Nature and Society: Fill the concepts with Life!

Andreas Muhar University of Natural Resources and Life Sciences Vienna CIPRA Annual Conference 2021, Biella, IT



Do you feel an emotional/ maybe spiritual bond to this kind of landscape?

How would you rate this bond on a ten-point scale? 1 = very low emotional bond; 10 = very strong emotional bond

How much would you be willing to pay for securing a long term preservation of this landscape?

⊠ 10 € **⊠** 50 € **⊠** 100 € **⊠** 500 €

Study on the willingness to pay for the conservation of seals in the Bay of Gdansk, Poland:

33% of interviewees refused to answer

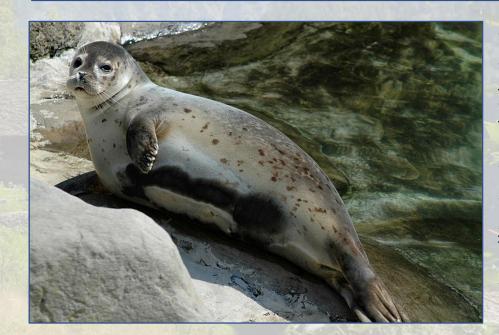


Biological Conservation Volume 145, Issue 1, January 2012, Pages 148-159



Different cultures, different values: The role of cultural variation in public's WTP for marine species conservation

Adriana Ressurreição ^a 은 쩓, James Gibbons ^b 쯔, Michel Kaiser ^c 쯔, Tomaz Ponce Dentinho ^d 쯔, Tomasz Zarzycki ^e 쯔, Charlotte Bentley ^c 쯔, Melanie Austen ^f 쯔, Daryl Burdon ^g 쯔, Jonathan Atkins ^h 쯔, Ricardo S. Santos ^a 쯔, Gareth Edwards-Jones ^b 쯔



By assigning an exchange value to an object we actually devalue it.

THE HUMAN CONDITION

HANNAH

ARENDT

SECOND EDITIO

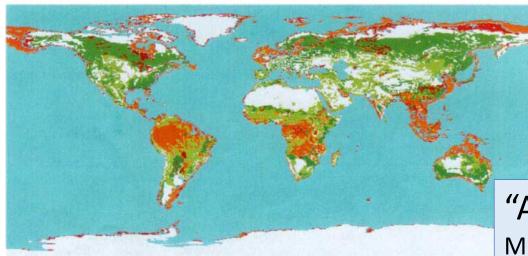
with a new foreword by
DANIELLE ALLEN

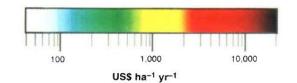
introduction by MARGARET CANOVAN

stadtmuseum.de/obj<mark>ekt/</mark>hannah-arendt-auf-dem-1 kulturkritikerkongress-10218949.html muenchner-Radlo nttps://samml Barbar

Hannah Arendt 1906 - 1977

Robert Costanza et al. (1997): Value of the worlds ecosystems: 33 trillion USD (global GDP: 18 trillion USD)





Costanza, R. et al. (1997): The value of the world's ecosystem services and natural capital. Nature 387, 253-260



"A serious underestimate of infinity" Michael Toman (1998): Why not to calculate the value of the world's ecosystem services and natural capital. Ecological Economics 25(1), 57–60

Nature and Society: A plethora of "new" concepts



Green Infrastructure Natural Blue Infrastructure Bioeconomy **Ecosystem Services** Ecosystem Schned Nature-based Solutions **Green Economy Biomimicry** Nature-based Infrastructure

Ecosystem-based Adaptation

Nature and Society: A plethora of "new" concepts

- Are these concepts really new?
- What are they good for?
- What can they not achieve?
- Are they useful to motivate people to engage for conservation/sustainability?

Biomimicry

Nature-based Infrastructure

Ecosystem-based Adaptation

The idea of a "Bridging Concept"

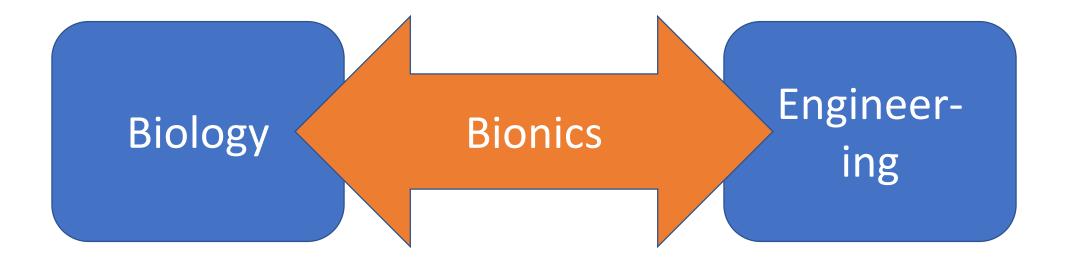
- Linking different domains
- Create mutual understanding
- Making linkages explicit
- Providing <u>rational</u> arguments in sometimes emotional conflict situations





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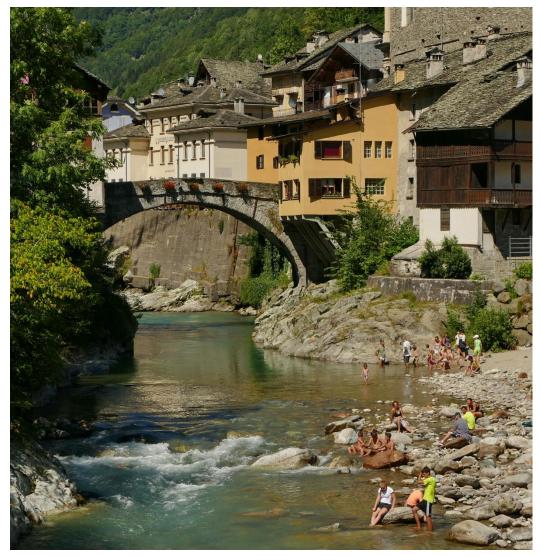
- Linking different domains
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Benefits of the Ecosystem Services concept

- Communication of the multivarious dependency of human society on natural processes
- Using the language and mindset of economists and the business world provides can open new communication channels



Benefits of the Ecosystem Services concept

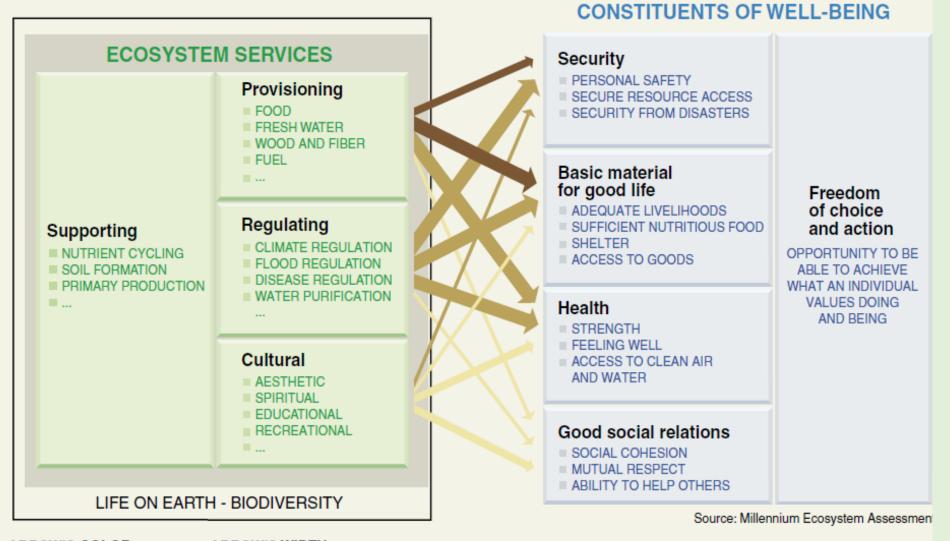
• Mainstreaming of humannature relationship thinking



Limitations of the Ecosystem Services concept

- Tendency to only look at what can be measured
 - Focus on provisional and regulating services
 - Cultural services often neglected







High

ARROW'S WIDTH

Intensity of linkages between ecosystem services and human well-being



Medium

Strong

Weak

Limitations of the Ecosystem Services concept

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 - Cultural services often neglected
- Who is the "service" provider?
 - The ecosystem?
 - The owner of the ecosystem?
 - Nature does not hold a bank account...



Limitations of the Ecosystem Services concept

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 - Focus on provisional and regulating services
 - Cultural services often neglected
- Who is the "service" provider?
 - The ecosystem?
 - The owner of the ecosystem?
 - Nature does not hold a bank account...
- What about the negative impacts of nature on society?
 - Nature is not always benevolent...
 - "Disservices" only occasionally considered
 - Payments for Ecosystem Services
 -> Fines for Ecosystem Disservices ?



Key question for CIPRA campaigns...

- Can concepts such as Ecosystem Services help motivating people to engage for conservation, sustainability etc.?
- If you frame a process with the Ecosystem Services concept, which stakeholder groups will be attracted or deterred ?



Why do people engage in nature conservation?

Results from the BIOMOT-Project (**IT, SL, DE**, NL, BE, FI):

Environmental Conservation (2017) 44 (2): 148-157 © Foundation for Environmental Conservation 2017

doi:10.1017/S037689291700008X

Motivations for committed nature conservation action in Europe

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Why do people engage in nature conservation?

"The current tendency of focusing on the economic valuation of biodiversity **fails to address the motivations** of successful actors."

Main reasons to engage for nonbiodiversity specialists:

- Beauty
- Place attachment
- Concern for future generations
- Value of nature in itself



"If you want leaders to truly listen, use the power of storytelling"

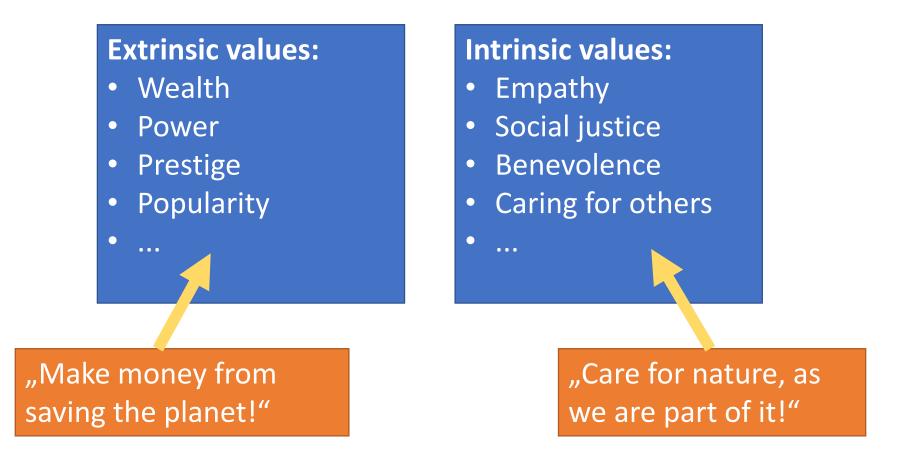
Jane Goodall at the WEF Davos 2019:

- "It's no good when you meet somebody like that, who's dedicated to their path — which may be a destructive path — it's no good trying to get to the brain, because their brain is wired for success, for financial success."
- "What you have to do is to get into the heart.
 And how do you get into the heart? With stories."



Jane Goodall

Addressing extrinsic values or activating intrinsic values in communication?



https://assets.wwf.org.uk/downloads/common_cause_report.pdf

Addressing extrinsic values or activating intrinsic values in communication?

Extrinsic values:

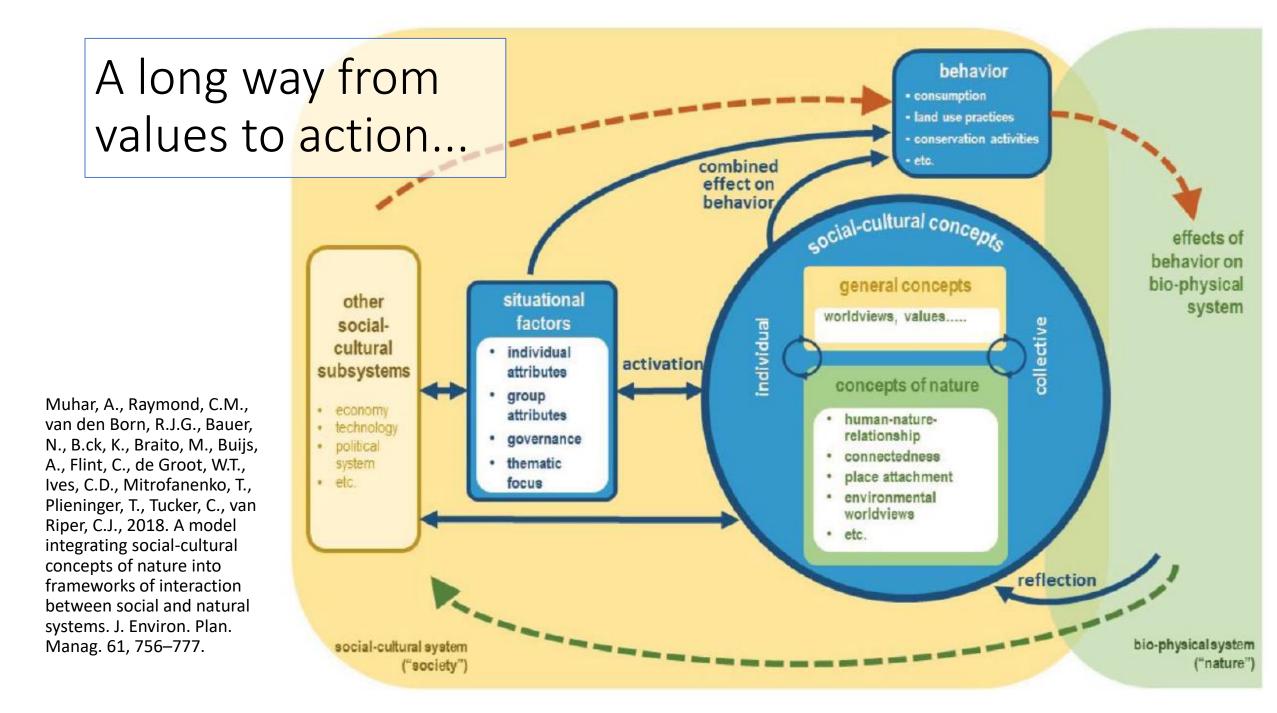
Intrinsic values:

Results from experimental behavioural economics: Even persons with clear focus on extrinsic values can better be motivated for sustainability action by addressing their intrinsic values.

"Make money from saving the planet!"

"Care for nature, as we are part of it!"

https://assets.wwf.org.uk/downloads/common_cause_report.pdf



Current narratives used for biodiversity conservation

- Eco-centric: nature has an inalienable right to exist and should be conserved for its own sake
- Faith, spirituality and ethics: there is a spiritual imperative to conserve nature
- Anthropocentric: nature underpins human society and economy and therefore must be conserved
- **Economics**: conservation needs to work with the economic powers that exist
- **Crisis**: humans are destroying the planet and ourselves
- Big data, the Fourth Industrial Revolution and ecomodernization: technology will save humanity and the planet
- Anthropocene: there is no nature besides the one humanity makes

Louder E, Wyborn C (2020): Biodiversity narratives: stories of the evolving conservation landscape. Environmental Conservation 47: 251–259



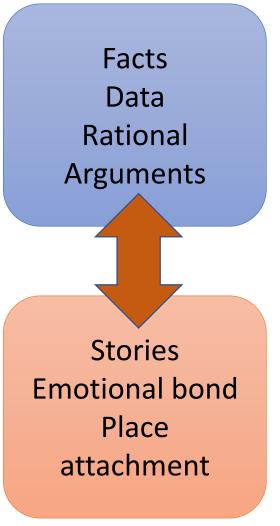
Do we need new narratives for the Alps?

- Alps well-represented in the mental maps of people
- Alpine mythology still in people's minds
- Most narratives are rather oriented towards the past
- ➢Our task: Develop new narratives that build upon the existing foundation and also address current sustainability issues.



Summary

- Concepts for the Nature-Society Relationship such as "Ecosystem Services" can provide useful rational arguments for
 - Planning processes
 - Sustainability strategies
- Motivation to engage for nature conservation and sustainability is mostly driven by emotional processes, activated by narratives and personal experience rather than facts.
- The work of CIPRA needs to fill these concepts with life to address **both the brains and heart**s of people.



Thank you,!

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