

Atmosphere Ownership

A different perspective on the problem

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Who owns the atmosphere of the earth?



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- Every human needs it to breath

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- Every human needs it to breath
- Every human owns an indefeasible and equal share of the atmosphere

Who owns the atmosphere of the earth?



- Every human needs it to breath
- Every human owns an indefeasible and equal share of the atmosphere
- I own 1 / 8 billionth of the atmosphere

My atmosphere ownership



- If somebody uses my property I can charge them for it

My atmosphere ownership



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- I can ask for compensation for emission of CO₂ in my part of the atmosphere

My atmosphere ownership



- If somebody uses my property I can charge them for it
- I can ask for compensation for emission of CO₂ in my part of the atmosphere
- How much can I charge for this?

Cost of CO₂ in my atmosphere

- Worldwide annual CO₂ emission of 38 billion tons
- I can ask for compensation of emission of 4.75 t CO₂
- Cost of removal of 4.75 t CO₂ from the atmosphere:
~4.5 k€

Direct Air Capture

4,560€

Remove 4,750 kg of CO₂ at a unit price of 0.96 EUR per kilogram.

100% cutting-edge DAC

Total

4,560€

climeworks.com

Alternative cost estimates

- 260 € for current CO₂ price in Germany of 55 €/t

Tabelle 2: Überblick über vorliegende Schätzungen zur CO₂-Preisentwicklung im ETS II

Preisniveau 2030 (Euro/tCO ₂)	Quelle	Ansatz
48 – 80	EU-Kommission (2021)	Weitere effektive Klimaschutzmaßnahmen werden angenommen
126	PIK (2023)	Reformszenario, bei dem neue Reformen („Fit For 55“-Paket) mit einbezogen werden
180	Cambridge Econometrics (2021)	E3ME Model, basierend auf 2015 Preisen
175 – 350	Abrell u.a. (2022)	CO ₂ -Preise sind die einzigen politischen Maßnahmen zum Klimaschutz
200 – 300	MCC (2023)	Annahme, dass flankierende Maßnahmen bei Gebäude und Verkehr ausbleiben
297	IfW Kiel (2023)	General equilibrium model DART

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How to get the money?

- Property is protected by constitutional law
- As it is the duty of my government to protect my rights
I ask the money from them

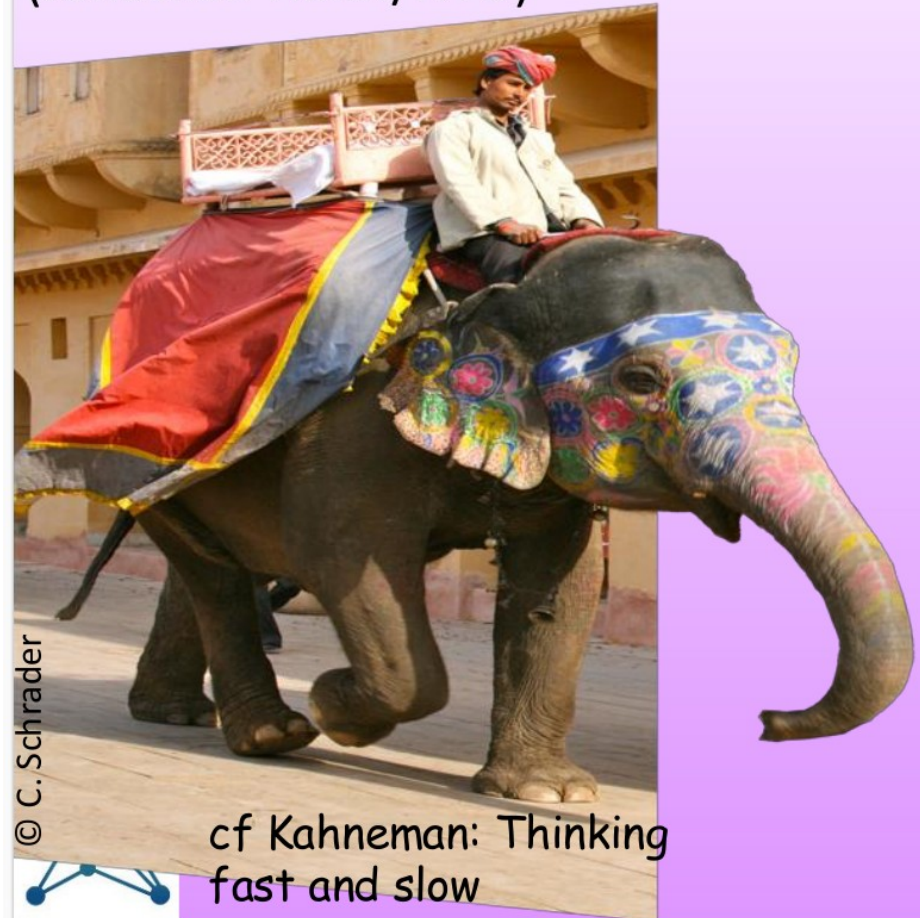


“Anspruch
auf
Klimageld”

Some Further Thoughts

- It turns things around:
 - ➔ instead of the government telling me what to do (or not do) to reduce my CO₂ footprint
 - ➔ I demand something from the government to protect my property

Elephant-Metaphor
(Jonathan Haidt/NYU)



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cf Kahneman: Thinking
fast and slow

SELF-DIRECTION

Freedom ●

Curious ●

Creativity ●

Independent ●

Choosing
own goals

Privacy ●

Self-respect ●

STIMULATION

Daring ●

Variation
in life

Excitement
in life

Enjoying life ●

Self-indulgent ●

Pleasure ●

Intelligent ●

HEDONISM

Capable ●

Successful ●

Influential ●

Ambitious ●

ACHIEVEMENT

Social
recognition

Wealth ●

Authority ●

Social power ●

POWER

Preserving my
public image

Broadminded ●

Equality ●

UNIVERSALISM

Unity with nature ●

Protecting the environment ●

Inner harmony ●

A world of beauty ●

Social justice ●

A world at peace ●

Wisdom ●

Mature love ●

A spiritual life ●

Helpful ●

Forgiving ●

True friendship ●

Meaning in life ●

Honest ●

BENEVOLENCE

Responsible ●

Loyal ●

CONFORMITY

Self-discipline ●

Politeness ●

Honouring
of elders

Humble ●

Detachment ●

Healthy ●

Family security ●

Social order ●

Respect
for tradition

Devout ●

Clean ●

Reciprocation
of favours

Obedient ●

Sense of
belonging

National
security

TRADITION

Moderate ●

Accepting my
portion in life

SECURITY

Some Further Thoughts

- It's a political argument,
I have not investigated this from a legal point of view
- Incentive for population growth?
- Difficult to monitor and charge for emissions,
but development is going in that direction
- Difficult to implement at international level
- Transfer of money from high to low emitters