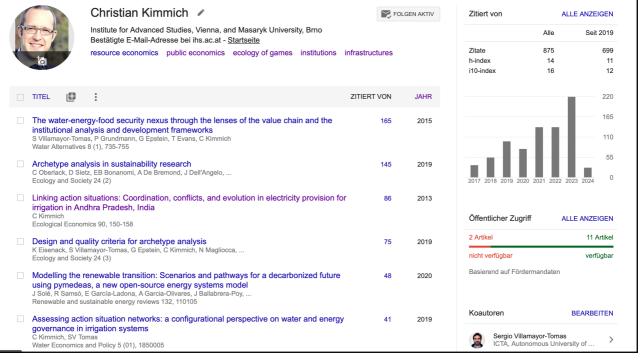
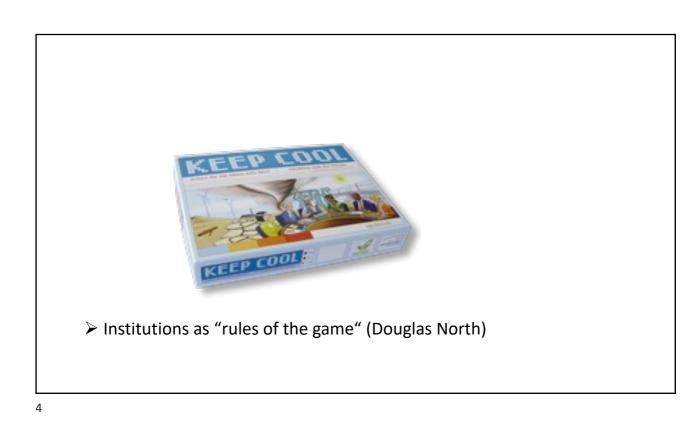
Institutional and Resource Economics

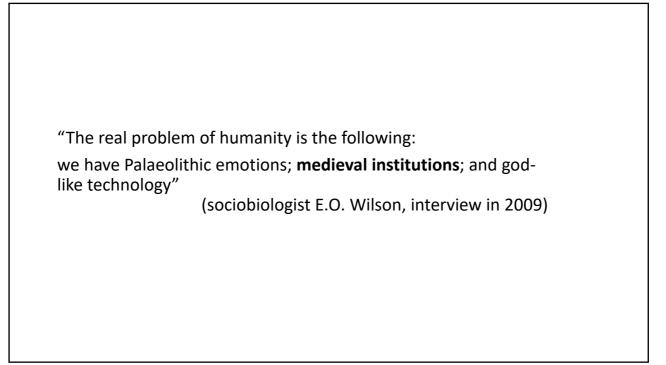
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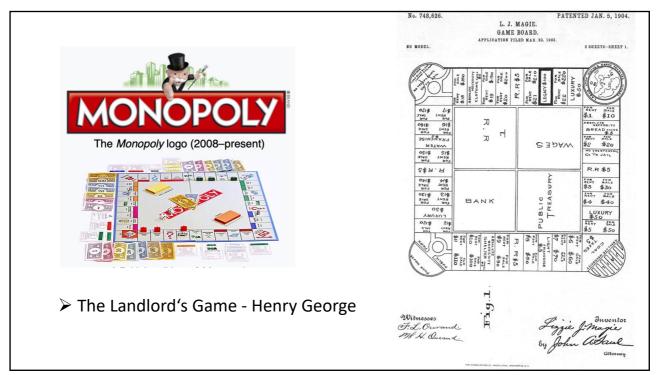


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ome > Energy, Environment, and Sustainable E	conomic Structures	
Education and Employment	Energy, Environment, and Sustainable Economic Structures	
European Governance, Public Finance and Labor Markets	Climate change has serious ecological, social, and economic impacts. Meeting global and national targets to limit global warming can only succeed with sustainable structures in all sectors of the economy. Th applies to agriculture, industry, transport, and buildings, among othe	is A
Health Economics and Health Policy	things. Here, both the private sector, i.e., companies and households and the government are called upon. In general, the government set: framework, for example by an ecological design of the tax system or	s, s the
Higher Education Research	market interventions to correct market failures, for example by assig a price to environmental use or pollution.	
Macroeconomics and Business Cycles	The government's options for action may involve public infrastructur- enable sustainable mobility and a renewable energy supply or ensuri the availability of critical raw materials. It can also mean accelerating	ing Christian Kimmich
Energy, Environment, and Sustainable Economic	diffusion of energy and environmental innovations to make compani the same time more climate-friendly and competitive. A particularly important aspect here is making households and companies resilient	Sprecher für Energie- und



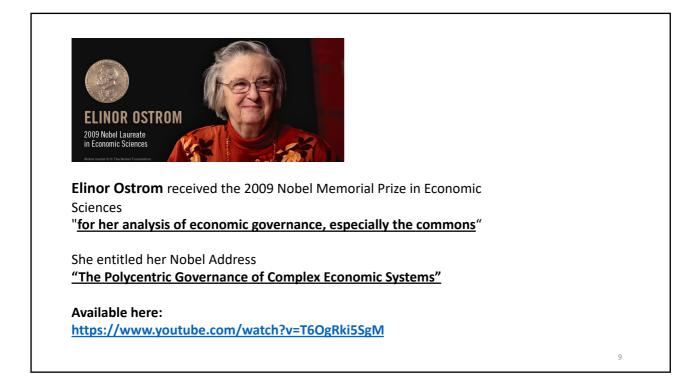


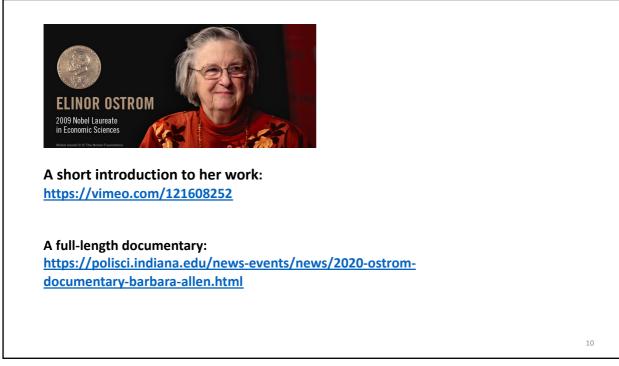


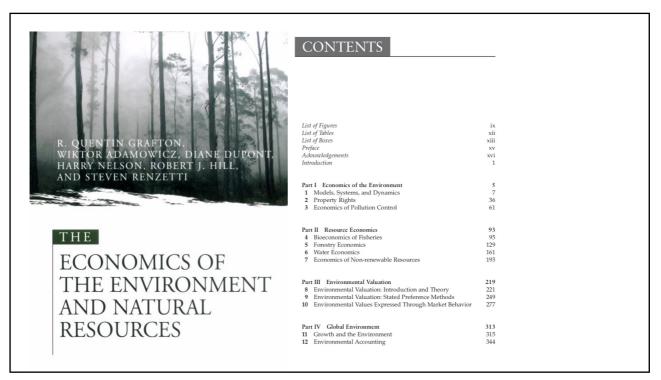


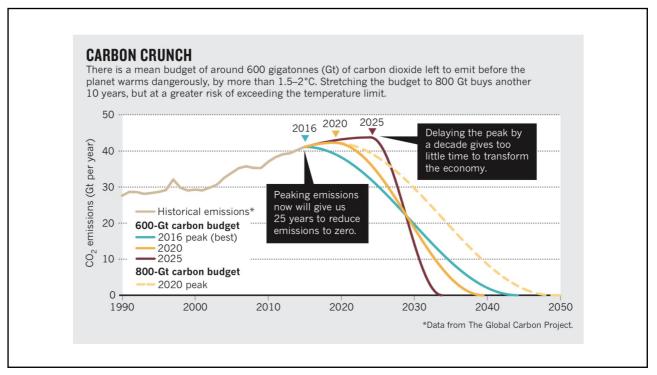
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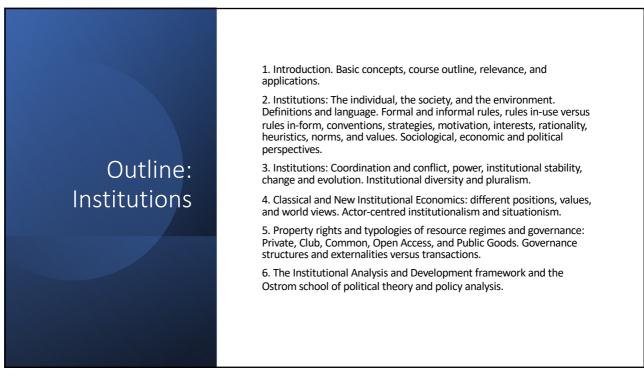








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17.5. Presentations II and Debate, Open Space, Experiment (4 hrs)		17.5.	Presentations II and Debate, Open Space, Experiment (4 hrs)



Outline: Resources

8. Resource Economics: The use and limitations of models. Stocks, flows, and funds. Exponential and logistic growth, Gordon-Schaefer models. Renewable and non-renewable resources: water, energy, land and climate change in agriculture, forestry, and fisheries.

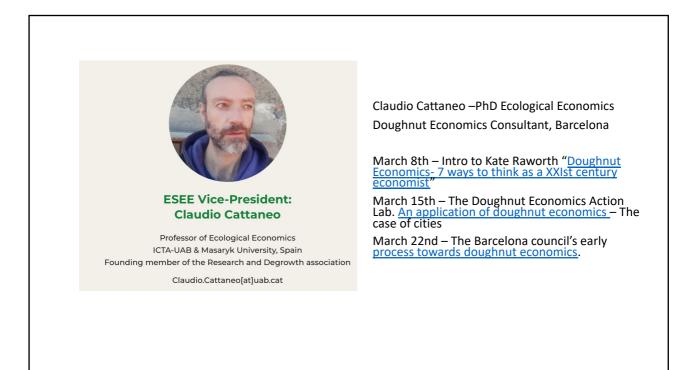
9. Ecological Resource Economics: towards an intuition of complex system dynamics. Lotka-Volterra models, steady states, stability, tipping points, thresholds, leverage points, resilience and collapse.

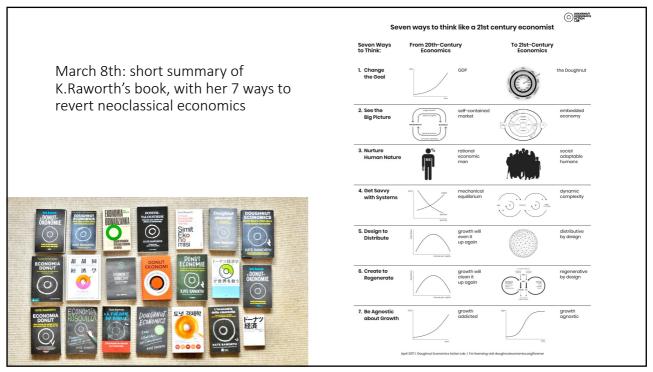
10. Applications and methods of Institutional and Resource Economics: Selected cases on exploitation, degradation, erosion, and conservation in agriculture, forestry, and fisheries. Methodological reflection and interactive debate.

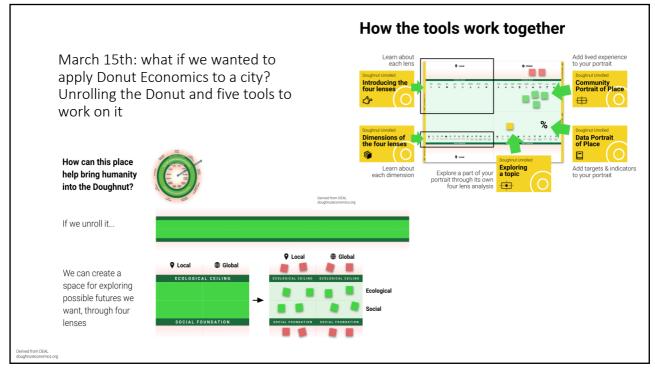
11. Group work presentation and discussion on applications selected by the students.

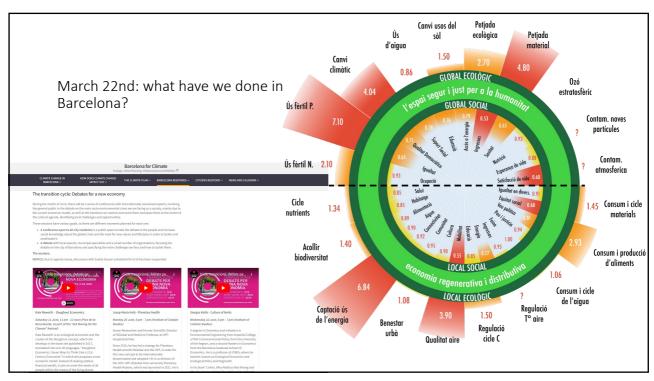
12. Towards Social-Ecological Systems and Sustainability Transformations.

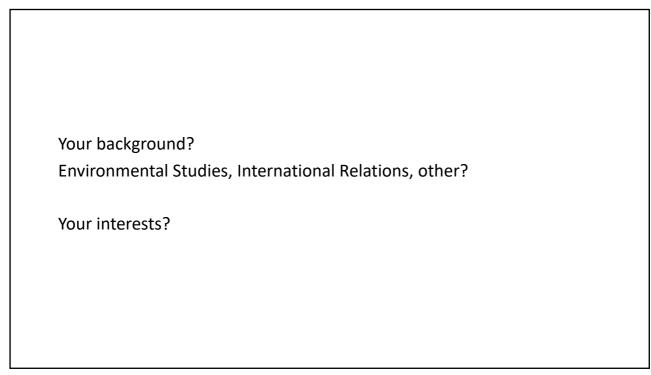


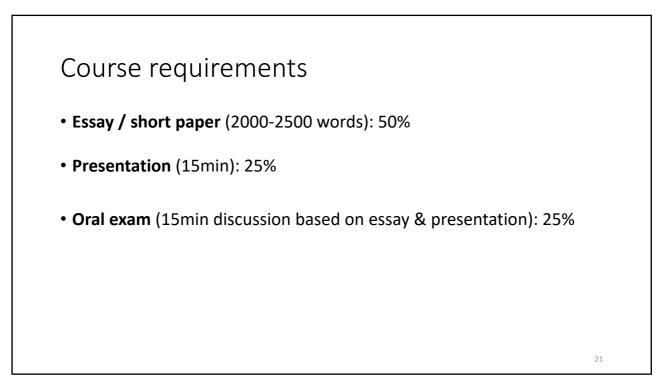














	Ing. Zbyněk Ulčák, Ph.D.	~
Thesis topics	Mgr. Péter Szabó, Ph.D.	~
	Christian Kimmich, Ph.D., M.Sc.	^
https://enviro.fss.muni.cz/bc/zaverecne-prace	 Organizing food/textiles/wood provision sustainably: How are local or global food/textiles/wood value chains structured and organized? How are sustainable value chains organized differently? Whi difference can organization make in production behavior? Can global value chains be sustainable? Of they be resilient? A related thesis topic and research question should focus on one specific natural resource and related value chain within an empirical case study. A related thesis could use theories a qualitative or quantitative methods from political economy and ecology, qualitative game theory, or accentered network and institutional analysis, among others. Water and energy in agricultural systems: How energy- and irrigation-dependent are agriculturar systems? How can organic or permaculture differ with respect to energy and water input and related organization? Which difference can renewable energies make? A thesis related to this topic could co selected climate-specific agricultural systems from Europe or Asia and related overnance structures the provisioning of natural resources for food production. The thesis could use theories and methods from political economy and ecology, qualitative and methods from political economy and ecology. 	ich Can Ctor- al ver s for
	3) Understanding cooperative governance and public goods provisioning: What characterizes entrepreneurship and collective action in the context of eco-social co-operatives? How does coopera entrepreneurship differ from other forms? Which role do co-operatives play in public utilities? This the should contain an empirical part that could focus on recently founded co-operatives, for example. The thesis could employ any suitable theory and qualitative or quantitative empirical method, including qualitative comparative analysis.	esis

