

TIK4011 S26 Science and Technology in Politics and Society

Course Code: UE_185_TIK4011_1_2026_VÅR_1 **Course Name:** TIK4011 V26 Science and technology in politics and society **Course Year:** 2026

48 items in 5 sections

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Introduction to the course

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[The Politics of Interventions. A History of STS](#)

Author: Kristin Asdal, Brito Brenna, Ingunn Moser **Additional Person Name:** Moser, Ingunn; Brenna, Brita; Asdal, Kristin **Type:** Book Chapter **Chapter Author:** Asdal, Kristin, Brita Brenna and Ingunn Moser **Book Title:** Technoscience : the politics of interventions **Book Author:** Kristin Asdal, Brito Brenna, Ingunn Moser **ISBN:** 9788274773004 **OCLC Number:** 071295283-47bibsys_network; (NO-TrBIB)071295283 **Publisher:** Unipub **Place of Publication:** [Oslo] **Publication Date:** 2007 **Total Pages:** 351 s. **Pages:** 7-53 **Editor:** Moser, Ingunn; Brenna, Brita; Asdal, Kristin **Tags:** Compendium **Available At:** UiO HumSam-biblioteket Pensum 303.483 Tec; UiO Informatikkbiblioteket UREAL/INF Boksamling 303.483 Tec

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[On sociology and STS](#)

[The Sociological review \(Keele\)](#)

Author: Law, John **Type:** Article **ISSN:** 00380261 **Publisher:** Blackwell Publishing Ltd **Place of Publication:** Oxford, UK **Publication Date:** 2008-11 **Total Pages:** 623-649 **Pages:** 623-649 **Volume:** 56 **Issue:** 4 **DOI:** 10.1111/j.1467-954X.2008.00808.x **Notes:** This paper starts by exploring the development of Science, Technology and Society (STS) in the UK in the late 1960s, emphasising its interdisciplinary roots, and comparing and contrasting it with the concerns of Sociology. It then turns to more recent developments in STS, outlining the importance of material semiotics to important traditions within the discipline including those influenced by actor network theory, feminism, and postcolonialism. It notes, in

consistency with the Foucauldian approach, that material semiotics implies that knowledge traditions are performative, helping to create the realities that they describe. The paper concludes by exploring the implications of this performativity for the politics of research methods and for the future character of social science research.

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Theme 1: Knowing and governing nature

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Changing climate change: The carbon budget and the modifying-work of the IPCC

Social studies of science

Author: Lahn, Bård **Type:** Article **ISSN:** 03063127 **Publication Date:** 2020-07-16 **Total Pages:**

30631272094193- **Pages:** 3-27 **DOI:** 10.1177/0306312720941933 **Notes:** Article

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Making things the same: Gases, emission rights and the politics of carbon markets

Accounting, organizations and society

Author: MacKenzie, Donald **Type:** Article **ISSN:** 03613682 **Publisher:** Elsevier BV **Publication Date:**

2009-04 **Total Pages:** 440-455 **Pages:** 440-455 **Volume:** 34 **Issue:** 3-4 **DOI:** 10.1016/j.aos.2008.02.004

Notes: 0361-3682

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Formalization and separation: A systematic basis for interpreting approaches to

summarizing science for climate policy

Social studies of science

Author: Sundqvist, Göran ; Bohlin, Ingemar ; Hermansen, Erlend AT ; Yearley, Steven **Type:** Article **ISSN:**

14603659 **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:**

2015-05-25 **Total Pages:** 416-440 **Pages:** 416-440 **Volume:** 45 **Issue:** 3 **DOI:** 10.1177/0306312715583737

Notes: 10.1023/a:1025557512320

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[The making of global environmental science and politics](#)

Author: Silke Beck, Tim Forsyth, Pia M. Kohler, Myanna Lahsen, and Martin Mahony **Type:** Book

Chapter Author: Beck, Silke, Tim Forsyth, Pia M. Kohler, Myanna Lahsen, and Martin Mahony

Book Title: The Handbook of science and technology studies **Book Author:** Silke Beck, Tim Forsyth, Pia M. Kohler, Myanna Lahsen, and Martin Mahony **ISBN:** 9780262035682 ; 9780262345996 **LCCN:**

2016023009 **Publisher:** The MIT Press **Place of Publication:** Cambridge, Massachusetts **Publication Date:** [2017] **Total Pages:** XXI, 1190 sider **Pages:** 1081-1109 **Editor:** Ulrike Felt, Rayvon Fouché, Clark A. Miller, and Laurel Smith-Doerr **Edition:** Fourth edition **Available At:** UiO HumSam-biblioteket Pensum 303.483 Han

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[Thinking Globally](#)

Author: Edwards, Paul N. **Type:** Book Chapter **Chapter Author:** Edwards, Paul N. **Book Title:** A vast machine : computer models, climate data, and the politics of global warming **Book Author:** Edwards, Paul N. **Chapter Number:** 1 **ISBN:** 9780262013925; 9780262518635 **OCLC Number:**

101226152-47bibs_network; (NO-TrBIB)101226152 **Publisher:** MIT Press **Place of Publication:**

Cambridge, Mass. **Publication Date:** cop. 2010 **Total Pages:** XXVII, 518 s. **Pages:** 1-25 **Tags:** Compendium

Notes: Innhold: Thinking globally -- Global space, universal time : seeing the planetary atmosphere -- Standards and networks : international meteorology and the Réseau Mondial -- Climatology and climate change before World War II -- Friction -- Numerical weather prediction -- The infinite forecast -- Making global data -- The first WWW -- Making data global -- Data wars -- Reanalysis : the do-over -- Parametrics and the limits of knowledge -- Simulation models and atmospheric politics, 1960-1992 -- Signal and noise : consensus, controversy, and climate change. **Student note:** Chapter 1, p. 1-25

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Enacting things through numbers: Taking nature into account/ing

Geoforum

Author: Asdal, Kristin **Type:** Article **ISSN:** 00167185 **Publisher:** Elsevier Ltd **Place of Publication:** OXFORD

Publication Date: 2008 **Total Pages:** 123-132 **Pages:** 123-132 **Volume:** 39 **Issue:** 1 **DOI:**

10.1016/j.geoforum.2006.11.004 **Notes:** In this article I make use of a combination of

actor-network-theory, governmentality studies and feminist studies of science to show how nature is done or enacted within politics and administration. In particular I show how it relates to the theories and practices of economics and accounting. I explore the process by which the 'critical limits' of nature under the impact of acidification was created as a part of the politics and negotiations about acid rain. I demonstrate that even though the outcome was not 'Nature' as such, understood as a form of moral high-ground, the effect of this process was to produce 'a nature as a whole', in a process of unification. This I argue can only be understood relationally: 'Nature' is taken into account by way of accounting. In doing this I engage with Latour's work on the politics of Nature and argue that nature is not necessarily such a deadly tool to politics as is sometimes taken for granted. Before we throw Nature out with our empirical studies of sciences, natures and politics, in the plural, we need to look first at how Nature-wholes emerge, are enacted, and take part in politics.

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Science as a "fixed point"? Quantification and boundary objects in international climate politics

Environmental science & policy

Author: Lahn, Bård ; Sundqvist, Göran **Type:** Article **ISSN:** 14629011 **Publisher:** Elsevier Ltd **Place of**

Publication: OXFORD **Publication Date:** 2017-01 **Total Pages:** 8-15 **Pages:** 8-15 **Volume:** 67 **DOI:**

10.1016/j.envsci.2016.11.001 **Notes:** •Common understandings of climate change see science and

policy as clearly separable. •This carries a risk of 'flip-flop movements' if scientific purity is

challenged. •The IPCC 'Bali Box' of emission reduction targets is analysed as a case of this. •Climate

targets are better understood as simultaneously political and scientific. Our understanding of climate

change is dominated by quantified scientific knowledge, with science and politics usually seen as

operating separately and autonomously from one another. By investigating a particular fact box in the

IPCC's Fourth Assessment Report (AR4), this paper challenges the assumption that science and policy can be clearly delineated. The so-called "Bali Box" gained a prominent role in negotiations leading up to the Copenhagen Conference in 2009, as it was widely seen as providing a "fixed point" – a quantified scientific answer to the question of equitable effort-sharing between North and South. This understanding of the Bali Box triggered a backlash, however, when the hybrid character of the box as an assemblage of science, political considerations and moral judgements became evident to actors in the negotiations. The paper employs the notion of boundary objects to analyse the history of the Bali Box, and argues that climate politics will benefit from a richer understanding of the interplay between science and policy. Moving beyond characterizations that place the Bali Box on either side of a clear boundary between the scientific and the political, we suggest focusing instead on what the Box as a hybrid product is doing, i.e. how it simplifies and quantifies, what it covers and what it leaves outside.

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41% and the Problem of Proportion

Author: Knox, Hannah **Type:** Book Chapter **Chapter Author:** Knox, Hannah **Book Title:** Thinking Like a Climate: Governing a City in Times of Environmental Change **Book Author:** Knox, Hannah **ISBN:** 1478009810 **OCLC Number:** OCN: 1308952708 **Publisher:** Duke University Press **Place of Publication:** Durham **Publication Date:** 2020 **Total Pages:** 40-62 **Pages:** 40-62 **Edition:** 1 **DOI:** 10.1515/9781478012405 **Notes:** In Thinking Like a Climate Hannah Knox confronts the challenges that climate change poses to knowledge production and modern politics. Drawing on ethnographic fieldwork among policy makers, politicians, activists, scholars, and the public in Manchester, England—birthplace of the Industrial Revolution—Knox explores the city's strategies for understanding and responding to deteriorating environmental conditions. Climate science, Knox argues, frames climate change as a very particular kind of social problem that confronts the limits of administrative and bureaucratic techniques of knowing people, places, and things. Exceeding these limits requires forging new modes of relating to climate in ways that reimagine the social in climatological terms. Knox contends that the day-to-day work of crafting and implementing climate policy and translating climate knowledge into the work of governance demonstrates that local responses to climate change can be scaled up to effect change on a global scale.

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An Essay on Framing and Overflowing: Economic Externalities Revisited by

Sociology

The Sociological review (Keele)

Author: Callon, Michel **Type:** Article **ISSN:** 00380261 **Publisher:** SAGE Publications **Place of Publication:**

London, England **Publication Date:** 1998-05 **Total Pages:** 244-269 **Pages:** 244-269 **Volume:** 46 **Issue:**

1_suppl **DOI:** 10.1111/j.1467-954X.1998.tb03477.x

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Can democracy save children's lives? Addressing the constitutional problem of

expertise

Social studies of science

Author: Laurent, Brice **Type:** Article **ISSN:** 03063127 **Publisher:** SAGE Publications **Place of Publication:**

London, England **Publication Date:** 2025-04-01 **Total Pages:** 288-294 **Pages:** 288-294 **Volume:** 55 **Issue:** 2

DOI: 10.1177/03063127241310461 **Notes:** This comment critically examines Collins, Evans, and Reyes-Galindo's (CE&RG) concept of 'virtual diversity', proposed as a norm to safeguard scientific expertise in policy-making. CE&RG argue that scientists should acquire 'interactional expertise' in relevant 'non-scientific domains', enabling informed policy advice while preserving scientific integrity. This comment describes CE&RG's dualist approach, which separates epistemic and political concerns, and discusses its implications. It shows that for virtual diversity to contribute to the quality of and trust in expertise, this approach needs to be radically re-worked to include legitimacy-building processes. Using examples such as South Africa's AIDS policy and the COVID-19 pandemic, the comment argues that defending expertise requires ensuring the robustness of both scientific and political representations, of, in other terms, addressing expertise as a constitutional problem. Without a broader critical constitutional analysis, CE&RG's proposal risks reinforcing the crisis of expertise it seeks to remedy.

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Theme 2: Economies and values in practice

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Financialisation of Valuation

Human studies

Author: Chiapello, Eve **Type:** Article **ISSN:** 1572851X **Publisher:** Springer Science and Business Media LLC **Place of Publication:** Dordrecht **Publication Date:** 2014-12-09 **Total Pages:** 13-35 **Pages:** 13-35 **Volume:** 38 **Issue:** 1 **DOI:** 10.1007/s10746-014-9337-x **Notes:** 10.1177/053901884023001001

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Theory of valuation, ch. 1: Its problems

Author: Dewey, John **Additional Person Name:** Neurath, Otto; Carnap, Rudolf; Morris, Charles W. **Type:** Book Chapter **Book Title:** Theory of valuation **Book Author:** Dewey, John **Chapter Number:** 1 **OCLC Number:** 941953416-47bibs_network; (NO-TrBIB)941953416 **Publisher:** University of Chicago Press **Place of Publication:** Chicago **Publication Date:** 1939 **Total Pages:** III, 67 **Pages:** 1-6 **Volume:** No. 4 **Tags:** Compendium **Available At:** UiO HumSam-biblioteket Pensum 191 Dew

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A Flank Movement in the Understanding of Valuation

The Sociological review (Keele)

Author: Muniesa, Fabian **Type:** Article **ISSN:** 1467954X **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2011-12 **Total Pages:** 24-38 **Pages:** 24-38 **Volume:** 59 **Issue:** 2_suppl **DOI:** 10.1111/j.1467-954X.2012.02056.x **Notes:** 10.2307/1882755

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An Introduction to Market Devices

The Sociological review (Keele)

Author: Muniesa, Fabian ; Millo, Yuval ; Callon, Michel **Type:** Article **ISSN:** 1467954X **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2017-01-25 **Total Pages:** 1-12 **Pages:** 1-12 **Volume:** 55 **Issue:** 2_suppl **DOI:** 10.1111/j.1467-954X.2007.00727.x **Notes:** 10.4337/9781781952863

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Chapter II: The Spirit of capitalism

Author: Weber, Max, **Additional Person Name:** Stephen Kalberg **Type:** Book Chapter **Chapter Author:** Weber, Max **Book Title:** The Protestant ethic and the spirit of capitalism **Book Author:** Weber, Max, **ISBN:** 1135974055 **OCLC Number:** (VaAIASP)S010023904; (VaAIASP)S10023904; (CKB)4940000000468263; (OCoLC)671468706; (VaAIASP)ASPS010023904/sth2; (VaAIASP)4714499 **Publisher:** Scribner **Place of Publication:** New York : **Publication Date:** [1958] **Total Pages:** 1 online resource (xvii, 292 pages) **Pages:** 55-86 **Edition:** [Student's ed.]. **Tags:** Compendium **Notes:** Innhold: pt. 1. The problem -- pt. 2. The vocational ethic of ascetic Protestantism.

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The fly and the cookie: Alignment and unhingement in 21st-century capitalism

Socio-economic review

Author: Fourcade, Marion **Type:** Article **ISSN:** 14751461 **Publisher:** Oxford Univ Press **Place of Publication:** OXFORD **Publication Date:** 2017-07-01 **Total Pages:** 661-678 **Pages:** 661-678 **Volume:** 15 **Issue:** 3 **DOI:** 10.1093/ser/mwx032 **Notes:** This SASE Presidential address given at UC Berkeley in 2016 discusses the entanglement between morality and capitalism. Moral sentiments-and especially what Adam Smith called the sense of propriety, the sense of merit and the sense of justice-play a productive role in organizing the extraction of economic value. Conversely, relative valuations in the economy (prices, for instance) can be thought of as moral engines that reward or sanction certain behaviors, and are presumed to index underlying moral differences. Economic value is produced both when individuals are morally aligned with the rational goals of capitalism, and when they perform unhinged deviations from the moral standard. I show how modern digital capitalism organizes profit extraction through these twin processes of alignment and unhingement, building new economic moralities in the process-moral sentiments that are the result of people's interactions with opaque but powerful forms of behavioral fine-tuning, surveillance and manipulation.

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Cents and Sensibility: Economic Valuation and the Nature of "Nature"

The American journal of sociology

Author: Fourcade, Marion **Type:** Article **ISSN:** 15375390 **Publisher:** University of Chicago Press **Publication Date:** 2011-05 **Total Pages:** 1721-77 **Pages:** 1721-1777 **Volume:** 116 **Issue:** 6 **DOI:** 10.1086/659640 **Notes:** 1537-5390

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'The good economy': a conceptual and empirical move for investigating how economies and versions of the good are entangled

BioSocieties

Author: Asdal, Kristin ; Cointe, Béatrice ; Hobæk, Bård ; Reinertsen, Hilde ; Huse, Tone ; Morsman, Silje R ; Måløy, Tommas **Type:** Article **ISSN:** 17458552 **Publisher:** Palgrave Macmillan **Publication Date:** 2021 **DOI:** 10.1057/s41292-021-00245-5

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Building markets for clean technologies: Controversies, environmental concerns and economic worth

Industrial marketing management

Author: Doganova, Liliana ; Karnøe, Peter **Type:** Article **ISSN:** 00198501 **Publisher:** Elsevier Inc **Place of Publication:** NEW YORK **Publication Date:** 2015-01 **Total Pages:** 22-31 **Pages:** 22-31 **Volume:** 44 **Issue:** 44 **DOI:** 10.1016/j.indmarman.2014.10.004 **Notes:** In this paper, we investigate the construction of markets for clean technologies by examining the mechanisms through which new technologies succeed (or fail) to be transformed into goods that are both environmentally and economically valuable. We envisage this process as a particular form of market innovation in which new product qualities are inscribed into market architectures. We focus on the market for clean technologies that emerged as a result of the EU Integrated Pollution Prevention and Control (IPPC) directive that required polluting industries, including livestock farms, to implement the best available techniques in order to reduce their emissions. Our case study traces a Danish start-up firm's endeavors to commercialize one such best available technique: a solution for reducing ammonia emissions from farms. Building on the literature on the shaping of markets, we show that the construction of a market for clean technologies hinges upon the composition

of a complex network of actors with divergent, and sometimes conflicting, interests, in which market devices (in this case, a technology list) play a pivotal role. More generally, the paper contributes to discussions on controversies and performativity in market practices and on the construction of markets designed to address environmental issues. Examines the construction of a market for clean technologies following the implementation of EU environmental regulation. Shows that this process requires changing market architectures to make goods environmentally and economically valuable. Demonstrates that market innovation hinges upon the composition of a complex network of actors. Highlights the performative role of market devices that equip exchange, normalizing and representational practices. Positions valuation controversies as driving, rather than hindering, market innovation.

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Introduction

Author: Liliana Doganova (1980-) (forfatter) **Type:** Book Chapter **Book Title:** Discounting the future : the ascendancy of a political technology **Book Author:** Liliana Doganova (1980-) (forfatter) **ISBN:** 9781942130918 **LCCN:** 2023032356 **OCLC Number:** 1453463227 **Publisher:** Zone Books **Place of Publication:** Brooklyn, New York **Publication Date:** 2024 **Pages:** 7-31 **Edition:** First edition. **DOI:** 10.2307/jj.16304610.3 **Notes:** Sammendrag: "Through the historical sociology of discounting as a valuation technique, this book explores the defining traits and contradictions of our relationship to the future"--

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What is discounting and how to study it?

Author: Liliana Doganova (1980-) (forfatter) **Type:** Book Chapter **Book Title:** Discounting the future : the ascendancy of a political technology **Book Author:** Liliana Doganova (1980-) (forfatter) **Chapter Number:** 1 **ISBN:** 9781942130918 **LCCN:** 2023032356 **OCLC Number:** 1453463227 **Publisher:** Zone Books **Place of Publication:** Brooklyn, New York **Publication Date:** 2024 **Pages:** 33-80 **Edition:** First edition. **DOI:** 10.2307/jj.16304610.4 **Notes:** Sammendrag: "Through the historical sociology of discounting as a

valuation technique, this book explores the defining traits and contradictions of our relationship to the future"--

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Writing nature-economy relations

Author: Kristin Asdal, Tone Huse **Type:** Book Chapter **Book Title:** Nature-made economy : cod, capital, and the great economization of the ocean **Book Author:** Kristin Asdal, Tone Huse **Chapter Number:** 1 **ISBN:** 9780262545525 **LCCN:** 2022038601 **Publisher:** The MIT Press **Place of Publication:** Cambridge, Massachusetts **Publication Date:** 2023 **Pages:** 17-43 **Notes:** Innhold: Intro -- Contents -- Acknowledgments -- Introduction: The Great Economization of the Ocean -- 1.: Writing Nature Economy Relations -- 2.: Radical Revaluation: Economization at All Depths and Scales -- 3.: Biocapitalization: Rearing, Growing, Nurturing -- 4. Limits to Push, an Ocean to Grow -- .: 5 Into Innovation -- .: 6 Prices for Collective Concerns -- 7.: The Architecture of Mega Markets -- 8.: Good Nature, Good Economy -- Notes -- References -- .: Index.

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Radical revaluation: economization at all depths and scales

Author: Kristin Asdal, Tone Huse **Type:** Book Chapter **Book Title:** Nature-made economy : cod, capital, and the great economization of the ocean **Book Author:** Kristin Asdal, Tone Huse **Chapter Number:** 2 **ISBN:** 9780262545525 **LCCN:** 2022038601 **Publisher:** The MIT Press **Place of Publication:** Cambridge, Massachusetts **Publication Date:** 2023 **Pages:** 45-79 **Notes:** Innhold: Intro -- Contents -- Acknowledgments -- Introduction: The Great Economization of the Ocean -- 1.: Writing Nature Economy Relations -- 2.: Radical Revaluation: Economization at All Depths and Scales -- 3.: Biocapitalization: Rearing, Growing, Nurturing -- 4. Limits to Push, an Ocean to Grow -- .: 5 Into Innovation -- .: 6 Prices for Collective Concerns -- 7.: The Architecture of Mega Markets -- 8.: Good Nature, Good Economy -- Notes -- References -- .: Index.

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What Is a Good Tomato? A Case of Valuing in Practice

Valuation studies

Author: Heuts, Frank ; Mol, Annemarie **Type:** Article **ISSN:** 20015992 **Publisher:** Linköping University Electronic Press **Publication Date:** 2013-11-27 **Total Pages:** 125-146 **Pages:** 125-146 **Volume:** 1 **Issue:** 2 **DOI:** 10.3384/vs.2001-5992.1312125 **Notes:** As a contribution to the field of valuation studies this article lays out a number of lessons that follow from an exploratory inquiry into 'good tomatoes'. We held interviews with tomato experts (developers, growers, sellers, processors, professional cooks and so-called consumers) in the Netherlands and analysed the transcriptions carefully. Grouping our informants' concerns with tomatoes into clusters, we differentiate between five registers of valuing. These have to do with money, handling, historical time, what it is to be natural, and sensual appeal. There are tensions between and within these registers that lead to clashes and compromises. Accordingly, valuing tomatoes does not fit into inclusive formal schemes. Neither is it simply a matter of making judgements. Our informants told us how they know whether a tomato is good, but also revealed what they do to make tomatoes good. Their valuing includes activities such as pruning tomato plants and preparing tomato dishes. But if such activities are meant to make tomatoes good, success is never guaranteed. This prompts us to import the notion of care. Care does not offer control, but involves sustained and respectful tinkering towards improvement. Which is not to say in the end the tomatoes our informants care for are good. In the end these tomatoes get eaten. And while eating performs tomatoes as 'good to eat', it also finishes them off. Valuing may lead on to destruction. An important lesson for valuation studies indeed.

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Theme 3: Governing, caring for, and economizing life

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From Gifts to Commodities—and Back

Type: Book Chapter **Chapter Author:** Anna Lowenhaupt Tsing **Book Title:** The Mushroom at the End of the World **ISBN:** 9780691178325 **Publisher:** Princeton University Press **Publication Date:** 2015-09-29 **Total Pages:** 121- **Pages:** 121-129 **DOI:** 10.1515/9781400873548-011 **Notes:** It is time to return to the problem

of alienation. In capitalist logics of commodification, things are torn from their life-worlds to become objects of exchange. This is the process I am calling alienation, and I use the term as a potential attribute of nonhumans as well as humans. The surprising thing about the search for matsutake in Oregon is that it does not involve alienation in the relation between foragers and mushrooms. The mushrooms are indeed torn from their fungal bodies (although, as fruit, this is their goal). But instead of becoming alienated commodities, ready for conversions between money

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Salvage Rhythms: Business in Disturbance

Type: Book Chapter **Chapter Author:** Anna Lowenhaupt Tsing **Book Title:** The Mushroom at the End of the World **ISBN:** 9780691178325 **Publisher:** Princeton University Press **Publication Date:** 2015-09-29 **Total Pages:** 131- **Pages:** 131-135 **DOI:** 10.1515/9781400873548-012 **Notes:** A colleague who studies people and forests in Borneo told me the following story: The community he worked with lived in and around a great forest. A timber company came and cut down the forest. When the trees were gone, the company left, leaving a pile of disintegrating machines. The residents could no longer make a living either from the forest or from the company. They took apart the machines and sold the metal as scrap.¹ The story, for me, encapsulates the ambivalence of salvage: On the one hand, I am full of admiration for the people who figured out

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Biocapitalization: rearing, growing, nurturing

Author: Kristin Asdal, Tone Huse **Type:** Book Chapter **Book Title:** Nature-made economy : cod, capital, and the great economization of the ocean **Book Author:** Kristin Asdal, Tone Huse **Chapter Number:** 3 **ISBN:** 9780262545525 **LCCN:** 2022038601 **Publisher:** The MIT Press **Place of Publication:** Cambridge, Massachusetts **Publication Date:** 2023 **Pages:** 81-107 **Notes:** Innhold: Intro -- Contents -- Acknowledgments -- Introduction: The Great Economization of the Ocean -- 1.: Writing Nature Economy Relations -- 2.: Radical Revaluation: Economization at All Depths and Scales -- 3.: Biocapitalization: Rearing, Growing, Nurturing -- 4. Limits to Push, an Ocean to Grow -- .: 5 Into

Innovation -- .: 6 Prices for Collective Concerns -- 7.: The Architecture of Mega Markets -- 8.: Good Nature, Good Economy -- Notes -- References -- .: Index.

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[Introduction : the "more than human" condition : sentient creatures and versions of biopolitics](#)

Type: Book Chapter **Chapter Author:** Kristin Asdal (1967-) (forfatter) **Book Title:** Humans, animals and biopolitics : the more than human condition **ISBN:** 9781472448651; 9781472448682 **LCCN:** 2015045517 **Publisher:** Routledge **Place of Publication:** London **Publication Date:** 2017 **Total Pages:** x, 197 sider **Pages:** 1-29 **Tags:** Compendium **Available At:** UiO HumSam-biblioteket Pensum 304.27 Hum

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[Care: putting practice into theory](#)

Author: Annemarie Mol, Ingunn Moser & Jeannette Pols **Type:** Book Chapter **Chapter Author:** Mol, Annemarie ; Moser, Ingunn ; Pols, Jeannette **Book Title:** Care in practice : on tinkering in clinics, homes and farms **Book Author:** Annemarie Mol, Ingunn Moser & Jeannette Pols **ISBN:** 9783837614473 **OCLC Number:** 101765118-47bibsys_network; (NO-TrBIB)101765118 **Publisher:** Transcript Verlag **Place of Publication:** Bielefeld **Publication Date:** cop. 2010 **Total Pages:** 325 s. **Pages:** 7-26 **Editor:** Mol, Annemarie; Moser, Ingunn; Pols, Jeannette, **Volume:** 8 **DOI:** 10.1515/transcript.9783839414477.7 **Available At:** UiO Medisinsk bibliotek Rikshospitalet Bøker WB 460 Car 11

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[Chapter 1 "Life Beyond the Limits"](#)

Type: Book Chapter **Chapter Author:** Cooper, Melinda **Book Title:** Life as surplus : biotechnology and capitalism in the neoliberal era **ISBN:** 9780295987910 **OCLC Number:** 091978483-47bibsys_network; (NO-TrBIB)091978483 **Publisher:** University of Washington Press **Place of Publication:** Seattle **Publication Date:** cop. 2008 **Total Pages:** IX, 222 s. **Pages:** 3-50 **Notes:** A McLellan book **Available At:** UiO HumSam-biblioteket Pensum 303.483 Co

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Care and killing Tensions in veterinary practice

Author: Law, John **Additional Person Name:** Mol, Annemarie,; Moser, Ingunn; Pols, Jeannette, **Type:** Book Chapter **Chapter Author:** Law, John **Book Title:** Care in practice : on tinkering in clinics, homes and farms **Book Author:** Law, John **ISBN:** 9783837614473 **OCLC Number:** 101765118-47bibsys_network; (NO-TrBIB)101765118 **Publisher:** Transcript Verlag **Place of Publication:** Bielefeld **Publication Date:** cop. 2010 **Total Pages:** 325 s. **Pages:** 57-72 **Editor:** Pols, Jeannette ; Mol, Annemarie ; Moser, Ingunn **Edition:** 1. Aufl. **Volume:** 8 **DOI:** 10.14361/transcript.9783839414477.57 **Available At:** UiO Medisinsk bibliotek Rikshospitalet Bøker WB 460 Car 11

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1 February 1978

Type: Book Chapter **Chapter Author:** Foucault, Michel **Book Title:** Security, territory, population : lectures at the Collège de France, 1977-78 **Chapter Number:** 4 **ISBN:** 9781403986528; 1403986525; 9780312203603; 0312203608 **OCLC Number:** 070812748-47bibsys_network; (NO-TrBIB)070812748 **Publisher:** Palgrave Macmillan **Place of Publication:** Basingstoke **Publication Date:** 2007 **Total Pages:** XVII, 417 s. **Pages:** 87-114 **Tags:** Compendium **Available At:** UiO HumSam-biblioteket Pensum 320.1 Fou; UiO Juridisk bibliotek DJ Boksamling 1509 Fou

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Choreographies of co-modification: instrumentizing cod for immunology and the economy

History and philosophy of the life sciences

Author: Druglitrø, Tone ; Morsman, Silje Rebecca ; Asdal, Kristin **Type:** Article **ISSN:** 03919714 **Publisher:** Springer International Publishing **Place of Publication:** Cham **Publication Date:** 2025-06-01 **Total Pages:** 29- **Pages:** 29- **Volume:** 47 **Issue:** 2 **DOI:** 10.1007/s40656-025-00677-3 **Notes:** How to make sense of the struggle of scientists in their efforts to answer demands to contribute simultaneously to the advancement of science and the economy? The life sciences are understood to be particularly affected by the increased institutional and political expectations to engender scientific innovations and value creation (Fochler et al., 2016: 175–200). The expectations are often closely linked to the tools that life

scientists work with, such as new sequencing technologies or model organisms that are invested with hopes of novelty. The experimental life of the Atlantic cod, which is our object of study, serves here as an entry point for understanding this significant feature of contemporary life sciences. The paper shows how equipping a species to do experimental work is not necessarily about having it perform only one type of job Clarke & Fujimura (1992) or performing in one , and exclusively one , site . On the contrary, an experimental organism may be promising and interesting due to how it can be put to work to perform both in and for science, and in and for the economy, simultaneously. In analyzing the double entendre of experimental work, this paper draws upon the analytical concepts co-modification and choreography that have been carefully crafted in close empirical studies. The notion co-modification is put to work together with the notion of choreography to delineate both the material and semiotic work that go into the drawing together of the inside and outside of the lab and the material arrangements that shape the rhythm of a disciplined and controlled lab site. Together we refer to this as choreographies of co-modification.

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Experimenting with care and cod: On document-practices, versions of care and fish as the new experimental animal

Social studies of science

Author: Druglitrø, Tone ; Asdal, Kristin **Type:** Article **ISSN:** 03063127 **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2024-10-01 **Total Pages:** 706-727 **Pages:** 706-727

Volume: 54 **Issue:** 5 **DOI:** 10.1177/03063127231223904 **Notes:** A key ambition in care studies has been to study care in practice and as practice. By turning towards practices, care studies has rendered visible and acknowledged important work that is not captured through looking at formal procedures or official and written materials, such as policy documents and medical protocols. In this literature, document materials and the written have often been seen as unable to demonstrate and address the 'specificities of care' (Mol et al., 2010, p. 9). We challenge this view by showing how pragmatically-oriented approaches can be extended to the procedural and formalized aspects of care practices. We draw upon fieldwork in the life sciences—comparative immunology—investigated through experiments on Atlantic cod (*Gadus Morhua*). How to care for fish is a contested domain; many uncertainties exist around how

to care for fish so that legal requirements are met. We ask: How are existing legal and ethical principles and procedures put to work in cod immunology and animal research? By what document-practices and document-tools is care for cod in research negotiated and settled? How does the cod stand out as an object of care in the life sciences? Our article answers these questions by empirically teasing out how scientists navigate the terrain and arguing for the importance of bringing the document-based realities of animal research into analysis. We do this by delineating three different versions of care: procedural care, skilled care, and dispassionate care.

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Theme 4: STS and the Digital

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Introduction: The Politics of Making up a European People

Type: Book Chapter **Chapter Author:** Ruppert, Evelyn ; Scheel, Stephan **Book Title:** Data Practices **ISBN:** 191268585X **OCLC Number:** 1276862070 **Publisher:** Goldsmiths, University London **Place of Publication:** United States **Publication Date:** 2021 **Pages:** 1-28

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Data infrastructure literacy

Big data & society

Author: Gray, Jonathan ; Gerlitz, Carolin ; Bounegru, Liliana **Type:** Article **ISSN:** 20539517 **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2018-07-10 **Total Pages:** 205395171878631- **Pages:** 1-13 **Volume:** 5 **Issue:** 2 **DOI:** 10.1177/2053951718786316 **Notes:** 10.1080/17530350.2013.772070

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A Market of Opinions: The Political Epistemology of Focus Groups

The Sociological review (Keele)

Author: Lezaun, Javier **Type:** Article **ISSN:** 1467954X **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2017-01-25 **Total Pages:** 130-151 **Pages:** 130-151 **Volume:** 55 **Issue:** 2_suppl **DOI:** 10.1111/j.1467-954X.2007.00733.x **Notes:** 10.1075/pc.4.2.04cic

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[Algorithms, advertising and the intimacy of surveillance](#)

[Journal of cultural economy](#)

Author: Ruckenstein, Minna ; Granroth, Julia **Type:** Article **ISSN:** 17530369 **Publisher:** Informa UK Limited **Place of Publication:** Abingdon **Publication Date:** 2019-02-11 **Total Pages:** 12-24 **Pages:** 12-24 **Volume:** 13 **Issue:** 1 **DOI:** 10.1080/17530350.2019.1574866 **Notes:** 10.4324/9780203328132

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[Ernest Dichter, Motivation Research and the 'Century of the Consumer'](#)

Type: Book Chapter **Chapter Author:** Schwarzkopf, Stefan and Rainer Gries **Book Title:** Ernest Dichter and Motivation Research : New Perspectives on the Making of Post-war Consumer Culture **Chapter Number:** 1 **ISBN:** 1282911813 **OCLC Number:** 690124051 **Publisher:** Palgrave Macmillan UK : Imprint: Palgrave Macmillan **Place of Publication:** London **Publication Date:** 2010 **Pages:** 3-39 **Editor:** Schwarzkopf, Stefan **Edition:** 1st ed. 2010. **Tags:** Compendium **Notes:** Includes bibliographical references and index.

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[The Ethnography of Infrastructure](#)

[The American behavioral scientist \(Beverly Hills\)](#)

Author: Star, Susan Leigh **Type:** Article **ISSN:** 15523381 **Publisher:** SAGE Publications **Publication Date:** 2016-07-27 **Total Pages:** 377-391 **Pages:** 377-391 **Volume:** 43 **Issue:** 3 **DOI:** 10.1177/00027649921955326 **Notes:** 10.7208/chicago/9780226924601.001.0001

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Sorting Things Out: Classification and Its Consequences

Author: Bowker, Geoffrey C ; Star, Susan Leigh **Type:** Book **ISBN:** 0262024616 **OCLC Number:** 1151195317 **Publisher:** The MIT Press **Place of Publication:** Cambridge **Publication Date:** 2000-08-25 **Edition:** 1 **DOI:** 10.7551/mitpress/6352.001.0001 **Notes:** A revealing and surprising look at how classification systems can shape both worldviews and social interactions. What do a seventeenth-century mortality table (whose causes of death include "fainted in a bath," "frighted," and "itch"); the identification of South Africans during apartheid as European, Asian, colored, or black; and the separation of machine- from hand-washables have in common? All are examples of classification—the scaffolding of information infrastructures. In *Sorting Things Out*, Geoffrey C. Bowker and Susan Leigh Star explore the role of categories and standards in shaping the modern world. In a clear and lively style, they investigate a variety of classification systems, including the International Classification of Diseases, the Nursing Interventions Classification, race classification under apartheid in South Africa, and the classification of viruses and of tuberculosis. The authors emphasize the role of invisibility in the process by which classification orders human interaction. They examine how categories are made and kept invisible, and how people can change this invisibility when necessary. They also explore systems of classification as part of the built information environment. Much as an urban historian would review highway permits and zoning decisions to tell a city's story, the authors review archives of classification design to understand how decisions have been made. *Sorting Things Out* has a moral agenda, for each standard and category valorizes some point of view and silences another. Standards and classifications produce advantage or suffering. Jobs are made and lost; some regions benefit at the expense of others. How these choices are made and how we think about that process are at the moral and political core of this work. The book is an important empirical source for understanding the building of information infrastructures.

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Atlas of AI : power, politics, and the planetary costs of artificial intelligence

Author: Crawford, Kate, **Type:** Book **ISBN:** 9780300252392; 0300252390 **OCLC Number:** (CKB)4100000011766218; (OCoLC)1237863151; (MiAaPQ)EBC6478659; (DE-B1597)579454; (DE-B1597)9780300252392; (PPN)261615793; (ODN)ODN0006078762 **Publisher:** Yale University

Press **Place of Publication:** New Haven, Connecticut : **Publication Date:** [2021]; 2021 **Pages:** 1 online resource (327 pages) : **DOI:** 10.12987/9780300252392 **Notes:** Sammendrag: In this book Kate Crawford reveals how this planetary network is fueling a shift toward undemocratic governance and increased inequality. Drawing on more than a decade of research, award-winning science, and technology, Crawford reveals how AI is a technology of extraction: from the energy and minerals needed to build and sustain its infrastructure, to the exploited workers behind "automated" services, to the data AI collects from us. Rather than taking a narrow focus on code and algorithms, Crawford offers us a political and a material perspective on what it takes to make artificial intelligence and where it goes wrong. While technical systems present a veneer of objectivity, they are always systems of power. This is an urgent account of what is at stake as technology companies use artificial intelligence to reshape the world.

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[Data infrastructures, international organizations, and the politics of amendment](#)

[Big data & society](#)

Author: Aalbu, Kjersti ; Bauer, Susanne **Type:** Article **ISSN:** 20539517 **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2025-06-01 **Volume:** 12 **Issue:** 2 **DOI:** 10.1177/20539517251331951 **Notes:** Data infrastructures are becoming increasingly central in "evidence-based" and "data-driven" policymaking at the international level, but the production and use of data in governance varies between different institutions and settings. This article examines closely the relations between data production and use over time in two international organizations and their efforts to deal with emissions to air—the International Maritime Organization and the World Health Organization. The article contributes to work in STS on infrastructures by proposing new lenses through which to analyze data infrastructures in international organizations over time. We first conceptualize data infrastructures in international organizations as political formations which are institutionally negotiated and contested, and that both carry and enact relations. We then develop amendment as a praxiographic lens through which to study such data formations, based on what we call data praxiography. We analyze the politics of amendment, capturing how these data formations are continuously worked on in response to changing scientific and political interests, and how data

practices are intimately linked with institutional practices and politics. The article contributes to the growing literature on data governance and digital statecraft by showing the importance of studying the continuity of data work in international organizations and the layering of data formations through amendments for understanding new data-informed modes of governance.

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[Environmental infrastructures of emergency: The formation of a civic radiation
monitoring map during the Fukushima disaster](#)

Type: Book Chapter **Chapter Author:** Morita, Atsuro ; Blok, Anders ; Kimura, Shuhei **Book Title:** Nuclear disaster at Fukushima Daiichi : social, political and environmental issues **ISBN:** 9780415527835; 041552783X; 9780203551806; 020355180X **LCCN:** 2012045708 **OCLC Number:** 17537405 **Publisher:** Routledge **Place of Publication:** New York **Publication Date:** c2013 **Total Pages:** xxviii, 222 p. **Pages:** 78-96 **Edition:** 1st ed. **DOI:** 10.4324/9780203551806 **Tags:** Compendium **Available At:** UiO HumSam-biblioteket Pensum 363.17990952117 Nuc

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[The uncontroversial 'thingness' of AI
Big data & society](#)

Author: Suchman, Lucy **Type:** Article **ISSN:** 20539517 **Publisher:** SAGE Publications **Place of Publication:** London, England **Publication Date:** 2023-07 **Volume:** 10 **Issue:** 2 **DOI:** 10.1177/20539517231206794

Notes: This commentary starts with the question 'How is it that AI has come to be figured uncontroversially as a thing, however many controversies "it" may engender?' Addressing this question takes us to knowledge practices that philosopher of science Helen Verran has named a 'hardening of the categories', processes that not only characterise the onto-epistemology of AI but also are central to its constituent techniques and technologies. In a context where the stabilization of AI as a figure enables further investments in associated techniques and technologies, AI's status as controversial works to reiterate both its ontological status and its agency. It follows that interventions into the field of AI controversies that fail to trouble and destabilise the figure of AI risk contributing to its uncontroversial

reproduction. This is not to deny the proliferating data and compute-intensive techniques and technologies that travel under the sign of AI but rather to call for a keener focus on their locations, politics, material-semiotic specificity, and effects, including their ongoing enactment as a singular and controversial object.

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3 The datafication of nature: data formations and new scales in natural history

The Journal of the Royal Anthropological Institute

Author: Nadim, Tahani **Type:** Article **ISSN:** 13590987 **Publisher:** Wiley **Place of Publication:** HOBOKEN

Publication Date: 2021-04-01 **Total Pages:** 62-75 **Pages:** 62-75 **Volume:** 27 **DOI:** 10.1111/1467-9655.13480

Notes: In this essay, I consider the scales and connections lost and gained as natural history adopts digital data infrastructures. On the basis of ongoing work in the Museum fur Naturkunde Berlin, I track the relations between insect specimens and their material and digital informational ecologies. Using Latour's notion of the 'circulating reference', I follow the insect specimens as they make their way into taxonomies, databases, and digitization apparatuses. In focusing on human-data mediations in museum practices of ordering, describing, and distributing specimens, I show how the datafication of nature makes present conventionally dissociated contexts, including German colonialism. Proposing the concept of a data formation, I suggest that ethnographers have much to contribute in bringing forward the sociocultural and historical specificities and contingencies within data.

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