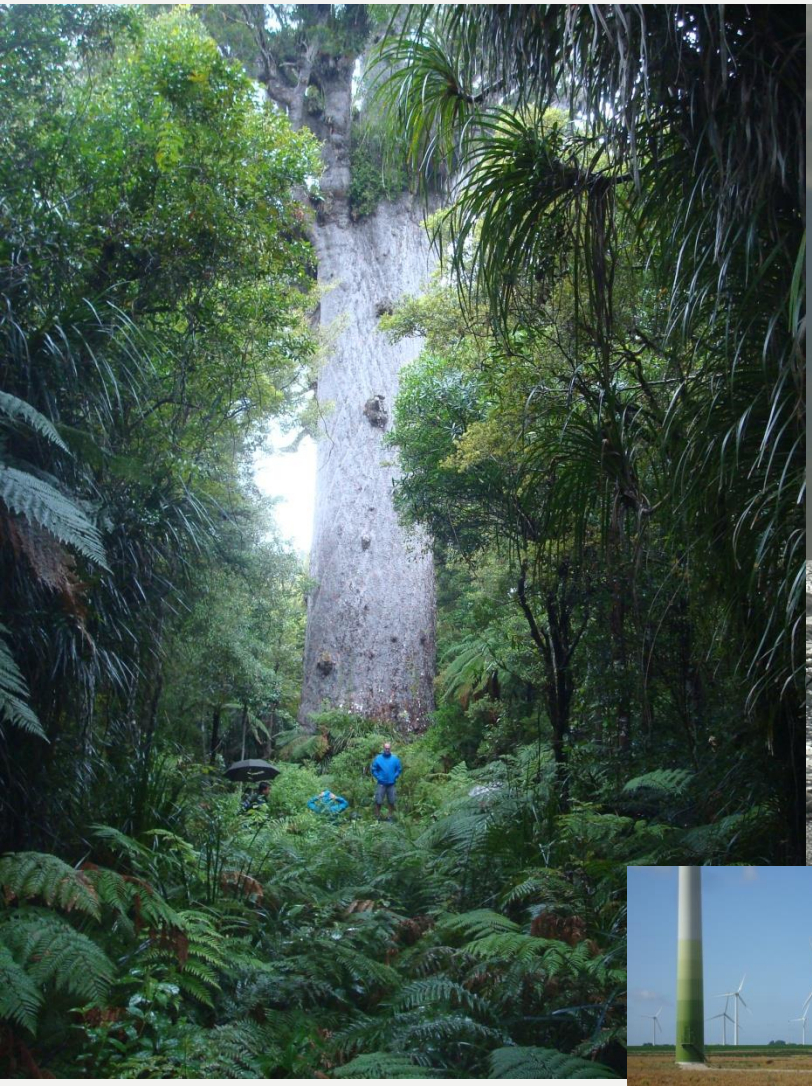
LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

M.Sc. Programme
Human Geography and Sustainability



Human Geography & Sustainability

Monitoring, Modelling & Management


Welcome!

Prof. Dr. Gordon Winder

Economic Geography and Sustainability Research, Historical Geography

Prof. Dr. Matthias Garschagen

Urban Geography, disaster risk and climate change adaptation

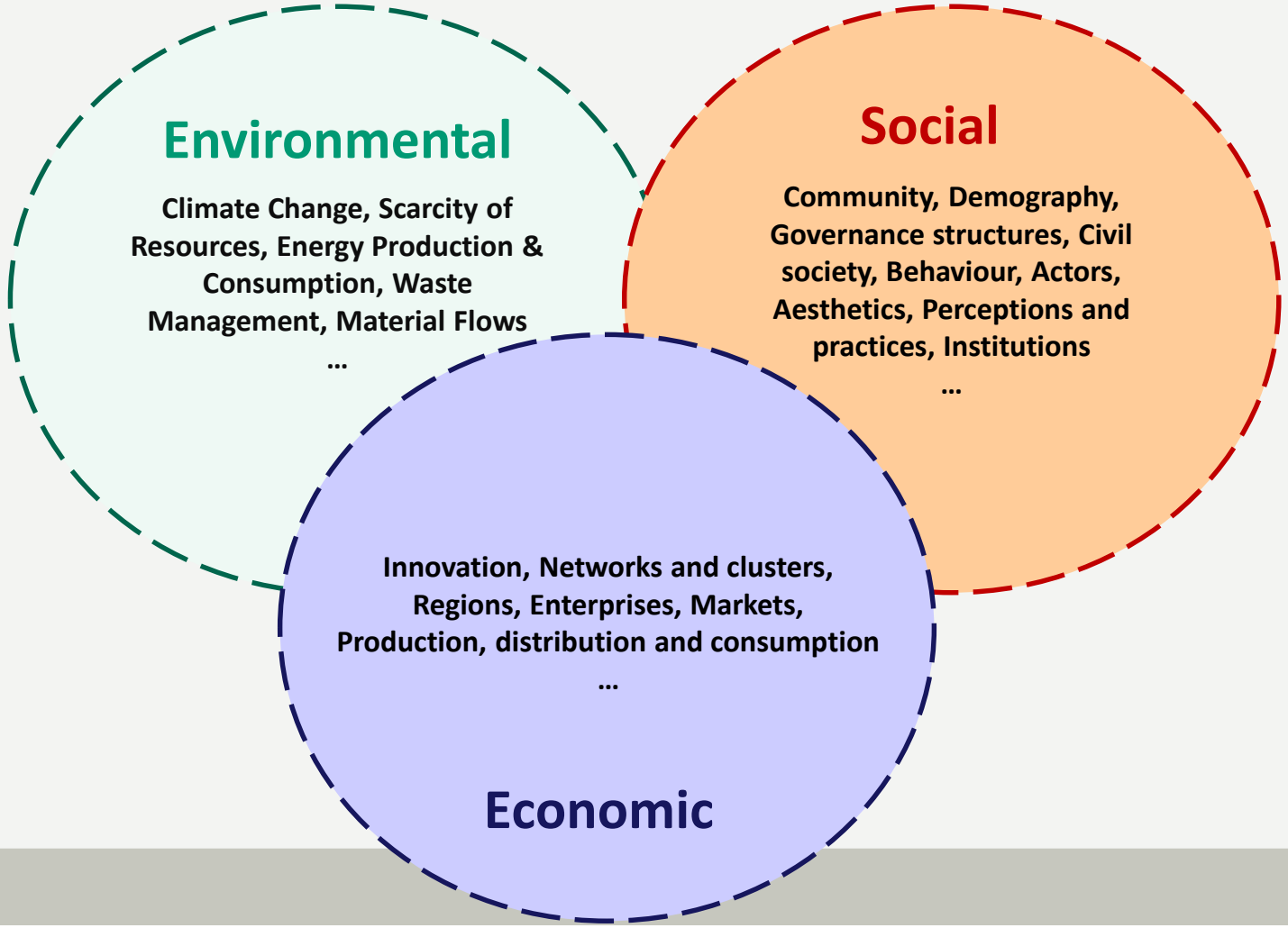
Prof. Dr. Henrike Rau

Social Geography and Sustainability Research

Prof. Dr. Johannes Glückler

Economic Geographies of the Future, Institutions, Networks & Governance of innovation and economic change

Three Dimensions of Sustainability



Goals

The Masters programme confronts global, national, regional and local sustainability challenges regarding:

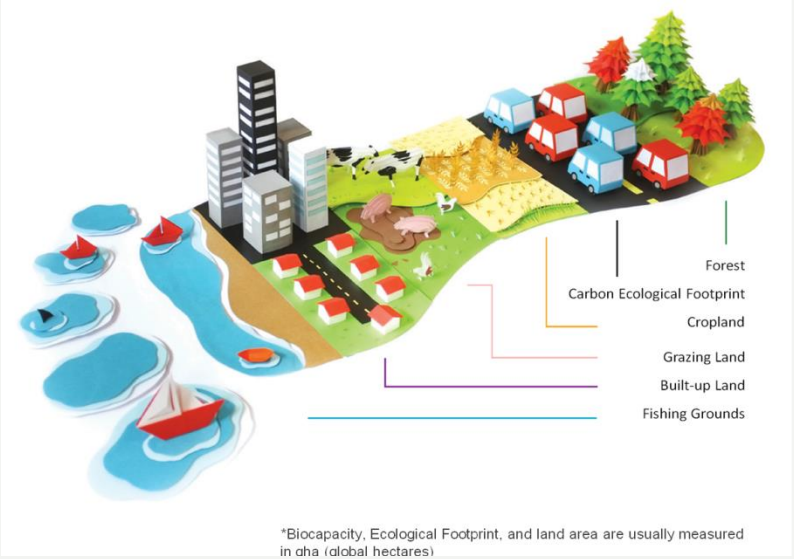
- Resource extraction and management
- Rural and urban development
- Consumption and value chains
- Tourism and mobility
- Climate change mitigation and adaptation
- Disaster risk reduction


Firewood, Berchtesgadenerland (Winder 2012)

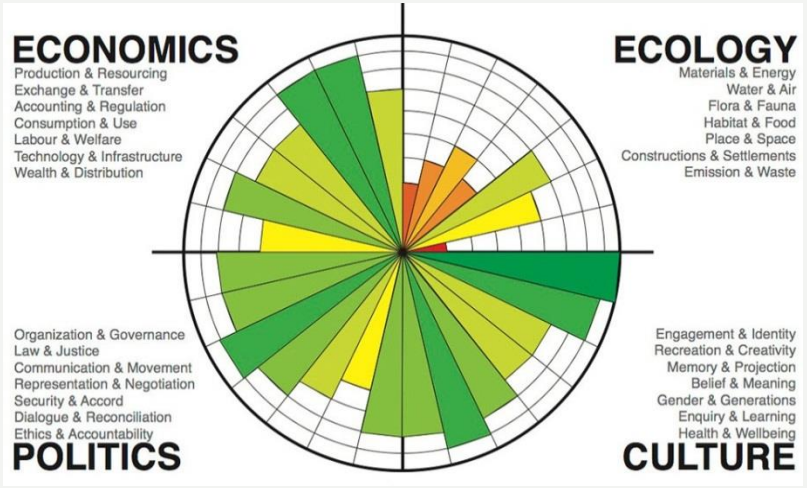

Lignite mine, Greissen, Lausitz (East Germany)
http://scenariojournal.com/wp-content/uploads/2015/09/JHF_3402-139.jpg

It equips students with the necessary skills to:

- **Understand transitions** towards sustainability
- Successfully apply different **geographical and inter- and transdisciplinary methods** for investigating past, present and future sustainability issues
- Effectively use both **established and emerging assessment and visualisation tools** to capture, analyse and display pressing sustainability problems



http://www.zujiwangluo.org/wp/wp-content/uploads/2015/10/EF-English.png



http://blogs.rochester.edu/thegreendandelion/wp-content/uploads/2014/04/sustainable-measures1-980x600.jpg

SUBJECT -SPECIFIC SKILLS

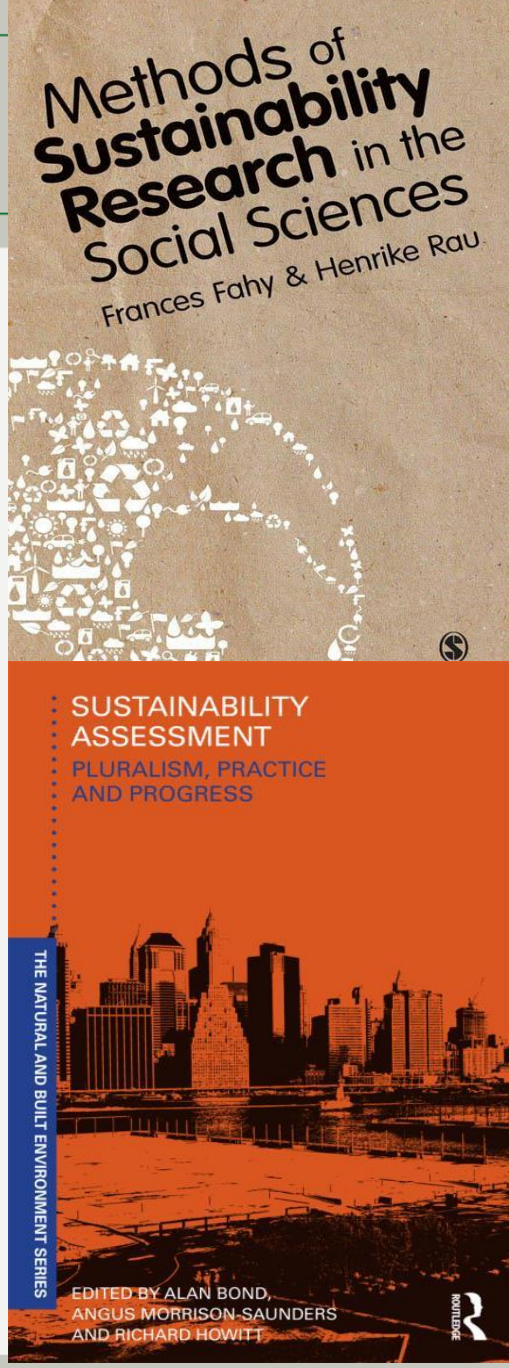
Knowledge of different theories and concepts concerning:

- Sustainability/sustainable development
- Sustainability transitions - people, processes & politics
- Sustainable use of land and natural resources
- Social & economic geographies of (un)sustainability
- Vulnerability, resilience and transformation

This requires **critical engagement with a wide range of relevant literature.**

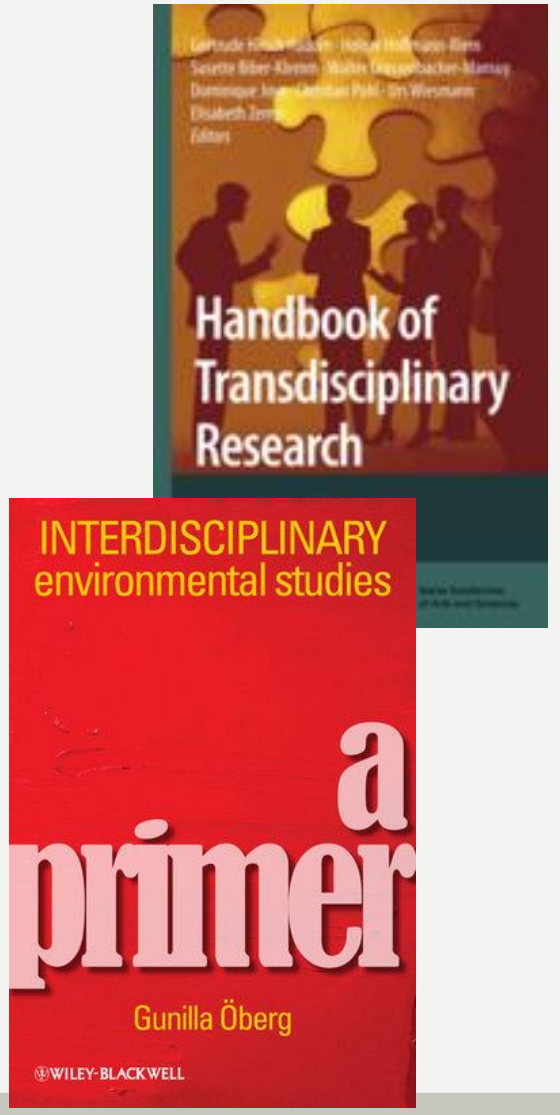
METHODOLOGICAL SKILLS

- **Investigation and visualisation** of social-environmental processes
- **Qualitative & quantitative methods** of data collection and analysis
- Statistical analysis of large data sets
- Sustainability assessment & trade-off analysis
- Scenario analysis and scenario planning
- Knowledge of **inter- and transdisciplinary research**
- Ability to apply methods to diverse fields of sustainability research



SOFT SKILLS

- Competence in a range of methods & presentation skills
- Self-learning
- Time management
- Team work
- Moderation of discussions
- Interaction with non-academic partners during transdisciplinary projects



Employment opportunities

- You will gain **in-depth knowledge of sustainability theory & analysis**, with a focus on perspectives from human & integrative geography
- Transdisciplinary project seminars in Year 1 and 2 will facilitate **contacts with practitioners & potential future employers**
- You will **gain experience researching real-world problems**
- Knowledge and understanding of social & economic aspects of sustainability are the basis for employment in science and practice
- Possible areas of employment include: ministries, agencies & planning offices; administration; research institutions; private companies; NGOs

Wind farm, Schleswig-Holstein (Winder 2011)

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M.Sc. Programme
Human Geography and Sustainability

Study Program Human Geography and Sustainability - Monitoring, Modeling and Management (M.Sc.)

	Subject			Methods			Training & Field		ECTS
4. Semester	P 14 Finale Module - **Master Thesis + Disputation (27 + 3 ECTS)**								30
3. Semester	P 12 **Land Use Systems and Land Use Conflicts [Landnutzungssysteme und Landnutzungskonflikte]** L + S (3+3 ECTS)			WP 1-4 **Applied Statistics** **Applied Qualitative Methods** **Applied Simulation Modeling** **Applied Sustainability Assessment** select 3 out of 4 S (each 3 ECTS)			P 13 Transdisciplinarity - **Transdisciplinary Methods and Transdisciplinary Project** S+S (3+12 ECTS)		30
2. Semester	P 10 **Sustainability and Resources** L + E (3+3 ECTS)		P 8 Special Aspects of Geography and Sustainability - **Trade-offs in Sustainability** S (3 ECTS)	P 7.2 Scientific Tools I - **Sustainability Assessment** S (3 ECTS)	P 11 **Simulation Modeling** L + E (3+3 ECTS)		P 9 Scientific Tools II - **Proposal Writing and Project Seminar in Sustainability** S + PS (3+6 ECTS)		P 6 **Field Trip in Sustainability** S + EX (3+3 ECTS)	30
1. Semester	P 1 **Concepts of Sustainability** L + E (3+3 ECTS)	P 2 Special Aspects of Geography and Sustainability - **Concepts and Definitions** S (3 ECTS)	P 3 Special Aspects of Geography and Sustainability - **Transition and Resilience** S (3 ECTS)	P 7.1 Scientific Tools I - **Scientific Methods** L (3 ECTS)	P 4 **Quantitative Methods** L + E (3+3 ECTS)	P 5 **Qualitative Methods** L+E (3+3 ECTS)				30
ECTS	27			39			24			120

L = Lecture S = Seminar E = Exercise EX = Excursion PS = Projektseminar

- **Projektseminare** im 2. und 3. Semester
- **Kollaborationen mit Praxispartnern** (u.a. Unternehmen, MVG, Stadt München, Münchener Initiative Nachhaltigkeit – MIN)
- Intensive **Gruppenarbeit** und **Feldforschung**

Projektseminar im WS 2023-24 in Kollaboration mit dem FC Bayern

WEITERE INFORMATIONEN AUF UNSERER WEBSITE

https://www.geographie.uni-muenchen.de/department/fiona/studium/studiengaenge/master-human/flyer_humangeographie_msc.pdf

Bewerbungsfrist: 15. Juli 2024