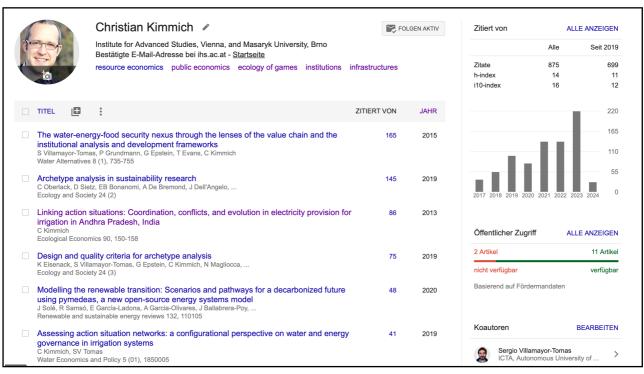
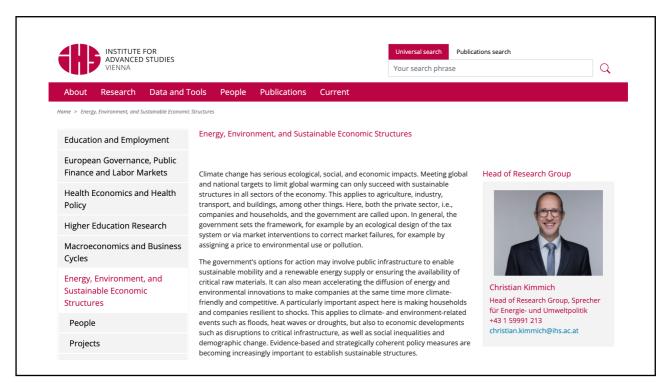
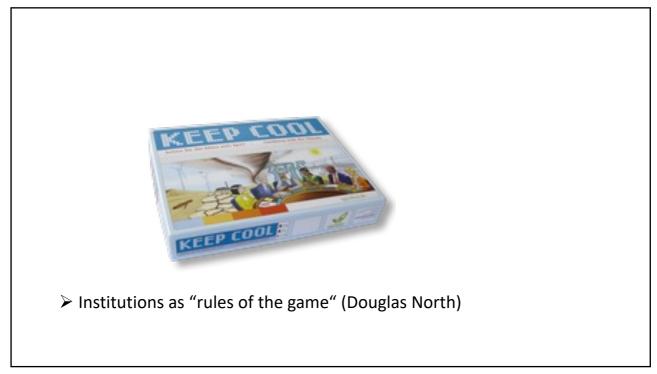
Institutional and Resource Economics

ENSn4669

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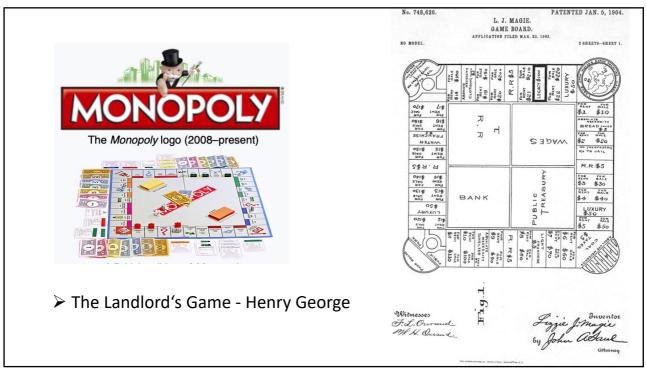


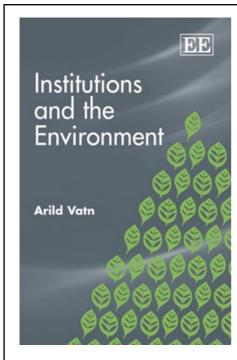




"The real problem of humanity is the following:
we have Palaeolithic emotions; **medieval institutions**; and god-like technology"
(sociobiologist E.O. Wilson, interview in 2009)

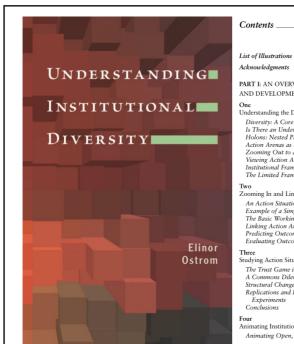
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Elinor Ostrom received the 2009 Nobel Memorial Prize in Economic Sciences

"for her analysis of economic governance, especially the commons"

She entitled her Nobel Address

"The Polycentric Governance of Complex Economic Systems"

Available here:

https://www.youtube.com/watch?v=T6OgRki5SgM

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A short introduction to her work:

https://vimeo.com/121608252

A full-length documentary:

https://polisci.indiana.edu/news-events/news/2020-ostrom-documentary-barbara-allen.html

PRESS RELEASE

14 October 2024

The Prize in Economic Sciences 2024

The Royal Swedish Academy of Sciences has decided to award the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel 2024 to

Daron Acemoglu

Simon Johnson

James A. Robinson

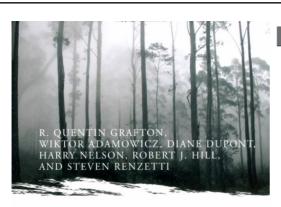
Massachusetts Institute of Technology, Cambridge, USA Massachusetts Institute of Technology, Cambridge, USA University of Chicago, IL, USA

"for studies of how institutions are formed and affect prosperity"

They have helped us understand differences in prosperity between nations

This year's laureates in the economic sciences – Daron Acemoglu, Simon Johnson and James Robinson – have demonstrated the importance of societal institutions for a country's prosperity. Societies with a poor rule of law and institutions that exploit the population do not generate growth or change for the better. The laureates' research helps us understand why.

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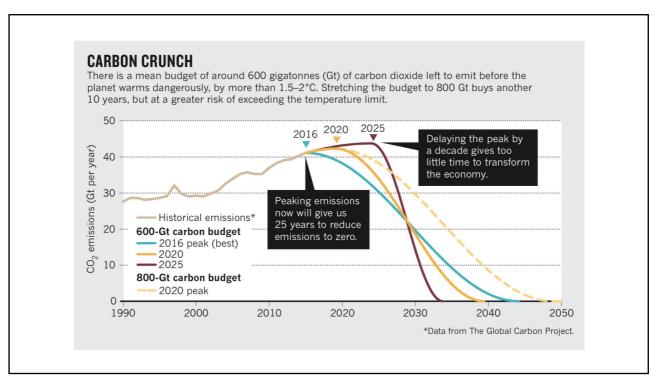


THE

ECONOMICS OF THE ENVIRONMENT AND NATURAL RESOURCES

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Timeline	Date		
ППеше	21.2.	Course introduction / Institutions	
	28.2.	Institutions II / Introduction to Claudio Cattaneo	
	7.3.	Classical Institutionalism and New Institutional Economics, Property rights and resource regimes, Commons	
	14.3.	New Political Economy, Public Choice, Evolutionary Economics	
	21.3.	Ecological Resource Economics	
	28.3.	Applications: water, forests, fisheries Case study: The Water–Energy–Food Nexus in India	
	4.4.	Doughnot Economics: From Planetary Boundaries to thinking how an economy can be regenerative by design (Claudio Cattaneo)	
	11.4.	Application of the doughnut at the city scale - Barcelona as an example (Claudio Cattaneo)	
	18.4.	[Easter – Great Friday]	
	25.4.	Paper discussions; Case study II: Forestry Q&A, discussion of your assignments	
	2.5.	Reading week	
	9.5.	Block postponed to 16.5.	
	16.5.	Presentations and Debate, Open Space, Experiment (4 hrs)	

Course requirements

 Paper reading and discussion (10min): 10% Deadline: 25.4.

2. Term paper draft (2000-2500 words): 30% Deadline: 9.5. (end of reading week)

3. Presentation & oral exam (15min & 15min): 50% (15min discussion based on paper & presentation) Deadline: 16.5. (upload to your MUNI folder or USB)

4. Term paper final: 10%

Deadline: 15.6.

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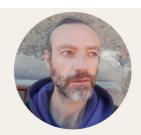
Outline: Institutions

- 1. Introduction. Basic concepts, course outline, relevance, and applications.
- 2. Institutions: The individual, the society, and the environment. Definitions and language. Formal and informal rules, rules in-use versus rules in-form, conventions, strategies, motivation, interests, rationality, heuristics, norms, and values. Sociological, economic and political perspectives.
- 3. Institutions: Coordination and conflict, power, institutional stability, change and evolution. Institutional diversity and pluralism.
- 4. Classical and New Institutional Economics: different positions, values, and world views. Actor-centred institutionalism and situationism.
- 5. Property rights and typologies of resource regimes and governance: Private, Club, Common, Open Access, and Public Goods. Governance structures and externalities versus transactions.
- 6. The Institutional Analysis and Development framework and the Ostrom school of political theory and policy analysis.

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. Towards Social-Ecological Systems and Sustainability Transformations.

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ESEE Vice-President: Claudio Cattaneo

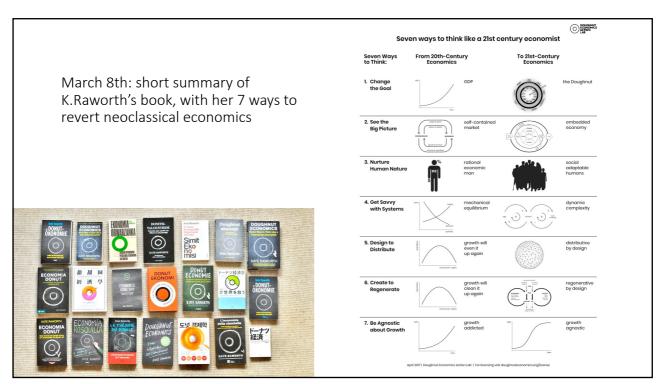
Professor of Ecological Economics
ICTA-UAB & Masaryk University, Spain
Founding member of the Research and Degrowth association
Claudio.Cattaneo[at]uab.cat

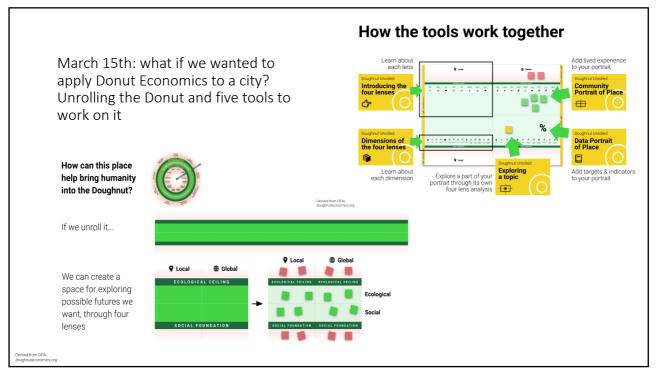
Claudio Cattaneo –PhD Ecological Economics Doughnut Economics Consultant, Barcelona

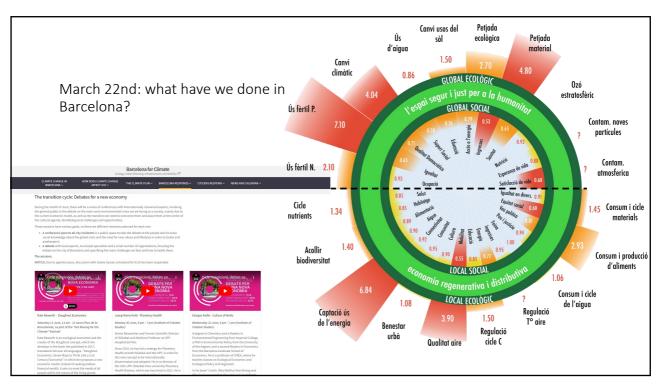
March 8th – Intro to Kate Raworth "Doughnut Economics- 7 ways to think as a XXIst century economist"

March 15th – The Doughnut Economics Action Lab. <u>An application of doughnut economics</u> – The case of cities

March 22nd – The Barcelona council's early process towards doughnut economics.







Your background?

Environmental Studies, International Relations, other?

Your interests?

INTERVIEW

22 TELEV**IZI**ON 25/2012/E

Learning enthusiastically

A conversation with Prof. Dr. Gerald Hüther*

How do people learn?

Generally speaking, we think "learning" means cognitive, formal learning. We tend to associate "learning"

ized society. Picture yourself how you felt as a small child when, after trying many times, you eventually managed to haul yourself up by the You mention the "power of inner images" in your publications. What are inner images?

As a biologist I am naturally excited

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Thesis topics

https://enviro.fss.muni.cz/bc/zaverecne-prace

Ing. Zbyněk Ulčák, Ph.D.

Mgr. Péter Szabó, Ph.D.

Christian Kimmich, Ph.D., M.Sc.

1) 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? Which difference can organization make in production behavior? Can global value chains be sustainable? Can 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 and qualitative or quantitative methods from political economy and ecology, qualitative game theory, or actor-centered network and institutional analysis, among others.

2) Water and energy in agricultural systems: How energy- and irrigation-dependent are agricultural 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 cover selected climate-specific agricultural systems from Europe or Asia and related governance structures for the provisioning of natural resources for food production. The thesis could use theories and methods from political economy and ecology, game theory, network and institutional analysis.

3) Understanding cooperative governance and public goods provisioning: What characterizes entrepreneurship and collective action in the context of eco-social co-operatives? How does cooperative entrepreneurship differ from other forms? Which role do co-operatives play in public utilities? This thesis 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.

Thesis topics

https://enviro.fss.muni.cz/bc/zaverecne-prace

4) Board games, complex experiments, and ecological economics: Who were the inventors of the board game Monopoly? Which ideas were behind this invention? Which role could board games and experiments play in social—ecological transformations? As an MA thesis, this topic could include an experiment, or an empirical study about perceptions of the game narratives and related beliefs, or related questions concerning games in society, economics, and the environment.

5) Drivers and constraints of climate and energy policies: Which factors support or constrain the renewable energy expansion and energy transition that is so urgently needed for climate mitigation? Which role does the labor market play? This thesis could build on theories from ecological economics and conduct an input-output analysis for a selected country.



Studijní záležitosti

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