Talking about urban resilience

What changes of cities during a global crisis?

Roberto Rocco, Associate Professor of Spatial Planning and Strategy Delft University of Technology

Event organised by the Politecnico di Torino By Ombretta Caldarice





Relationship between



..independent but complemetary concepts

"Resilience thinking offers a promising framework for framing [environmental] risks posed through the non-linear responses of complex systems to natural and human-induced disturbance pressures".

Resilience is thought of as "the capacity of a system to absorb disturbances and reorganize while undergoing change so as to still retain essentially the same function, structure, identity, and feedbacks."

Walker et al. 2004: 2

"In comparison to other management paradigms the paradigm of resilience assumes:

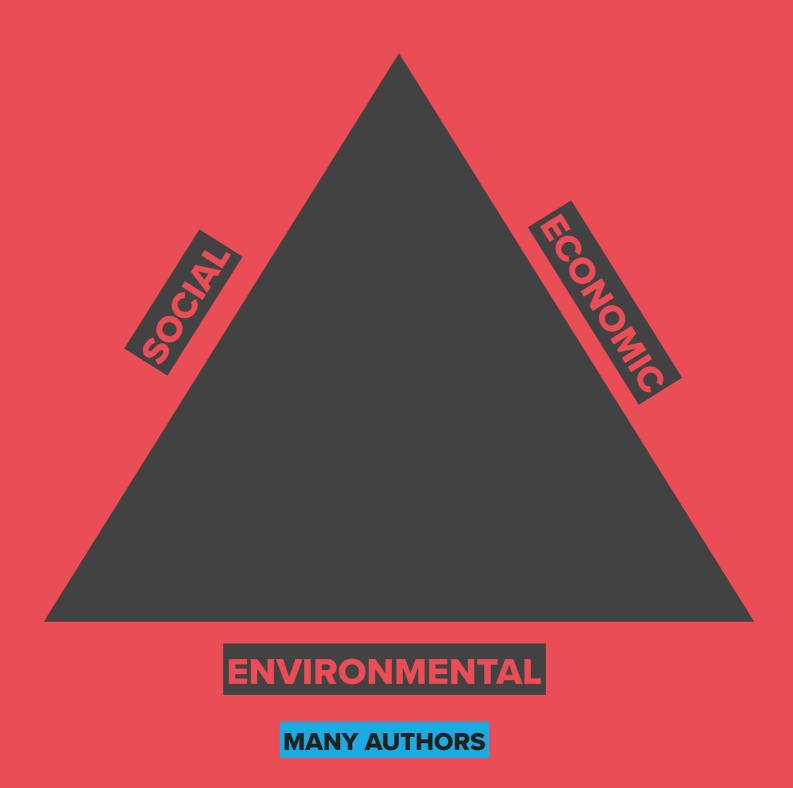
- 1. the existence of multiple local equilibriums
- 2. hysteresis (output of a system depends not only on its input, but also on its history of past inputs)
- 3. alternative stable states
- 4. regime shifts".

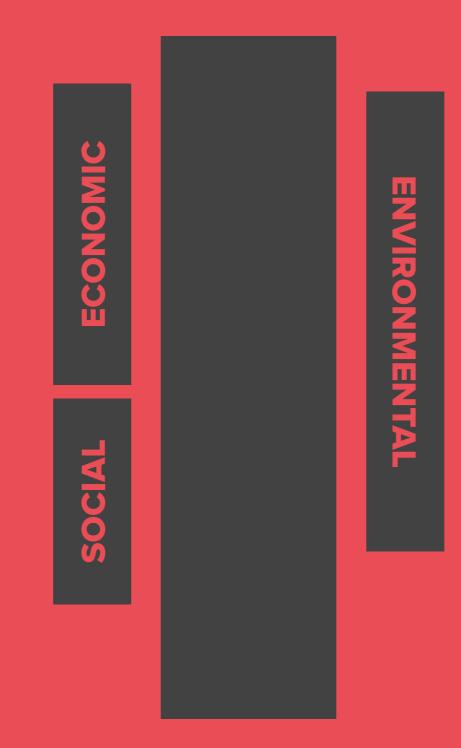
A conservative understanding of resilience often emphasizes the maintenance of a given system state, without reflecting on the characteristics and desirability of possible alternative stable states.

We need criteria to evaluate what states we want or need.

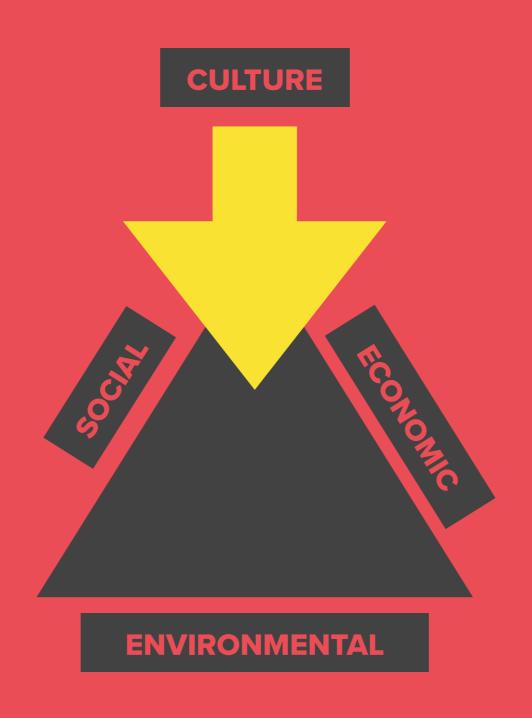


Adopting a sustainability perspective constitutes one way to formulate such criteria.

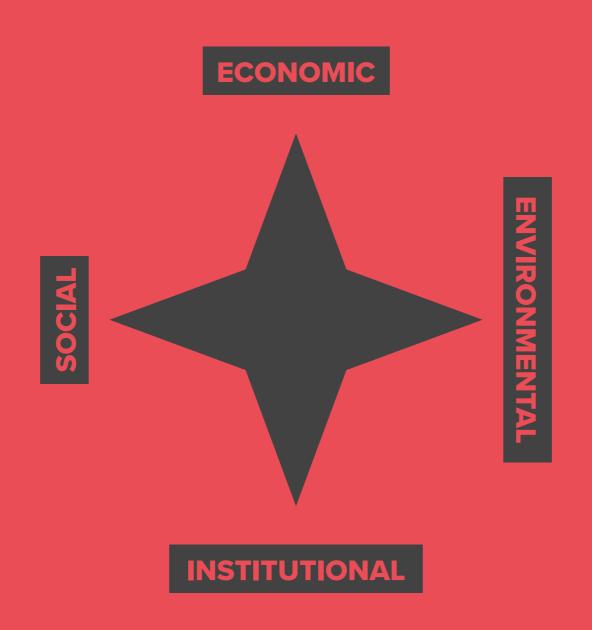




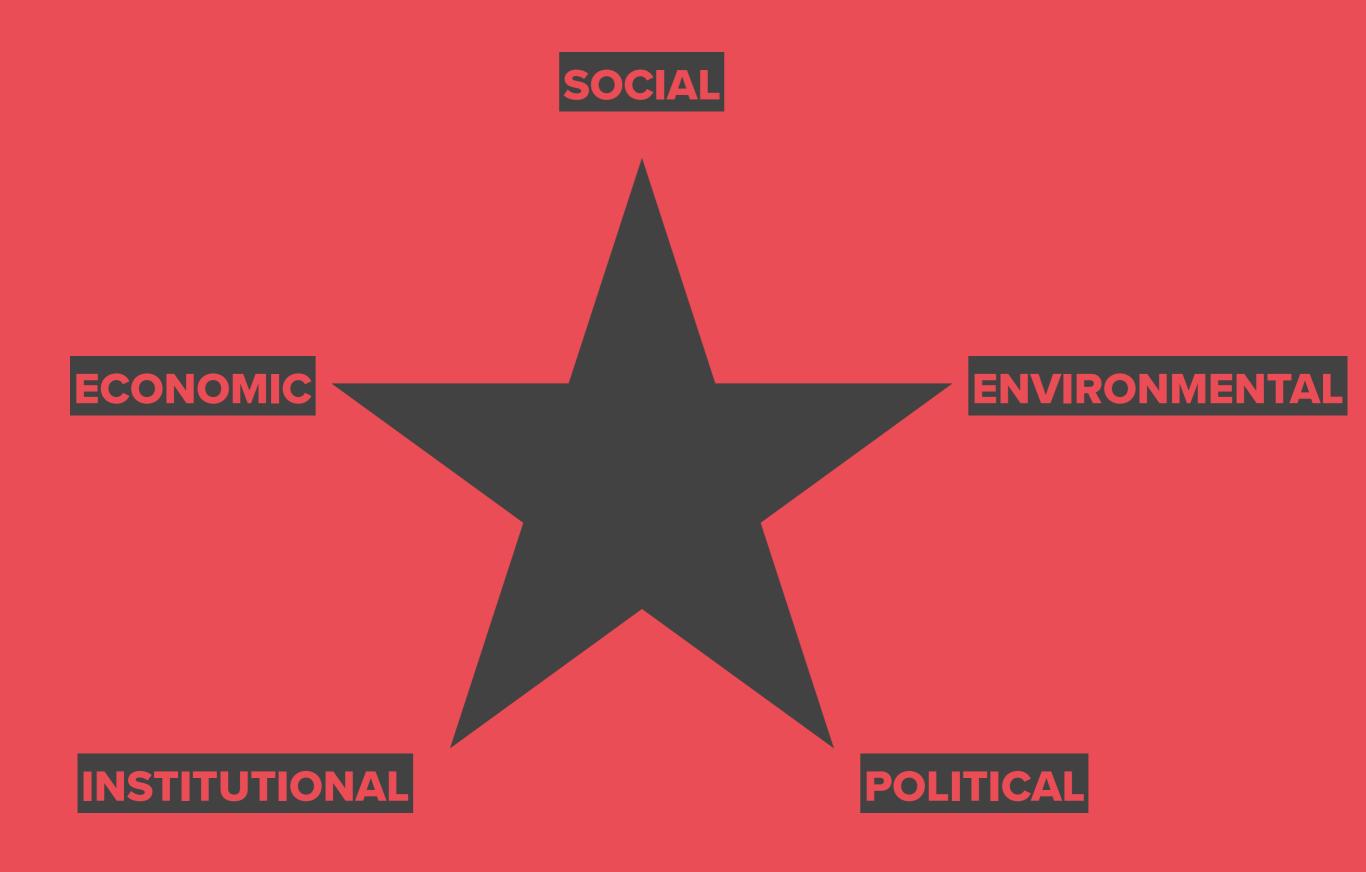
MISSIMER ET AL. (2010)

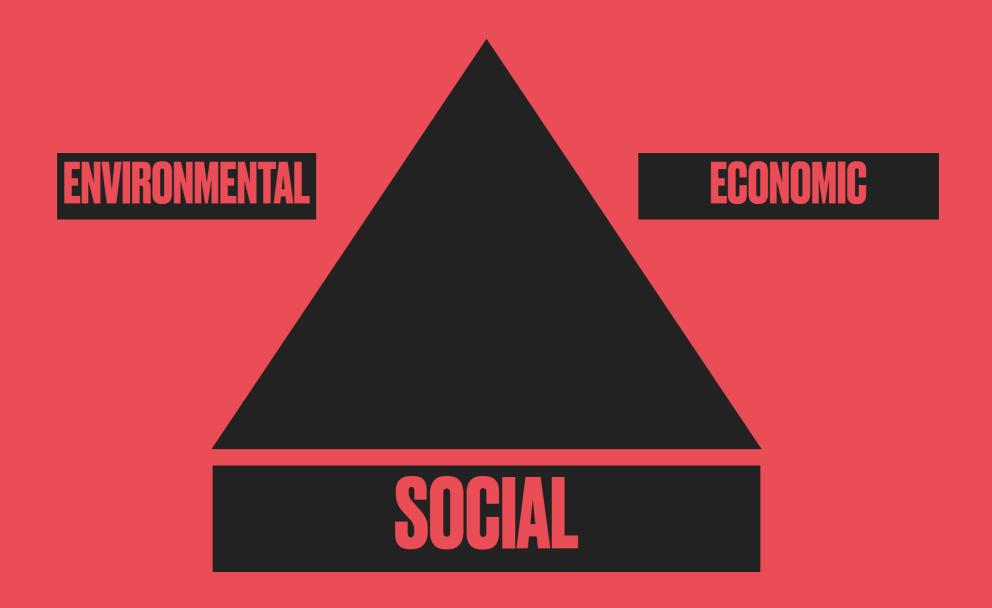


ÅHMAN (2013)



(COLANTONIO, 2008)





"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

"Long term sustainability can only exist when its three crucial dimensions occur simultaneously"

End of second part: 5'



Postulate:

Justice is the main element underscoring sustainability

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

"...even a narrow notion of physical sustainability implies a concern for social equity between generations, a concern that must logically be extended to equity within each generation".

Brundtland Report, 1987, p.43

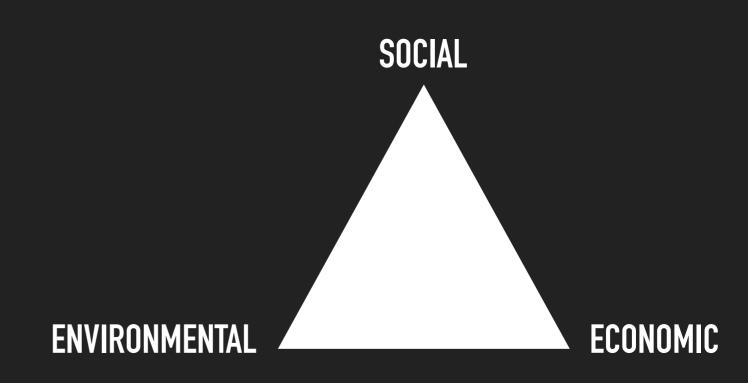


Intergenerational justice



Intragenerational justice

The integration of justice is the bedrock for real sustainability... and resilience?



Moral imperative Acceptability Support Compliance Suitability Rationality **Proportionality Predictability**

Spatial planning and design must engage with "two converging, yet distinct social movements: sustainability and social justice"

EVOLUTION OF SUSTAINABILITY IN THE EU

Brundtland Report: common definition

1987

Council's guiding principles for Lisbon sustainable Strategy

2005

2030 Agenda for Sustainable Development Goals

European Pillar of Social Rights

2015

Reinforced youth guarantee

Updated digital eductaion action plan

Digital European Programme

2020 Q2

Digital services
Act

Green paper on ageing

Initiative on Roma inclusion

European Unemployment Reinsurance Scheme

2020 Q4

1997

Treaty of Amsterdam 2001

2000

Gothenburg Council

EU Sustainable Development Strategty 2010

2020 Strategy 2020 Q1

The New

European

Deal

2019

Commission

takes office

European Green

1st stage consultation to social partners on minimum wage

SEIP-EU Green Deal Investment Plan

Just Transition Fund

European Gender Equality Strategy

Updated skills agenda for Europe

Industrial Strategy

SMEs strategy

Demography report

2020 Q3

Platform work summit

European Education Area 2025 2021

Action Plan to Implement the European Pillar of Social Rights

Child Guarantees

Action Plan for the Social Economy

Strategy for Disability

Long Term vision for Rural Areas

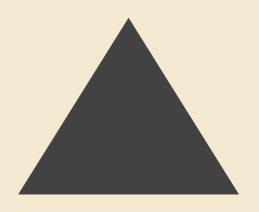
Increase in Erasmus+ budget

McGuinn et al. 2020

RIO DECLARATION 1992

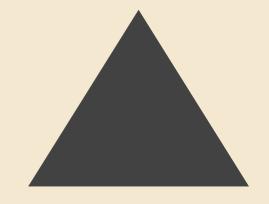
Equal importance to environmental, economic and social sustainability.

RIO DECLARATION ON ENVIRONMENT AND DEVELOPMENT



2030 AGENDA FOR SUSTAINABLE DEVELOPMENT (2015)

A pathway towards sustainable,
 equitable, and inclusive
 development.



European Pillar of Social Rights (2017) (EPSR)

Transforming the EU's economy for a sustainable future



Economy of Well-Being

Policy approach that seeks to put people's well-being at the centre of decision-making, with the goal of fostering EU economic growth, productivity, stability and sustainability in the process.

End of second part: 5'

The tragedy of the commons

Garett Hardin, 1968





Adam Smith's invisible hand

The unseen forces that move the free market economy. Through rational individual selfinterest, the best interest of society, as a whole, is fulfilled.

[Rational choice theory]

Adam Smith's invisible hand



"...HE INTENDS ONLY HIS OWN GAIN, AND HE IS IN THIS, AS IN MANY OTHER CASES, LED BY AN INVISIBLE HAND TO PROMOTE AN END WHICH WAS NO PART OF HIS INTENTION ...

...BY PURSUING HIS OWN INTERESTS, HE TREQUENTLY PROMOTES THAT OF THE SOCIETY MORE EFFECTUALLY THAN WHEN HE REALLY INTENDS TO PROMOTE IT."

An Inquiry into the Nature and Causes of the Wealth of Nations, 1776.







+1











+1













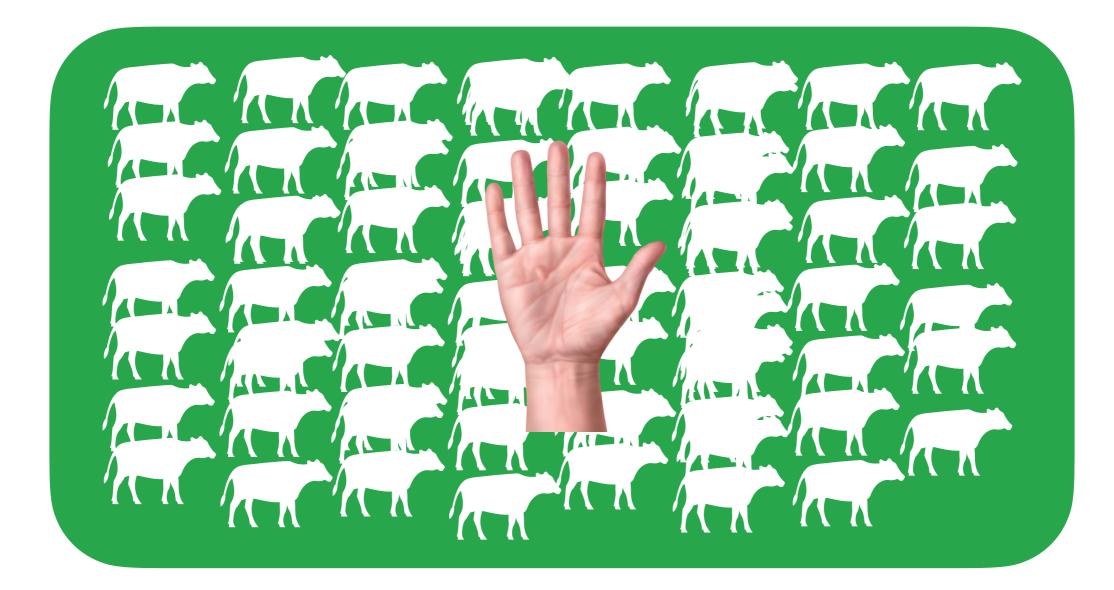












The bounds of resilience of the ecosystem have been exceeded and no resources will be available for future generations.





HATE MAP

RESOURCES V WHAT WE DO V OUR ISSUES V HATEWATCH

GARRETT HARDIN

Garrett Hardin was a prolific and controversial writer whose 1968 article "The Tragedy of the Commons" launched him onto the national stage as one of the intellectual leaders of the environmental movement.







About Garrett Hardin

Hardin used his status as a famous scientist and environmentalist to provide a veneer of intellectual and moral legitimacy for his underlying nativist agenda, serving on the board of directors of both the anti-immigrant Federation for American Immigration Reform and the white-nationalist Social Contract Press. He also co-founded the anti-immigrant Californians for Population Stabilization and The Environmental Fund,

EVEDERAIOT INFO

Screenshot marily served to lobby Congress for nativist and isolationist policies.

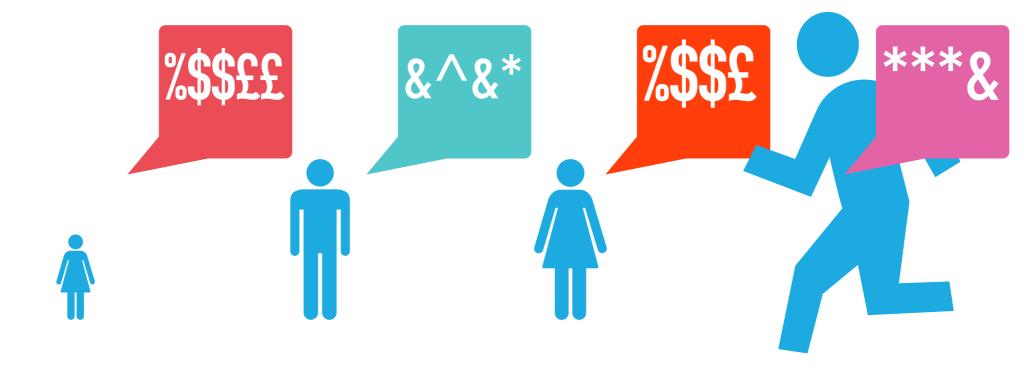
What are the justice issues in the management of the commons?

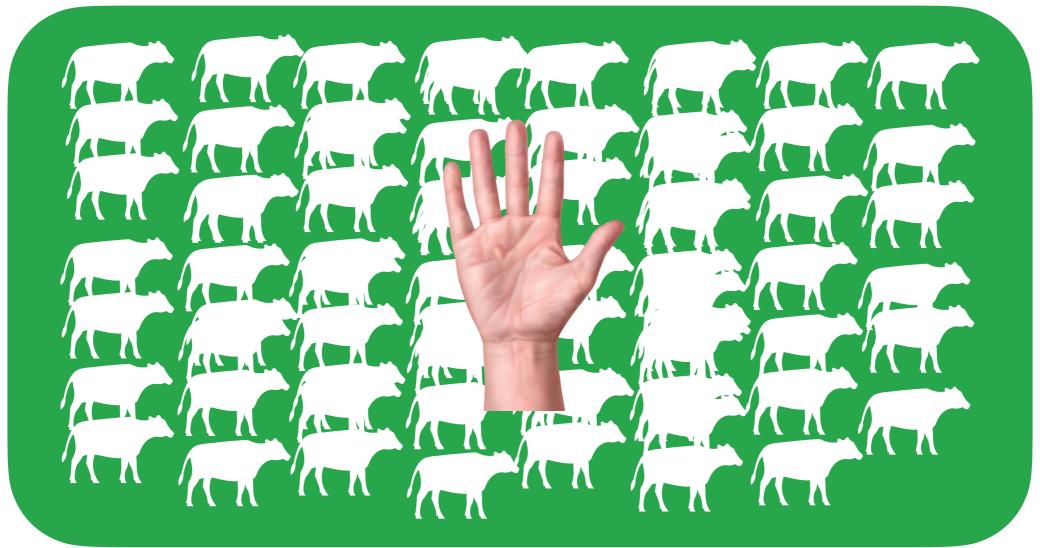
Distribution (of resources in space): Distributive justice

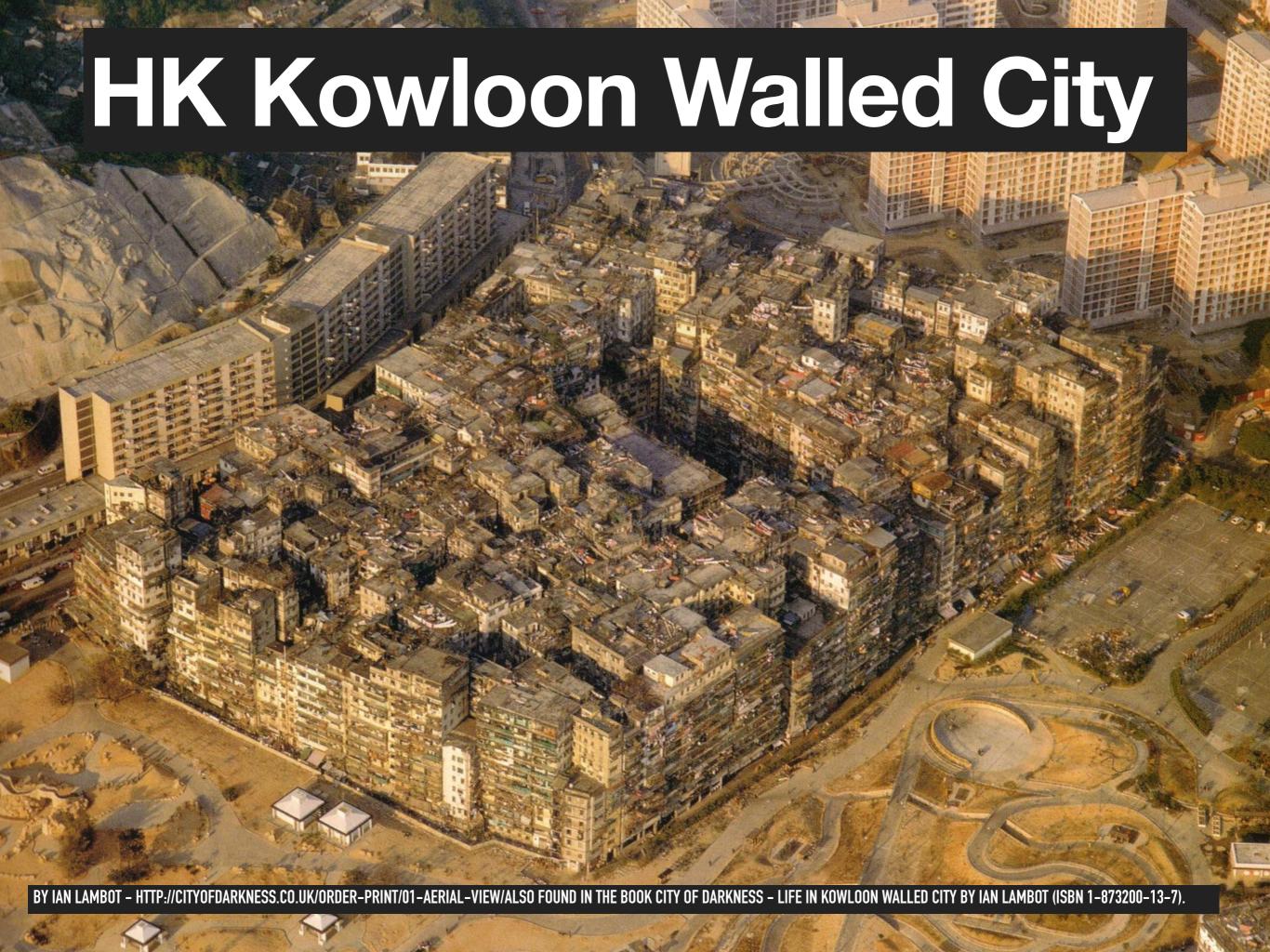
How (and by whom) it is decided:
Procedural justice

Questions about the distribution of advantages and burdens of economic transactions (negative externalities)

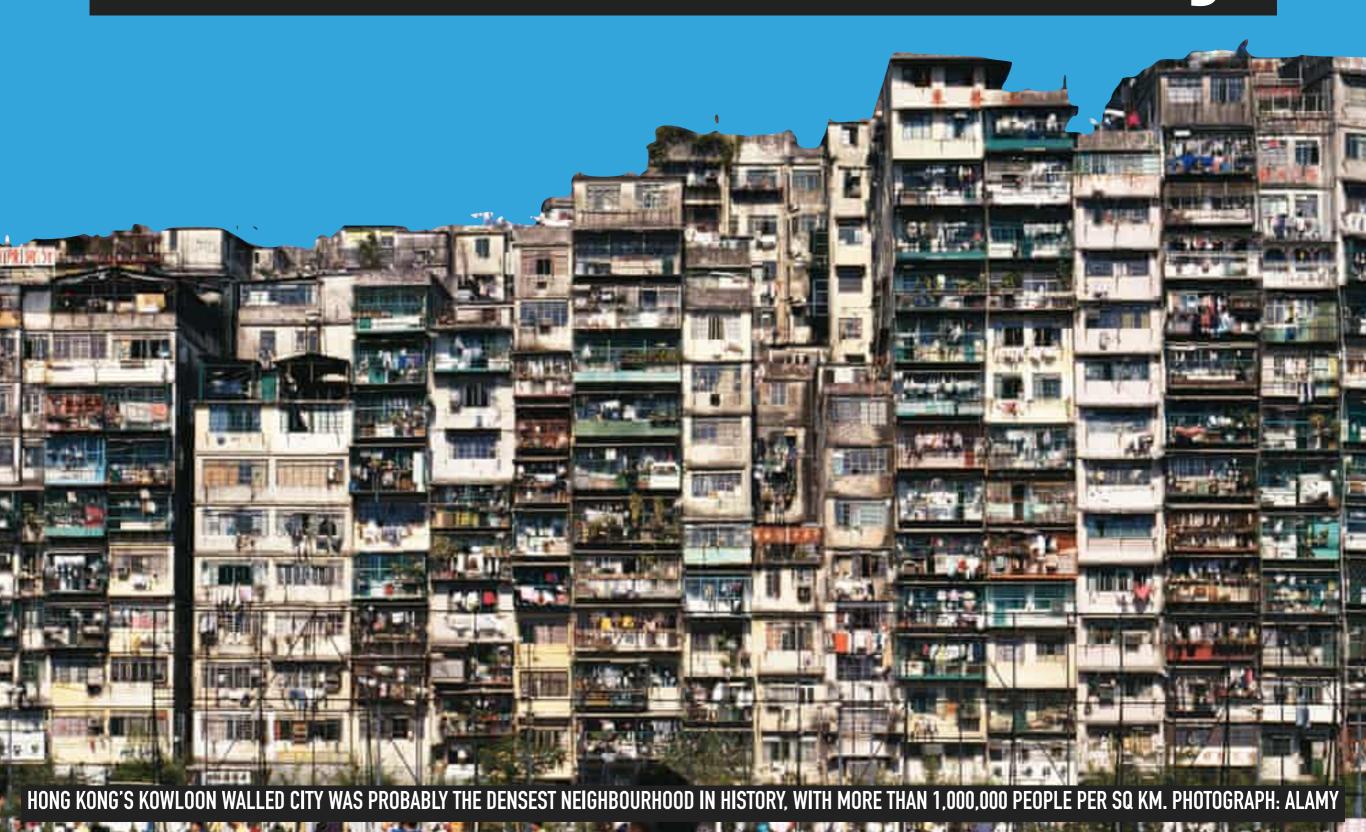
cost that is suffered by a third party as a consequence of an economic transaction







HK Kowloon Walled City









Amazon forest



But most cities do not collapse because of the mindless pursuit of self-interest

Why Not?





SUSAN FAINSTEIN

ELINOR OSTROM



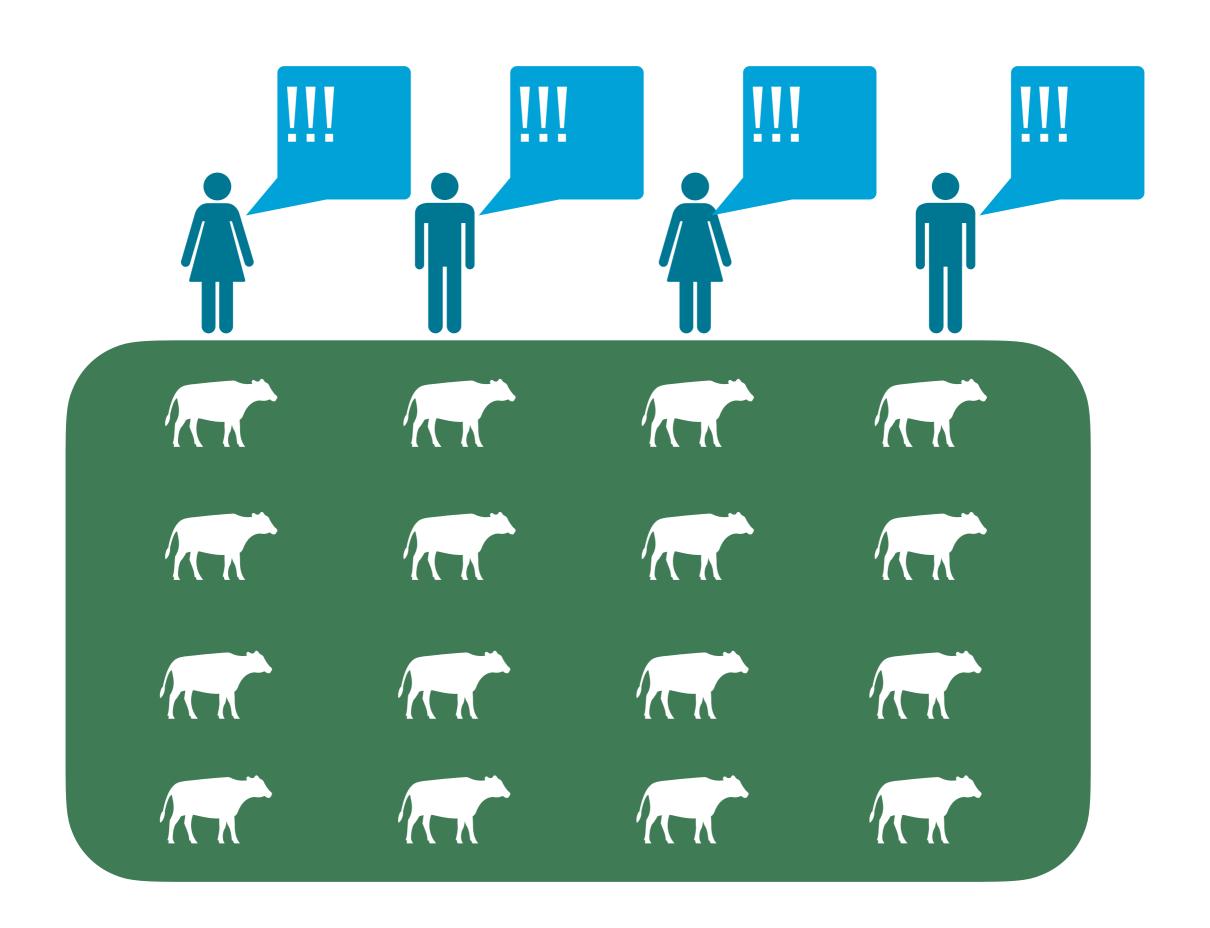
- Symmetric
 communication
- Subsidiarity
- Polycentricgovernance

WATCH ME SPEAK HERE: HTTPS://YOUTU.BE/N8CXGBSQHCA?T=330





- Democracy
- Diversity
- Equality



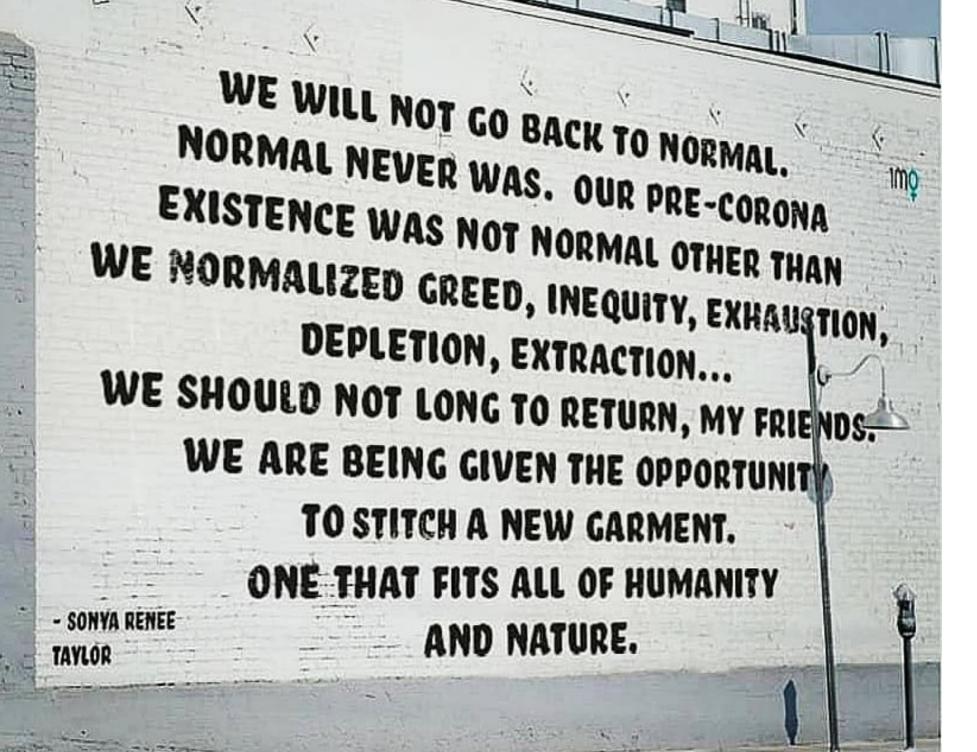
Spatial Justice



We will discuss spatial justice in the course

Thanks for listening

Questions? r.c.rocco@tudelft.nl





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