ISP-FIDE Applied Ethics (2012–2015)
EAK Research Network (2012-2014)
ECO-Values (2012-2015)
Rights to a Green Future
Dialogues on Aquaculture
Crossover Research (2010-2014)

Applied Ethics: Technology and Governance of Health and Natural Resources Project

Funding: The Research Council of Norway - ISP-FIDE Programme

Project Code: 217426

Duration: 01.04.2012 – 31.05.2015

Project manager: May Thorseth

Coordinator/researcher: Allen Alvarez

Primary and secondary objectives of the project

The primary objective is to strengthen the area of applied ethics as a growing field within Norwegian philosophy. We aim at stronger cooperation with other relevant Norwegian Philosophy institutions, by way of targeted cooperative arrangements such as joint workshops and joint research applications. Secondary objective of the project is to improve the quality of publications, through co-authorship and more extended informal reviewing from colleagues at other institutions, according to what is emphasized in the institution's response to the evaluation report "Philosophy and history of ideas in Norway. Evaluation of research 2004-2008".

Project summary

The primary objective is to strengthen the area of applied ethics as a growing field within Norwegian philosophy. The main topic of this project is governance and technology as seen from an applied ethics perspective. There are particularly two important fields being addressed, i.e. environmental ethics focusing on natural resources, and bioethics/ health care ethics. The way technology influence governance in both of these fields gives rise to many ethical concerns, such as e.g. governance of resource abundance, and the way natural resources shape institutions and policies. One of the urgent issues in this project has to do with governance of resource abundance, among others the question of how natural resources shape institutions and policies. As an example, Technology and governance relate to which policies countries rich in natural resources should as this relates to institutional obstacles for sustainable politics and just institutions. Technology and governance also has a great impact on developing and designing of public health policies, and thus give rise to several ethical concerns, such as assessing the legitimacy of a normative recruitment approach to public health interventions in terms of screening, vaccination and health surveys. A third issue is related to enhancement technologies as these apply to institutional as well as individual levels. We aim at improving the quality of publications, through co-authorship and more extended informal reviewing from colleagues at other institutions. Both

topics of the project have great application potentials for two obvious reasons: (i) ethical issues on governance and use/impact of technology are highly debated and contested in the public domain, and (ii) the research to be undertaken is solidly based in several larger projects with international partners. Thus, publications from the project aim at international publications of high quality.

Project year 2012	
Activity	CSR WORKSHOP
Date	19 - 20 November 2012, Trondheim
Leader	Siri Granum Carson
Theme/topic	The role of corporations in a 'world at risk'
	According to German sociologist Ulrich Beck, we live in a "World Risk Society" (cf. Beck 1999; Beck 2007a). While we have always been subjected to the threats of non-human forces such as natural disasters, today we are to a greater extent exposed to man-made risks, many of which are of a global nature. Among the major threats faced by the global society today are climate change and financial crises, producing worldwide consequences that are hard to predict. Large multinational corporations with global scope of operations offer a different – and yet significant – type of risk. This risk is associated with the "market imperfections" or inadequacy of inherent risk control that is embedded in the notion of competitive markets. Given their large size and operational scale, corporations create enormous efficiencies and thus improve returns on invested capital. However, they also generate another kind of return on capital which emanates from their ability to shift some of their costs, e.g., negative externalities on other segments of society and thus create distributive injustice (cf. Sethi 1994; 2011). Corporations initiate scientific and technological innovations which are conceived by the global public as uncontrollable. Corporate decisions have consequences transcending the regulatory apparatus of the state, and accordingly, social movements attempt to reach beyond the boundaries of national legal systems in an attempt to hold corporations responsible – not only for the damage caused by present activity, but also for what might happen in the future; for the non-foreseeable, long-term consequences of their decisions. An added complexity has to do with the ability of these large multinational corporations to exert influence on the political bodies that are supposed to oversee corporate activities , creating a "regulatory capture" which further exacerbates the challenges of society's political and social institutions to exercise due diligence on the activities of multinational corporations. This has profound implications for corporations, who are facing an increasing "legitimacy gap" (cf. Beck 2007b). In an attempt to build a new foundation of trust, corporations seek to address these challenges by focusing on corporate social responsibility (CSR) in its different versions; fronting good stakeholder relations (cf. e.g. Freeman 1984, Donaldson/Preston 1995), corporate citizenship (cf. e.g. Carroll 1998, Matten/Crane 2005), or ethical values in the form of "corporate virtues" (cf. e.g. Sethi 1994; Vogel 2005). In the Scandinavian context, business-society relations have traditionally been characterized by a strong social-democratic welfare state and well-functioning partnerships between business, government, and labour organisations (cf. e.g. Midttun et. al 2006; Gjølberg 2010; Carson/Fet/Skaar 2011). In this

	context, CSR has traditionally been viewed as superfluous, or at least as pertaining only to the cases where Scandinavian companies are operating abroad. More recently, however, we see a gradual change, where companies are becoming more expressive when it comes to social and environmental issues. In this workshop, we want to explore this development in light of the legitimacy gap of a "world at risk". We ask under which circumstances corporations can be held accountable for the future impact their decisions might have on society. The goal of the workshop is to develop ideas and give feedback on papers in progress, as well as to explore the foundation for joint research projects. **PROGRAM:** Monday 19th November 12:00 - 13:00 Lunch 13:00 - 13:15 Opening words Siri Granum Carson 13:15 - 14:00 Dagfinn Dybvig (UiN): "Ulrich Beck's Risk Society revisited in the light of CSR" 14:00 - 14:45 Siri Granum Carson (NTNU): "Loosening or tightening the bonds? Explicating CSR in the Norwegian context" 14:45 - 15:15 Coffee break 15.15 - 16.00 Øivind Hagen (BI Norwegian Business School): "Expressiveness as a driver for innovation. The case of CSR" 16.00 - 16.45 Hin Hoarau Heemstra (UiN): "A destination-network´s response to climate change: the case of Svalbard" 16.45 - 17.15 Coffee break 17.15 - 18.00 Bjørg Granly (NTNU): "Investigating CSR practice and drivers in Norwegian metal processing SMEs" 18.00 - 18.30 Annik Magerholm Fet (NTNU): "Is CSR a driver for success in Gazelle companies?" 19.30 Workshop dinner at Glassgården Brasseri og Grill, Rica Bakklandet Hotel Tuesday 20th November 9.00 - 9.45 Prakash Sethi (Baruch College, CUNY): "Globalization and Multinational Corporations - Creating Social Accountability through Voluntary Codes of Conduct" 9.45 - 10.30 Lin Olderøien Elvegård (NTNU/HIST): "Trust in the market discourse – in business relations between companies from democracies and non-democracies" 10.30 - 10.45 Coffee break 10.45 - 11.30 John Hermansen (NTNU-IØT): "Valuation of ecosystem services and objectification of ecological indicators" 11.30 - 12.15 Juan Miguel Rey Pino, Lucia Porcu and Salvador del Barrio (University of Granada): "How to fight against integrated marketing communication of tobacco companies: some insight from critical and social marketing" 12.15 - 13.15 Lunch 13.15 - 14.00 May Thorseth (NTNU): "Institutional Obstacles to Sustainability - the Guangdong Case" 14.00 - 15.00 "Pitch session": Presentation of ideas for research projects and other possible collaborations.

	15.45 - 16.00 Closing comments
Activity	CROSSOVER RESEARCH WORKSHOP
Date	26 - 27 November 2012, Trondheim
Leader	Rune Nydal
Theme/topic	The Ethos of Integrative Research: he case of systems biology
	It now seems to be generally accepted, or at least not especially controversial, that modern large scale science projects should include or "integrate" humanist research efforts (cf. Biotek 2021 and Nano 2021 in the Norwegian context). Rationales for integrative research often rest on ethical or political grounds, recognizing the need for researching and engaging relevant ethical and political questions as part of scientific and technological development. The general agreement is surprising, given proponents' analyses of why such integration is needed are not uniform nor clearly articulated and there are few worked-out methods or exemplary cases for how integration is to be carried out. This two-day workshop invites participants from different experiments of integration in order to create an arena where rationales for integration can be further discussed. Our starting point is to investigate the ethos of this kind of, integrative, research: where by "ethos" we understand the moral character of the research, formed and manifested through its practices, as well as its actual and envisioned moral implications. What is it about integrative research, in simple terms, that is being experienced as good and worth doing by practitioners experimenting on integration? (If anything!) We focus our discussion by examining the work of four different, and differently "integrated" systems biology research groups, based in Norway and in the UK. **PROGRAM:** Monday 26th November 11:30 - 13:00 Lunch 13:00 - 13:10 Opening words: Ethos of integration Rune Nydal/ Sophia Efstathiou 13:10 - 13:40 Rune Nydal: Seeking integration for different professional reasons 13:40 - 14:20 Martin Kuiper: The emergence of semantic systems biology 14:20 - 14:40 Coffee break 14.40 - 15.20 Sophia Efstathiou: How we manage to manage knowledge 15.20 - 16.00 Kevin Burrage: Nonstandard modelling and simulation for the life sciences: science on the boundaries 16.00 - 16.20 Coffee break 16:20 - 17.00 Roger Strand: "Crossing the Styx." An attempt at doing a social critique of biology from within biology 17.00 - 17.30 Lars Ursin: The empirical ethicist

	17.30 - 18.30 Discussion Chair: Bjørn Myskja 19.30 Workshop dinner at Rica Nidelven Hotel Tuesday 27th November 8.30 - 9.00 Heidrun Åm: New materials in solar technology: What can social science contribute in the laboratory? 9.00 - 9.30 Bjørn Myskja: Genetically and ethically modified strawberries: learning by doing 9.30 - 9.50 Coffee break 9.50 - 10.30 Annamaria Carusi: Integrated research in cardiac modelling: pleasures and pains 10.30 - 11.10 Dorothy Dankel: The "Reflexive Systems Biology" Project: act small, aim big 11.10 - 11.30 Coffee break 11.30 - 12.10 Astrid Lægreid: Why systems biology is more rewarding to do with philosophers on board 12.10 - 12.40 Berge Solberg: Incidental value of integrative research – a true story 12.40 - 13.00 Discussion Chair: Rune Nydal 13:00 - 13:50 Lunch 13.50 - 14.30 Giovanni De Grandis: Values and ethos in integrative research: the cases of public health and city planning 14.30 - 15.00 Asle Kiran: The embedded philosopher/ethicist. Experiences from the Netherlands 15.00 - 15.10 Coffee break 15.10 - 16.00 Closing discussion Chair: Sophia Efstathiou
Activity	GOVERNANCE OF NATURAL RESOURCES WORKSHOP
Date	18-19 December 2012, Trondheim
Leader	May Thorseth
Theme/topic	Governance of Natural Resources
	The aim of this workshop is to discuss governance of natural resources, in particular obstacles to sustainability. Such obstacles may be of different kinds, e.g. psychological/motivational or communicative/institutional. Further, they also concern intergenerational relations and future generations. Our main approach to these issues is applied ethics. Some of the invitees are part of working group 4 of the "Rights to a Green Future" project, working on papers for a publication in 2013. This workshop is a possibility for refining papers aiming at this publication. We do, however, welcome other contributions, not least with respect to a plurality of methodological approaches. Some research questions to be discussed

	• Sustainability – how to understand the concept? – Anthropocentric, ecocentric and bio centric conceptualisations against e.g. Dryzek's criticism of 'centrisms'. • Roads to sustainability – what are the psychological/emotional and institutional obstacles to sustainability? • Intergenerational and future generational concerns – what kind of responsibility should current generations take upon? • Rights of using natural resources? • Institutional responsibility – democracy, joint decision-making, power relations. • Governance – democracy, deliberative democracy, green democracy, others? • Human rights and democracy – different ways of legitimation? (e.g. Habermas) • Role/responsibility for stakeholders? • Antinomies in liberal democracy – tension between democracy and sustainability • How to create Bioethical Consciousness through Bioethical Education? This list only gives some hints of issues to be discussed, particularly as the aim of the workshop is to expand while deepening our understanding of sustainability of natural resources. 'Natural resources' most often refers to such as oil, food soil, gas, water, and the like, but it may also include such as human resources and governance capabilities. The problem of the resource curse is but one reminder that natural resources are not only about resources conceived as "hardware". **PROGRAM:** Tuesday 18th December 08:30 - 09:15 Introduction May Thorseth (ISP-FIDE Applied Ethics); Marcus Duwell (Rights to a Green Future); Jennifer Bailey (Dialogues on Aquaculture) 09:15 - 9:30 Coffee break 09:30 - 10:30 Karsten Klint Jensen: Obstacles to sustainability: Is the dominant ethical outlook biased? 10:30 - 11:30 May Thorseth: Liberal democracy - an obstacle to sustainable development? 11:30 - 12:30 Lunch 12:30 - 13:30 Marcus Düwell: Democracy, Human Rights and Sustainability 13:30 - 14:30 Espen Gamlund: Moral demands of climate change 14:30 - 14:45 Coffee break 14:45 - 15:45 Allen Alvarez: Sustainability and intergenerational justice 15.45 - 16.45 Mickey Gjerris: Willed blindness

	16.45 - 17.15 Discussion Chair: Bjørn Myskja 19.00 Workshop dinner Wednesday 19th December 08.45 - 9.45 Rita Oliveira: School should do its part: how the lack of a clear environmental education strategy endangers sustainability policies 9.45 - 10.45 Jennifer Bailey: In Search of the Legitimate Stakeholder 10.45 - 11.00 Coffee break 11.00 - 12.00 Siri Granum Carson: The corporation as a global political actor 12.00 - 13.00 John Hermansen: Sustainability and green economy 13.00 - 14.30 Lunch 14.30 - 15.30 Annik Fet & Atle Midttun: Is CSR a Strategic Tool for Innovation and Growth in Small and Medium Sized Enterprises? 15.30 - 15.45 Closing words May Thorseth, Marcus Düwell, Jennifer Bailey
Project year 2013	
Activity	BIOTECHNOLOGY AND HEALTHCARE WORKSHOP
Date	5 & 6 June 2013, Bergen
Leader	Allen Alvarez/Lars Ursin/Per Erling Movik
Theme/topic	Man, meat, and method
	The purpose of this workshop is to address some key ethical, theoretical and conceptual issues related to the development of new and emerging technologies. These new technologies include health interventions that are onsidered conventional such as new vaccines, non-conventional health interventions such as the use of prescription drugs for cognitive enhancement. Another topic is technology-rich food production, technologically enhanced food like functional food and GMO, as well as artificial meat technology aimed to address problems arising from factory farming of livestock. These key issues will be analyzed through the lens of applied ethics as well as from other theoretical perspectives, including art and design. The workshop will also explore some innovative approaches to engaging the public in sorting out controversial ethical and political issues that may arise from the use of such new technologies. These innovative approaches to public deliberation will be examined not only for their instrumental value to democracy but also as methods for enhancing collective knowledge and understanding of both new technologies as well as the ethical issues that are associated with the development and dissemination of these technologies.

	The workshop is funded by the Research Council of Norway and NTNU **PROGRAM:** Wednesday, 5th of June Session 1: Public engagement on new and emerging technologies (Jointly organized by UiB Philosophy Dept. & NTNU Programme for Applied Ethics) 09:00 - 10:30 Henry Richardson (Georgetown University) Special Lecture: Engaging the Public in Moral Reasoning 10:30 - 10:45 BREAK 10:45 - 10:50 Per-Erling Movik, Lars Ursin & Allen Alvarez: Brief introduction to the ISP-FIDE project 10.50 - 11.20 Peter Danielson (University of British Columbia): New tools to learn about the ethics of new technologies 11.20 - 11.50 Allen Alvarez (NTNU): N-Reasons survey on life extension 11.50 - 12.20 Roger Strand & Kjetil Rommetveit (UiB): TECHNOLIFE project 12.20 - 12.50 Discussion 1 Moderator: Rune Nydal (NTNU) 12:50 - 13.50 LUNCH Session 2: Human enhancement 13.50 – 14:20 Ingmar Persson (University of Gothenburg and Oxford University): Unfit for the Future: The Need for Moral Enhancement 14:20 – 14:50 Per-Erling Movik (NTNU): Emotional development and existential loneliness: considerations towards a view of enhancement of character 14:50 – 15:20 Ronny Myhre (NTNU): Functionalism and Well-Being 15:20 - 15:50 Discussion 2 Moderator: Morten Dahlback (NTNU) 15:50 - 16:05 BREAK Session 3: Personalised medicine and BioArt 16:05 – 16:35 Sophia Efstathiou (NTNU): The Nazi Cosmetic: Medicine in the Service of Beauty 16:35 – 17:05 Desiree Förster (University of Düsseldorf): Under the surface, under the skin - varieties of knowledge in interspecies art 17:05 - 17:35 Discussion 3 Moderator: Rune Nydal (NTNU) 19.00 Dinner at På Høyden Thursday, 6th of June

	Session 4: Artificial meat and food ethics 09:00 – 10:00 Clemens Driessen (Utrecht University): Disclosing meat cultures: an in-vitro meat design workshop 10:00 - 10:15 BREAK 10:15 - 10:45 Lars Ursin (NTNU): The making of the meat-eating vegetarian 10.45 - 11.15 Asle Kiran (NTNU): Meat-eating vegetarians and other tales of technological mediation 11.15 - 12:15 Tsjalling Swierstra (Maastricht University): Understanding Technologically Induced Moral Change: a Model 12.15 - 12.55 Discussion 4. Moderator: Rune Nydal (NTNU) 12.55 - 13:00 Per-Erling, Lars, Allen: Closing words: where do we go from here 13:00 Lunch at Scandic Bergen City
Activity	First ISP-FIDE PHD FORUM
Date	23 - 24 August 2013, Trondheim
Leader	
Theme/topic	Globalization and the cultural variations of CSR Participants are PhD candidates, postdocs and invited researchers from partner institutions of the ISP-FIDE project Applied Ethics: Technology and Governance of Health and Natural Resources. **PROGRAM:** 10.15 – 12.00 Common session: Presentation of paper proposals by PhD candidates (Knut, Mahes, Mary, Rita) 12.00 – 13:00 LUNCH BREAK 13.10 – 13.50 Tom Andreassen: Lack of access to IP protected essential medicines. Ethical issues at stake 13.50 – 14.30 Annik M. Fet: CSR-orientations, Innovation dimensions and business Growth-models 14:30 - 14:50 Coffee break 14:50 - 15:30 Siri G. Carson: From Implicit to Explicit CSR in a Scandina- vian Context: The Cases of HÅG and Hydro 15.30 – 16.10 Prakash Sethi: Explicit vs. implicit CSR: avenues for future Research 16.10 – 16.20 Coffee break 16.20 – 17.00 Øivind Hagen: CSR across Europe: Northern vs. Southern approaches: A research proposal

Project year 2014	
Activity	Second ISP-FIDE PHD FORUM
Date	4 - 5 June 2014, Trondheim
Leader	
Theme/topic	The Normative Dimensions of New Technologies
	Studying the normative dimensions of technological enterprises aims to disclose 'normative good' prospects that drive the innovation processes and analyze to what extent the involved technologies reinforce the intended ideas of a good practice. This involves normative work, unlike classical sociological or anthropological studies of value systems. It involves double reflexivity in the sense that it is an evaluative description of the normative goals embedded in the system. Such normative work can be pursued by philosophers by classical methods, but in addition by the use of empirical methods, such as interviews, participant observation, focus group and conversation analysis. The normative dimensions of a technological system then draws attention to immanent evaluative traces of human action, as situated within particular socio-technological milieus. In this workshop we will aim to articulate and discuss approaches and methodology that seeks to make normative research activity and research output productive in contexts of ongoing societal and technological decision-making. Both context-sensitivity and awareness of the theoretical concerns, principles and values that we bring with us to the field, is required for a precise grasp of the normative issues at stake in targeting the normative dimensions of technology development and implementation. Central questions at this workshop will include: What are the adequate methods for answering the normative challenges posed by emerging technologies? How do we combine empirical methods and philosophical theories in answering particular research questions related to technology development? How do we work with technology partners and policy makers, in committees and advisory boards, in a way that is philosophically fruitful? What kind of contributions should we aim to provide? This workshop is part of the Research Council of Norway funded ISP-FIDE project Applied Ethics: Technology and Governance of Health and Natural Resources and is arranged through collaboration between the Programme for Applied Ethics and research groups at NTNU including the Research group on the ethos of Technology (RESET), Research group for ethics, society and technology (FEST), and VERP (Verksted for praktisk filosofi). The purpose of the workshop is twofold: 1. To create an opportunity for researchers in Norwegian Philosophy departments in collaborating in research by reading each other's papers and commenting on them to help enhance research in their respective fields.

	2. To polish papers for submission to a special issue (we will propose publication in a special issue of the Nordic Journal of Applied Ethics). **PROGRAM:** DAY 1 – 04 June 2014, PM only LUNCH – 11.45 – 12.45 - Kunnskapssenteret, kantina Session 1 12.45 – 13.00 Introduction / 13:00 – 14.45 (105 mins) 1902-bygget Room 02S21 1. Rune Nydal, NTNU - Three ethical uncertainties of technology (15 mins) 13.00 – 13.35 Comment (5 mins) Discussion (15 mins) 2. Mark Young, UiB – The Mechanical Conception of Scientific Observation (15 mins) 13.35 – 14.10 Comment (5 mins) Discussion (15 mins) 3. Sophia Efstathiou, NTNU - Is it possible to give scientific solutions to 'grand' challenges? (15 mins) 14.10 – 14.45 Comment (5 mins) Discussion (15 mins) BREAK – 14.45– 15.00 Session 2 15.00 – 16.10 (70 mins) 1902-bygget Room 02S21 4. Lars Ursin, NTNU – The Argument from Future Situations (15 mins) 15.00 – 15.35 Comment (5 mins) Discussion (15 mins) 5. Tsjalling Swierstra, MU - Some methodological issues in exploring technomoral change (15 mins) 15.35 – 16.10 Comment (5 mins) Discussion (15 mins) 16:10 – 16:30 General Discussion (20 mins) DAY 2 – 05 June 2014 Session 3 08:30 - 10:15 (105 mins) Kunnskapssenteret, Room KS12 6. Allen Alvarez, NTNU – Mixed Views About Radical Life Extension (15 mins) 08.30 – 09.05 Comment (5 mins) Discussion (15 mins)

	7. Peter Danielson, UBC – Surprising Judgments about Robot Drivers: Experiments on Rising Expectations and Blaming Humans (15 mins) 09.05 – 09.40 Comment (5 mins) Discussion (15 mins) 8. Trine Antonsen, UiT - Robotic milking technologies, new agrarianism, and the philosophers' role in assessing emerging technologies (15 mins) 09.40 – 10.15 Comment (5 mins) Discussion (15 mins) BREAK – 10.15– 10.30 Session 4 10.30 – 12.15 (105 mins) Kunnskapssenteret, Room KS12 9. Clemens Driessen, WU – The ironies of Socratic technology assessment; exploring the materiality of critical deliberation (15 mins) 10.30 – 11.05 Comment (5 mins) Discussion (15 mins) 10. Asle Kiran, NTNU – Use, non-use and patienthood – some normative dimensions of assistive technologies (15 mins) 11.05 – 11.40 Comment (5 mins) Discussion (15 mins) 11. Ronny Mhyre, NTNU - The Default Mode Network and the Ethics of the Self (15 mins) 11.40 – 12.15 Comment (5 mins) Discussion (15 mins) 12:15 – 12:40 General Discussion (20 mins) LUNCH – 12.40 – 13.30 - Kunnskapssenteret, kantina Session 5 13.30 – 15.00 (105 mins) Kunnskapssenteret, Room KS12 12. Tom Andreassen, NTNU - Intellectual Property Rights by Chance (15 mins) 13.30 – 14.05 Comment (5 mins) Discussion (15 mins) 13. Erik Christensen,UiT - Bioethics committees and normative representative pluralism (15 mins) 14.05 – 14.40 Comment (5 mins) Discussion (15 mins) 14. Per-Erling Movik, NTNU – What does application of theory and methodology mean in technology ethics? (15 mins) 14.40 – 15.15 Comment (5 mins) Discussion (15 mins) BREAK – 15.15– 15.30 15:30 – 16:00 General Discussion (30 mins)

	PAPERS: 1. **Three ethical uncertainties of technology** Rune Nydal (comments from Patrick Kermit) published doi:10.5324/eip.v9i1.1835 2. **Is it possible to give scientific solutions to 'grand' challenges?** Sophia Efstathiou (comments from John-Arne Skolbekken) 3. **The Argument from Future Situations** Lars Ursin (comments from Trine Antonsen) 4. **Some methodological issues in exploring technomoral change** Tsjalling Swierstra (comments from Morten Dahlback) published doi:10.5324/eip.v9i1.1838 5. **Mixed Views About Radical Life Extension** Allen Alvarez, Lumberto Mendoza & Peter Danielson (comments from Ronny Myhre) published doi:10.5324/eip.v9i1.1829 6. **Surprising Judgments about Robot Drivers: Experiments on Rising Expectations and Blaming Humans** Peter Danielson (comments from Sophia Efsttathiou) published doi:10.5324/eip.v9i1.1727 7. **Robotic milking technologies, new agrarianism, and the philosophers' role in assessing emerging technologies** Trine Antonsen (comments from Clemens Driessen) 8. **The ironies of Socratic technology assessment; exploring the materiality of critical deliberation** Clemens Driessen (comments from Rune Nydal) 9. **Use, non-use and patienthood – some normative dimensions of assistive technologies** Asle Kiran (comments from Tsjalling Swierstra) 10. **Intellectual Property Rights by Chance** Tom Andreassen (comments from Erik Christensen) published doi:10.1007/s11019-015-9647-4 11. **Bioethics committees and normative representative pluralism** Erik Christensen (comments from Mark Young) 12. **What does application of theory and methodology mean in technology ethics?** Per-Erling Movik (comments from Tom Andreassen)
Activity	Publication Workshop

Date	25 August 2014, Trondheim
Leader	
Theme/topic	Enhancing Publication Quality in Applied Ethics
	How do we enhance the quality of publications in applied ethics? What should be the standard for measuring quality of published results of normative and conceptual research? As in other academic publications citation ratings seem relevant when we consider the impact of published research results. But citation ratings may not be enough. We also need to specify the ways publication are cited, e.g. is it to inform the current discussion? to criticize the work being cited? or other reasons? Defining the nature of applied ethics as research field is relevant in deciding which standard should be used for measuring quality. The empirical sciences may have well established criteria for methodological rigor that facilitates the production of research findings. Should applied ethics rely on the similar or equivalent criteria as those used in empirical research when publishing results of normative reflection such as in moral philosophy and ethics? While certain standardized measures exist, such as the Level 1 – Level 2 journal rating system in Norway, we still need to clarify and reflect on what specialists and practitioners in applied ethics should consider as appropriate benchmarks for measuring quality of research in the field. The ISP-FIDE project Applied Ethics: Technology and Governance of Health and Natural Resources is arranging a workshop on August 25, 2014 in Trondheim, Norway to discuss the theme of Enhancing Publication Quality in Applied Ethics. The workshop will gather PhD researchers, postdocs, and academic staff from partner universities in Norway and Europe to discuss with journal editors some key questions related to publication quality in applied ethics. **PROGRAM:** Part 1: Enhancing Publication Quality in Applied Ethics 25 August 2014, NTNU, Trondheim, Norway August 25, Monday 10.00 – 10.15 Opening remarks - Anne Kristine Børressen, Dean NTNU Faculty of Humanities 10.15 – 12.00 Journal Editors' Panel I: Publishing in Peer-reviewed journals Ruth Chadwick, Bioethics, Life Sciences, Society & Policy Leonardo de Castro, Asian Bioethics Review, Dev World Bioethics

		Siri Carson, Nordic Journal of Applied Ethics	
		Kjersti Fjørtoft, Norsk Filosofisk Tidsskrift	
		S.Prakash Sethi, Journal of Business Ethics, Bus Soc Rev	
		May Thorseth, Nordic Journal of Applied Ethics	
		Alle Alvarez, panel moderator	
	12.00 – 13.00	LUNCH	
	13.15 – 15.00	Journal Editors' Panel II:	How to Measure Publication Quality
		Ruth Chadwick, Bioethics, Life Sciences, Society & Policy	
		Leonardo de Castro, Asian Bioethics Review, Dev World Bioethics	
		Siri Carson, Nordic Journal of Applied Ethics	
		Kjersti Fjørtoft, Norsk Filosofisk Tidsskrift	
		S.Prakash Sethi, Journal of Business Ethics, Bus Soc Rev	
		May Thorseth, Nordic Journal of Applied Ethics	
		Alle Alvarez, panel moderator	
	15.00 – 15.15	BREAK	
	15.15 – 16.00	Leonardo de Castro	Publication Ethics
	16:00 - 16:45	Ruth Chadwick	Approaches to Applied Ethics
	August 26- 29	Globalization PhD Course	
	Part 2: Corporate Responsibility for Global Social Issues		

	August 27, Wednesday 10.00 – 10.45 May Thorseth - Cultural diversity in governance of natural resources 10.45 – 11.30 Siri Granum Carson – Cultural and political aspects of global CSR 11.30 – 12:30 LUNCH BREAK 12.30 – 13.15 Øivind Hagen - Loosening or tightening the bindings? Implications of the Scandinavian transition from 'implicit CSR' to 'explicit CSR' 13.15 – 15.00 S. Prakash Sethi - The Wal-Mart affair – where implausible deniability is the coin of the realm Part 3: Presentation of paper proposals August 29, Friday, 13:00 - 15:00, George Ruhago, University of Bergen - Inequity in maternal and child health in Tanzania: Can human right approach play a role? John Ellis*, NTNU, Trondheim - IMTA: A global CSR strategy for Norway's salmon farming industry? John Barugahare, University of Bergen - Conceptualizing Obligations for Global Justice: Making Sense of the Debate between Cosmopolitanism and Statism Lilybeth Centeno-Lumagbas, Athena Institute, Free University of Amsterdam - Non - Communicable Diseases and Women in Some Slum Communities in Chennai and Mumbai India and the Philippines Lalaine Siruno, 3TU Centre for Ethics, Delft University - The Role of Needs in the Achievement of Capabilitiesof the Scandinavian transition from 'implicit CSR' to 'explicit CSR'

	Noémie Aubert Bonn, KU Leuven - Which academic integrity guidance should be observed and who has the authority to deal with scientific misconduct? Anastasia Tkalich, NTNU - Denationalization and self-identity. The sources of moral legitimacy within globalization Mathias Arnesen, NTNU Department of Mathematical Sciences - The relation between theoretical mathematics and globalization/cultural conflicts/ethics Hillevi Strand, NTNU Department of Sociology and Political Science – Migrant workers in the Norwegian Fishing Industry
Activity	CROSSOVER RESEARCH WORKSHOP 2
Date	September 8-9, Medical Faculty MTS11, NTNU
Leader	Rune Nydal
Theme/topic	Knowledge Management and the Futures of our Society
	Visions of Systems Biology carry hopes of understanding biology better thereby enabling the improvement of a range of practices within our society. In particular, systems biology holds promises for enhancing the health sector and being an essential approach towards personalized medicine. Innovative interdisciplinary collaborative structures as well as experimental and computational infrastructures are needed if any of these visions are to come to fruition. This satellite focuses on the building of knowledge management (KM) structures, broadly understood as computing systems built to collect, make sense of and reason about information of biological parts and their dynamic interactions. We are interested in questions like the following: Systems biology (SB) begs for new modalities for the publication of results: What are the drawbacks of the current way of publishing and how can we enable a productive scientific discourse in systems biology? How can/should desired research issues and answers steer appropriate KM development? What are the scientific and epistemic challenges in building KM for SB?

	Which choices were made that resulted in the current KM infrastructure and the research issues and answers that are favored by this infrastructure? What are the ramifications for biotechnology and health sectors that make use of these KM infrastructures? How can interdisciplinary work contribute? How should it be conducted to address challenges related to SB enabling and shaping other sectors, such as the health sector? We invite participants to identify and discuss key past and present choices made in designing knowledge management systems with respect to the need to ensure the effectiveness and appropriateness for research (like systems biological or medical research questions). The workshop brings together scholars from the humanities as well as the natural sciences. **PROGRAM:** Monday September 8 i. Setting the stage: Tragedy of the knowledge commons Rune Nydal, Sophia Efstathiou, Astrid Lægreid, Martin Kuiper 10:00 - 10:30 iii. Ontologies and practical applicability (Chair: Martin Kuiper) Bernard De Bono: Knowledge vs scale 10:30 - 11:15 Stefan Schulz: Realism vs pragmatism 11:15 - 12:00 Lunch 12:00 - 13:00 ii. Computers, reasoning and collaboration (Chair: Rune Nydal) Miguel Garcia Sancho: The database as a space of convergence: a history of the practices and professionals behind the first DNA sequence bank 13:00 - 13:45 Martin Kuiper: Augmenting the human brain 13:45 - 14:30 Sophia Efstathiou:Knowledge management as knowledge transformation 14:30 - 15:15 Coffee Break 15:15 - 15:45 iii. Discussion (Chair: Annamaria Carusi) 15:45 - 17:00 Tuesday September 9 i. Knowledge management and Validity (Chair: Astrid Lægreid) Tim Clark: Scientific Reproducibility, the Web of Argument and the Web of Data 09:00 - 09:45 Annamaria Carusi: Scientific Community and eScholarship: A socio-philosophical perspective 09:45 - 10:30

	Coffee Break 10:30 - 11:00 ii. Big science, social organization and Ethos (Chair: Sophia Efstathiou) Astrid Lægreid: Knowledge management, systems biology and big science 11:00 - 11:30 Rune Nydal: Ethos of systems biology as big science 11:30 - 12:00 Lunch 12:00 - 13:00 Roger Brent: Is there anything that academic social scientists have to say about how science operates that scientists can use? 13:00 - 13:45 iii. Closing Discussion (Chair: Rune Nydal) 13:45 - 15:00
Project year 2015	
Activity	PhD Forum 3: Practical Philosophy
Date	20-21 May 2015, Trondheim
Leader	
Theme/topic	Practical philosophy
	This is the 3rd PhD Forum of the ISP-FIDE project. For this final workshop, participants will discuss papers that address general, conceptual and theoretical problems in normative ethics, metaethics, value & decision theory, philosophy of action and political philosophy. The aim of the workshop is to gather young scholars in the Nordic region working in practical philosophy, broadly conceived. We invite papers in all areas of practical philosophy: normative ethics, applied ethics, value theory, metaethics, political philosophy, the philosophy of action and decision theory. Confirmed speakers Gunnar Björnsson (Umeå) Henrik Andersson (Lund) Andreas Christiansen (Copenhagen) Sem de Maagt (Utrecht) Sveinung Sivertsen (Bergen) Krister Bykvist (Stockholm) Ivar Labukt (Tromsø & Bergen)

PROGRAM:

May 20, Wednesday

12:30 – 13:30 LUNCH

14:00 – 14:45 Gunnar Björnsson (Umeå) - **Manipulators, parasites and generalization arguments**

14:45 – 15:00 Discussion

15:00 – 15:15 Break

15:15 – 15:45 Henrik Andersson (Lund) & Morten Dahlback (NTNU) **A Puzzle Regarding Value Comparisons**

15:45 – 16:00 Discussion

16:00 – 16:30 Andreas Christiansen (KU) - **Reasons holism and case based ethical reasoning**

16:30 – 16:45 Discussion

19:00 Dinner

May 21, Thursday

09:15 – 09:30 Main Conference Opening

09:30 – 10:15 Keynote Lecture 1

10:15 – 10:30 Break

10:30 – 12:00 Parallel sessions A

12:00 – 13:00 LUNCH

13:00 – 13:45 Keynote Lecture 2

13:45 – 14:00 Break

14:00 – 15:30 Session 2 concurrent with Parallel sessions B of Main Conference

Sem de Maagt (Utrecht University) - **Reflective Equilibrium and Moral Objectivity** doi:10.1080/0020174X.2016.1175377

Sveinung Sivertsen (University of Bergen) - **Ethical impartiality, scientific objectivity**

15:30 – 15:45 Break

15:45 – 17:15 Session 3 concurrent with Parallel sessions C of Main Conference

	Krister Bykvist (Stockholm University) - 'They smiled at the good and frowned at the bad'. The fitting attitude analysis of value reconsidered Ivar Labukt (Tromsø & Bergen) Evolutionary debunking arguments: a threat to egoism or impartialism? 17:15 – 17:30 Break 17:30 – 18:15 Keynote Lecture 3 18:15 – 19:00 Break 19:00 Conference Dinner May 22, Friday 09:00 – 09:45 Keynote Lecture 4 09:45 – 10:00 Break 10:00 – 11:30 Parallel sessions D 11:30 – 12:30 LUNCH 12:30 – 13:15 Keynote Lecture 5 13:15 – 13:30 Break 13:30 – 15:00 Parallel sessions E 15:00 – 15:15 Break 15:15 – 16:45 Parallel sessions F 16:45 End of Main conference
Activity	Final conference
Date	21-22 May 2015, Trondheim Scandic Nidelven Hotel
Leader	May Thorseth, Allen Alvarez, Rune Nydal, Siri Granum Carson
Theme/topic	Grand challenges and our obligations to future generations
	More than ever, our actions and decisions critically affect the lives of following generations. Modern societies are rapidly transforming at a global scale due to combined effect of population growth, economic and technological shifts putting unprecedented pressure on natural resources and the environment. In what way does the imperative of sustainable development translate into responsible action?

	And how should the ethics research communities (broadly understood as an interdisciplinary field) respond to the grand challenges of our time? This conference invites researchers to present their analysis of urgent topics and solutions. The conference focuses on three topics: Governance of natural resources: As a result of unstable food prices, rich countries and international companies are buying or renting arable land in poorer countries, both in order to secure access to food and for purposes of profitable investments. This so-called land grabbing raises concerns about food security and the future of farming in the countries where land is turned over. In general: How should renewable and non-renewable resources at land and sea be controlled and governed? How does the access to natural resources influence institutions and politics nationally and internationally? These questions concern both the relation between rich and poor countries and between present and future generations. Conflicts could easily be perceived between the aims of sustainable development and poverty eradication. Socially responsible investing and business operations: The Norwegian Government Pension Fund – Global is the world's largest sovereign wealth fund and a major actor in the global finance market. The fund defines its ethical commitments as consisting of 1) Economic responsibility towards future generations of Norwegians, and 2) A responsibility to avoid complicity in socially and environmentally harmful business. How are these obligations to be perceived and balanced? More generally: To what degree are powerful corporations and investors responsible for addressing global challenges such as climate change, population growth or fair distribution? Normative dimensions of technology: How should university priorities locally relate to grand global challenges? This is one of the questions that follow from NENT's (Norwegian National Committee for Research Ethics in Science and Technology) recent statement of the role and place of petroleum research in university structures, stating that petroleum research is ethically indefensible if the total effect of such activity hinder societal transition processes towards renewable energy platforms. How are such so-called 'broad' research ethical issues to be handled within university structures and what should be the role of ethics research? Given the social transformative powers of technology, how are priority settings to be settled? What are the most urgent tasks for ethics research? **PROGRAM:** May 20, Wednesday — *PhD Forum 3*

14:00 – 16:45			Practical Philosophy Session 1
May 21, Thursday (Day 1)			
09:15 – 09:30	Opening		
09:30 – 10:15	Keynote Lecture 1:	Ruth Macklin	(Room: Møllenberg)
10:15 – 10:30	Break		
10:30 – 12:00	Parallel sessions A		
	A1 (Møllenberg)	A2 (Leangen gård)	A3 (Munkholmen)
12:00 – 13:00	LUNCH		
13:00 – 13:45	Keynote Lecture 2:	Ole Frithjoft Norheim	(Room: Møllenberg)
14:00 – 15:30	Parallel sessions B		
	B1 (Møllenberg)	B2 (Leangen gård)	Practical Philosophy Session 2 (Munkholmen)
15:30 – 15:45	Break		
15:45 – 17:15	Parallel sessions C		
	C1 (Møllenberg)	C2 (Leangen gård)	Practical Philosophy Session 3 (Munkholmen)
17:15 – 17:30	Break		
17:30 – 18:15	Keynote Lecture 3:	Ove Jakobsen	(Room: Møllenberg)
18:15 – 19:00	Break		
19:00	Conference Dinner		

May 22, Friday (Day 2)			
09:00 – 09:45	Keynote Lecture 4:	Kerri Woods	(Room: Møllenberg)
09:45 – 10:00	Break		
10:00 – 11:30	Parallel sessions D		
	D1 (Møllenberg)	D2 (Leangen gård)	D3 (Munkholmen)
11:30 – 12:30	LUNCH		
12:30 – 13:15	Keynote Lecture 5:	Peter-Paul Verbeek	(Room: Møllenberg)
13:15 – 13:30	Break		
13:30 – 15:00	Parallel sessions E		
	E1 (Møllenberg)	E2 (Leangen gård)	E3 (Munkholmen)
15:00 – 15:15	Break		
15:15 – 16:45	Parallel sessions F		
	F1 (Møllenberg)	F2 (Leangen gård)	F3 (Munkholmen)
16:45	End of conference		

PARTICIPANTS:
Plenary speakers
Ove Jakobsen (Nordland)
Ruth Macklin (AECM)
Ole Frithjof Norheim (Bergen)
Peter-Paul Vebeek (Twente)
Kerri Woods (Leeds)

Parallel session speakers and other participants
Allen Alvarez (NTNU)

	Kristian Alm (BI) John Barugahare (Bergen) Hilde Bjørkhaug (Centre for Rural Research) Gerhard Bos (Utrecht) Rita Bouman (NTNU) Karin Buhmann (CBS) Siri Carson (NTNU) Annamaria Carusi (Copenhagen) Lilybeth Centeno-Lumagbas (Amsterdam) Andreas Christiansen (Copenhagen) Peter Danielson (UBC) Giovanni De Grandis (NTNU) Malgorzata Dereniowska (Aix-Marseille University) Clemens Driesen (Wageningen UR) Melina Duarte (UiT) Sophia Efstathiou (NTNU) Lin Olderøien Elvegård (NTNU) Magnus Frostenson (Örebro) Bente Jessen Graae (NTNU) Oivind Hagen (BI) Hin Hoarau Heemstra (Nordland) John Hermansen (NTNU) Adrian-Paul Iliescu (Bucharest) Matthias Kaiser (Bergen) Alse Kiran (NTNU) Haley Knudson (NTNU) Reidar Lie (Bergen) Jasper Littmann (Kiel) Kjartan Koch Mikalsen (UiN) Per-Erling Movik (NTNU) Sofia Moratti (EUI) Bjørn Kåre Myskja (NTNU) Frida Ngalesoni (Bergen) Rune Nydal (NTNU)

	Rita Oliveira (NTNU) Jakob Dahl Rendtorff (Roskilde) Juan Miguel Rey Pino (Granada) Johanna Romare (LiU) Kjetil Rommetveit (Bergen) Lisa Sandal (NTNU) John-Arne Skolbekken (NTNU) Berge Solberg (NTNU) Joachim H. Spangenberg (UFZ) Hermann Køhn Sæther (NTNU) Harald Stelzer (Graz) Fei Teng (Utrecht) May Thorseth (NTNU) Anastasia Tkalich Lars Ursin (NTNU) Gry Wester (Bergen) Heidrun Åm (NTNU)

EAK Research Network Cooperation Trondheim/Düsseldorf: Ethics- Knowledge- Aesthetics

Project Year 2014	
Activity	INTERNATIONAL WORKSHOP (Ethics - Knowledge - Aesthetics Research Network)
Date	15-16 May 2014, NTNU Dragvoll Låven Room DL 145, Trondheim
Organization & funding	Prof. May Thorseth, NTNU Globalization Programme and NTNU Programme for Applied Ethics Prof. Timo Skrandies, Institute for Art History, HHU Düsseldorf (Germany)
Theme/topic	Dilemmas of Sustainability
	During the last years "sustainability" has become a key concept within the debates on climate change and the anthropocene. For the interest in a green future the concept of sustainability plays a role as fundamental as „globalization" is for the social, political and cultural changes of our world and as „digitalization" is for the new media realities. Nevertheless "sustainability" is not a new or even just trendy labeling since its global emergence during the UNCED 1992 in Rio de Janeiro. Historically seen sustainable practice has a quite long tradition – not least in agriculture and forestry of the 19th century sustainability meant the equivalence of breeding and use. In early 2014 NTNU launched its new research area "Sustainable Development". In this context our workshop will explore and discuss some dilemmas or antinomies going along with the interest in a sustainable development. For the interrelations of human culture, biosphere, noosphere and technosphere seem to be far too complex for simple descriptions. Thus to claim the necessity of a sustainable development (like in the discourse on climate change) is not the answer to, but just a starting point of the circumstances we live in. The dilemmas/antinomies we think of are touching ethical questions as well as aesthetic conditions and dispositivs of knowledge: how to relate the necessity to act now with the lack of knowledge about future consequences of our today's decisions; what is it to act responsible in today's circumstances as well as with regard to future generations; how can we realize justice in the asymmetry of local and global/intercultural environments; which impact does the visualization and medialisation of the biosphere and nature have to our "Weltbild"; how can we anyway visualize the complexity of and our knowledge on sustainable developments. Included in this is also discourses on sustainability (cf. Promethean and Survivalist views).

Thursday, 15 May 2014 Dragvoll Låven Room DL 145

10.00-10.15	May Thorseth and Timo Skrandies	*Introduction*
10.15-11.15	Dieter Birnbacher	*Sustainability - the psychological Dilemma*
11.15-11.30	Coffee break	
11.30-12.30	May Thorseth	*Democratic Governance - An Obstacle to Sustainable Development?*
12.30-13.30	Lunch break	
13.30-14.30	Timo Skrandies	*Sustainability in the Anthropocene – Dilemmas of Knowledge and Possibilities of Art*
14.30-15.30	Synnøve Marie Vik	*Imagined Sustainability: Statoil's Arctic Petro-narratives*
15.30-16.00	coffee + summary of the first day	

Friday, 16 May 2014 **Dragvoll Låven Room DL 145**

10.00-10.15	Introduction	
10.15-11.15	Davide Brocchi	*The human Limits to Growth*
11.15-11.30	coffee break	
11.30-12.30	Luca Finocchiaro:	*Architecture and the aesthetic Dimension of Science*
12.30-13.00	coffee + *summary*	*and perspectives*

Speakers

- Dieter Birnbacher, Prof. Dr., *Department of Philosophy, Heinrich-Heine-Universität Düsseldorf*
- May Thorseth, Prof. Dr., Department of Philosophy, NTNU Trondheim
- Timo Skrandies, Prof. Dr., Department of Art History, Heinrich-Heine-Universität Düsseldorf
- Synnøve Marie Vik, M.A., Department of Information Science and Media Studies, University of Bergen

	• Davide Brocchi, M.A., Department of Art History, Heinrich-Heine-Universität Düsseldorf • Luca Finocchiaro, Assoc. Prof. Dr., Department of Architectural Design, History and Technology, NTNU Trondheim
Project year 2013	
Activity	INTERNATIONAL WORKSHOP
Date	5 December 2013, NTNU Dragvoll, Trondheim
Organization & funding	May Thorseth, NTNU Globalization/Applied Ethics Timo Skrandies, Institute for Art History, HHU Düsseldorf (Germany)
Theme/topic	Image and knowledge – between aesthetics, epistemology and ethics
	Knowledge can be understood in several ways. Often the notion is connected to various forms of representing or "mirroring" the world or it is understood instrumentally: "knower is power" – or as a combination of the two. Knowledge in a more pragmatist perspective means something like "coping" or "finding one's way about" in the world. In an even wider sense it can cover also ways of opening the world, giving it form and placing ourselves in it. In any case, knowledge is never something objectively "given" but always formed and transformed by processes of reflection (or: reflective processes). In such processes images play an increasingly important role. In the workshop Image and Knowledge we will explore the role of images in building and expressing knowledge, in learning processes in the widest sense of the word. The notion of images here are also interpreted in the widest possible sense, covering among other things, scientific pictures, artworks, mappings and sketches of all kinds. Both from a historical and a contemporary perspective aesthetics, ethics and knowledge are mutually dependent and intertwined in ways that is worthwhile to explore through a focus on images. We are particularly interested in possible connections between images and knowledge that can make us cope better in a globalized world and in working for a sustainable future. **Program** 10.00-10.15 Introduction 10.15-11.00 Bengt Molander "Ways of Seeing/Ways of Worldfinding" 11.15-12.00 Ingebjørg Seip "Bildet, erkjennelsens situerthet og naturens blikk tilbake" 12.00-13.00 Lunch

	13.00-13.45 Ståle Finke "Presence in Imitation – Merleau-Ponty on Children's Drawings" 14.00-14.45 Timo Skrandies "Visualization/Knowledge – some remarks on the 'optical unconscious'" 15.00-16.00 Prospects for future workshops/cooperation/research 19.00 Dinner in town
Activity	RESEARCH LABORATORY II
Date	30-31 May 2013, Trondheim
Leaders	May Thorseth (Trondheim), Timo Skrandies (Düsseldorf)
Theme/topic	Ethics - Knowledge - Aesthetics
	Within the research context of NTNU's "Globalisation Programme/Intercultural Dynamics" and "Programme for Applied Ethics" some of us met in December 2012 at the Filosofisk Institutt. The plan for this first come together meeting in the form of a "research laboratory" was to establish a field of research within the theoretical frame of "Ethics-Aesthetics-Knowledge". Our working method was to focus on the process of thinking and discussing to find links between us and our research interests. We found some strong links between aspects of globalization, responsibility, visual cultures, media aesthetics, sustainability, knowledge and even the technical and the artistic sides of biotechnologies. This was and still is a wide range of perspectives and we hope and think that our upcoming "research laboratory II" (30/31 May) will result in both further contributions of concepts, theoretical perspectives, research paradigms and methodological frameworks on the one hand and more focused ideas on research designs and possible project applications on the other hand. For the "research laboratory II" in May we are especially looking forward to have some more "aestheticians" sitting at the table, sharing their knowledge on aesthetic, media and visual cultures with us.
Project year 2012	
Activity	RESEARCH LABORATORY I
Date & place	13-14 December 2012, Trondheim
Leaders	May Thorseth (Trondheim), Timo Skrandies (Düsseldorf)
Theme/topic	Ethics - Knowledge - Aesthetics
	We are interested in the manifold relations and tensions of Ethics - Knowledge - Aesthetics. And - of course - we don't want to work on it on our own - our idea is to build up a research group together.

	A first come together in form of a "research laboratory" is scheduled for the 13. and 14. December 2012. In October we will come up with some more detailed information on the "come together" meeting.

Eco-values as product quality attributes in manufacturing of agricultural food ingredients

(project information page hosted by PAE)

The Norwegian food producers and industry is of great importance to the national economy in terms of production volume, value creation and employment. The food industry faces major challenges in the years to come e.g. WTO negotiations, the high level of costs compared to the competitors, and changes in quality, contents, health aspects, ethical dimensions, and energy efficiency.

One factor that will impact future demand for Norwegian food is changing goals, values and preferences amongst emerging groups of consumers. Worldwide, a growing demand for "green", "healthy" and "ethically produced" (i.e. eco-branded) food products is evident. To accommodate to these market changes, competition in international food markets is lately swayed such that both local and global food brand builders try to differentiate their products by including "green", "ethical" and "healthy" food ingredients.

There are a number of ethical and political challenges involved in these shifts. In our part of this project, we provide ethical analyses of such a development. In an increasingly integrated global economy, issues of food safety, production and transportation costs, control of land and global justice become sources of conflict. Environmental concerns, health issues, matters of justice in access and control, and the cultural significance of farming, are all pertinent areas of discussion.

Central research questions include:

- How does an increase in local eco-friendly food production affect our duties regarding global justice and sustainable food production?
- To what extent should the value of national and cultural traditions connected to local and regional farming be of significance in food policy?
- Should we turn towards increased local production in order to improve the conditions for trustworthy food production?

Research group members: Lars Ursin, Asle Kiran, Bjørn Myskja
Project duration: 01.01.2012 - 01.05.2015

Funding: Research Council of Norway

Rights to a Green Future Uncertainty, Intergenerational Human Rights and Pathways to Realization (ENRI-Future)

Rights to a Green Future Uncertainty, Intergenerational Human Rights and Pathways to Realization (ENRI-Future) is a Research Networking Programme funded by the European Science Foundation. The network aims to identify and analyze the questions that need to be addressed in order to determine what responsibilities we have to future generations and what the political consequences are of carrying these out. There are four working groups in this project of which May Thorseth leads Working Group 4 which investigates the main psychological and institutional obstacles to sustainable politics. For more details visit http://www.greenrights.nl/working-groups.

Activity	Globalization Research workshop
Date 6 place	June 13, Thursday 13.00 – 17.15 June 14, Friday 09.00 – 15.00
Arranged by	Globalization Programme, NTNU (prof. May Thorseth & prof. Ragnar Torvik) and ESF project Rights to a Green Future (ENRI-Future)
	Thursday 13 June, 13.00 – 17.15: Obstacles to sustainability 13.00 – 13.15 Welcome 13.15 – 14.00 Introduction Thomas Pogge 14.00 – 14.45 Marcus Düwell: «Obstacles to fair distribution of natural resources» 14.45 – 15.15 Coffee 15.15 – 16.00 Adrian-Paul Iliescu: «Entrapment as an obstacle to sustainability» 16.00 – 16.45 Ragnar Torvik: «Natural resources and institutions»

	Friday 14 June, 09.00 – 15.00: Natural resources and global justice 09.00 – 09.45 Introduction Thomas Pogge 09.45 – 10.30 Karsten Klint-Jensen: «Obstacles to sustainability: is the dominant ethical outlook biased?» 10.30 – 10.45 Coffee 10.45 – 11.30 Hilde Bjørkhaug: «Frogs, fuel, finance or food?» 11.30 – 12.00 Jennifer Bailey: «Sustainability challenges in aquaculture» 12.00 – 13.00 Lunch 13.00 – 13.30 Siri Granum Carson: «Corporate legitimacy and the governance of natural resources - the case of Statoil in Azerbaijan» 13.30 – 14.00 Espen Storli: «Nationalization and mining in Bolivia» 14.00 – 14.15 Coffee 14.14 – 14.45 Mats Ingulstad: «Permanent resource ownership in international law. A historical revisionist approach» 14.45 – 15.00 May Thorseth: Concluding remarks Additional commentators: May Thorseth, Bjørn Myskja, Allen Alvarez

Dialogues on Aquaculture Project

This project began in the fall of 2011 as a joint initiative by Professor Jennifer L. Bailey, Department of Sociology and Political Science, and Professor May Thorseth, Department of Philosophy to bring together researchers in the social sciences and humanities to discuss issues arising out of the management of natural resources.; A key area to address in the connection is the management of marine resources, particularly aquaculture.; This is an area in which NTNU is heavily engaged and for which there is strong community of research and other interests in the region.

The project has the following objectives:

1) To have a cross-disciplinary dialogue on key aquaculture issues of our day - linking the disciplines within social sciences, the humanities, natural sciences and technology;
2) To enhance involvement of social sciences and humanities in the Marine Coastal Development aspect of the Marine and Maritime Strategic Area;
3) To forge links among NTNU Strategic Areas, particularly the Globalization Strategic Area and the Marine and Coastal Development aspect of the Marine and Maritime Strategic Area;
4) To develop strong, well-anchored, cross disciplinary research projects on aquaculture;
5) To address important social, economic, ecological and technological issues and controversies;
6) To enhance the attractiveness of NTNU and participating research partners as a consortium partners with respect to international applications relating to aquaculture; and Encourage cross disciplinary publications on aquaculture themes.

This initiative is supported by Marine and Martime Technology Strategic Area and by the Globalization Strategic Area.

We plan to develop links to the European Science Foundation project Rights to a Green Future. Click HERE for more information on that project.

Workshops	
Third Workshop -	***The Values of Aquaculture: What is the price of Growth?***
	November 21 - 22, 2013, Rica Nidelven Hotel, Trondheim

	Marine aquaculture may be the single best source of future growth with respect to food production. Growth, however, carries potential risks as well as benefits. The workshop will focus on specific questions about the future growth of marine aquaculture, with special attention to the concepts of growth, value and value creation, justice and democracy and ecosystem goods and services. Planned sessions: 1. The discourses of sustainability - how do we talk about/understand the issues? a. Must growth have limits? 2. What do we mean by Growth? a. Defining our terms b. Deciding what to include c. Prioritizing values 3. Two contexts of growth (sea and soil) a. The interplay between sea and soil b. Is one better than the other? c. What are the implications of one for the other? 4. Ecosystem Goods and Services a. What is this approach? b. Aquaculture and the ecosystem c. Is this an appropriate approach 5. Organizing for Sustainability a. How do we achieve our preferred goals? b. Just distribution The workshop is being held on the eve of the startup of NTNU's two new focus areas (OTIS): Sustainable Development and Ocean Space. It is intended to build cooperation between the two OTIS's from the outset by focusing on the sustainable management of natural resources. This workshop is then inauguration of a new journey. It is also the continuation of the Dialogues project to foster synergy among various disciplines and institutions in the study of aquaculture. For more information on the Dialogues project, see our webpage at: http://www.ntnu.edu/dialogueonaquaculture Workshop Objectives:

	1. Build cooperation between the two new OTIS's from the beginning – start a long-term cooperative project that unites many existing projects, networks and interests. 2. Lay the foundation for new research projects for NFR or the EU (ERC bioeconomy, Horizon 2020, etc) 3. Strengthen the aquaculture/natural resources research community in Trondheim 4. Bring in fresh views from beyond the Trondheim environment 5. Explore new ideas and approaches For more details please contact: May Thorseth, Department of Philosophy, NTNU (may.thorseth@ntnu.no) Jennifer Bailey, Department of Sociology and Political Science, NTNU (Jennifer.bailey@svt.ntnu.no)
Second workshop	*17 April 2012*
First workshop	*3 October 2011*

Crossover Research. Well constructed systems biology Project

Funding: The Research Council of Norway - ELSA Programme

Duration: 2010 – 2014

Project manager: Rune Nydal

Project summary:

Crossover Research has been funded by the Norwegian Research Council to develop arenas for learning processes between Ethical Legal and Social Aspects (ELSA) research and researchers in technology and natural sciences, in this case biology, medicine and computer science. By engaging in the development of the increasingly important field of systems biology applied to cancer research, the project responds to our need to understand and organise emerging biotechnologies. A focus of this project is to make more manifest what types of skills are necessary in order to carry out interdisciplinary, interactive projects. By integrating researchers and by combining perspectives from the social sciences, natural sciences and technology the project aims at examining and improving the viability of systems biology research. The participants of the integrated project are motivated by the goal to search for epistemic and acceptable ethical-political conditions for realization of a systems biology in the context of meeting urgent societal needs. This constructive goal enables real-time reflection on the interactions between the partners in the integrated project and on its consequences, mapping how mutual learning processes are stimulated or how they fail. By combining resources from people who for many years have worked in integrated projects where STS and applied ethics approaches is merged with biotechnology and systems biology, the project provides a uniting framework critically pursuing time-consuming interdisciplinary work.

CROSSOVER 1.0 - Crossover Research: Well-constructed Systems Biology

Crossover Research has been funded by the Norwegian Research Council to develop arenas for learning processes between Ethical Legal and Social Aspects (ELSA) research and researchers in technology and natural sciences, in this case biology, medicine and computer science.

By engaging in the development of the increasingly important field of systems biology applied to cancer research, the project responds to our need to understand and organise emerging biotechnologies. A focus of this project is to make more manifest what types of skills are necessary in order to carry out interdisciplinary, interactive projects. By integrating researchers and by combining perspectives from the social sciences, natural sciences and technology

the project aims at examining and improving the viability of systems biology research. The participants of the integrated project are motivated by the goal to search for epistemic and acceptable ethical-political conditions for realization of a systems biology in the context of meeting urgent societal needs. This constructive goal enables real-time reflection on the interactions between the partners in the integrated project and on its consequences, mapping how mutual learning processes are stimulated or how they fail. By combining resources from people who for many years have worked in integrated projects where STS and applied ethics approaches is merged with biotechnology and systems biology, the project provides a uniting framework critically pursuing time-consuming interdisciplinary work. Crossover 2.0 extend the Crossover 1.0 project in focusing on Knowledge Management discussed in Workshop 2.

WORKSHOP 2014 - Knowledge Management and the Futures of our Society
– September 8-9, Medical Faculty MTS11, NTNU

Programme

Visions of Systems Biology carry hopes of understanding biology better thereby enabling the improvement of a range of practices within our society. In particular, systems biology holds promises for enhancing the health sector and being an essential approach towards personalized medicine. Innovative interdisciplinary collaborative structures as well as experimental and computational infrastructures are needed if any of these visions are to come to fruition.

This satellite focuses on the building of knowledge management (KM) structures, broadly understood as computing systems built to collect, make sense of and reason about information of biological parts and their dynamic interactions.

We are interested in questions like the following:

Systems biology (SB) begs for new modalities for the publication of results: What are the drawbacks of the current way of publishing and how can we enable a productive scientific discourse in systems biology?

How can/should desired research issues and answers steer appropriate KM development? What are the scientific and epistemic challenges in building KM for SB?

Which choices were made that resulted in the current KM infrastructure and the research issues and answers that are favored by this infrastructure? What are the ramifications for biotechnology and health sectors that make use of these KM infrastructures?

How can interdisciplinary work contribute? How should it be conducted to address challenges related to SB enabling and shaping other sectors, such as the health sector?

We invite participants to identify and discuss key past and present choices made in designing knowledge management systems with respect to the need to ensure the effectiveness and appropriateness for research (like systems biological or medical research questions). The workshop brings together scholars from the humanities as well as the natural sciences.

Invited Speakers

Roger Brent PI of Brent Lab and co-Director of the Future of Humanities Institute. Member of the Basic Science Division at the Fred Hutchinson Cancer Research Center. Former Director and President of the Molecular Sciences Institute

Tim Clark Director of Bioinformatics, MassGeneral Institute for Neurodegenerative Disease & Co-Director, Data Management and Statistics Core, Massachusetts Alzheimer's Disease Research Center & Assistant Professor of Neurology, Harvard Medical School

Bernard De Bono Principal Research Fellow, Farr Institute, UCL, UK; Principal Investigator, Auckland Bioengineering Institute, NZ

Stefan Schulz Professor for Medical Informatics at Medical University Graz, Austria

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Monday September 8

i. Setting the stage: Tragedy of the knowledge commons

Rune Nydal, Sophia Efstathiou, Astrid Lægreid, Martin Kuiper	10:00 - 10:30

iii. Ontologies and practical applicability (Chair: Martin Kuiper)

Bernard De Bono: *Knowledge vs scale*	10:30 - 11:15
Stefan Schulz: *Realism vs pragmatism*	11:15 - 12:00
Lunch	12:00 - 13:00

ii. Computers, reasoning and collaboration (Chair: Rune Nydal)

Miguel Garcia Sancho: *The database as a space of convergence: a history of the practices and professionals behind the first DNA sequence bank*	13:00 - 13:45
Martin Kuiper: *Augmenting the human brain*	13:45 - 14:30

Sophia Efstathiou: *Knowledge management as knowledge transformation*	14:30 - 15:15
Coffee Break	15:15 - 15:45
iii. Discussion (Chair: Annamaria Carusi)	15:45 - 17:00

Tuesday September 9

i. Knowledge management and Validity (Chair: Astrid Lægreid)	
Tim Clark: *Scientific Reproducibility, the Web of Argument and the Web of Data*	09:00 - 09:45
Annamaria Carusi: *Scientific Community and eScholarship: A socio-philosophical perspective*	09:45 - 10:30
Coffee Break	10:30 - 11:00
ii. Big science, social organization and Ethos (Chair: Sophia Efstathiou)	
Astrid Lægreid: *Knowledge management, systems biology and big science*	11:00 - 11:30
Rune Nydal: *Ethos of systems biology as big science*	11:30 - 12:00
Lunch	12:00 - 13:00
Roger Brent: *Is there anything that academic social scientists have to say about how science operates that scientists can use?*	13:00 - 13:45
iii. Closing Discussion (Chair: Rune Nydal)	13:45 - 15:00

WORKSHOP 2012 - The Ethos of Integrative Research: The case of systems biology

It now seems to be accepted, or at least not especially controversial, that large-scale, socially relevant science projects should include or "integrate" social and humanist research. Initiatives for such, integrative, research include the Human Genome Project in the US and EU Framework Programmes, as well as Biotek 2021 and Nano 2021 in the Norwegian context.

This general agreement is surprising. Proponents' analyses of why such integration is needed are not uniform, nor clearly articulated, and there are few worked-out methods or exemplary cases for how integration is to be carried out. This two-day workshop invites participants from different experiments of integration in order to create an arena where methods and rationales can be further discussed. Through this discussion we examine:

What is the ethos of integrative research?

What character of research is formed and manifested through its practices (be they related to ethics or epistemology), and what are its actual and envisioned moral implications? What is experienced as good, or worth doing by practitioners experimenting on integration?

We focus discussion by examining the work of differently integrated systems biology research groups in Norway and abroad, and we also invite researchers experimenting on integration in different science arenas to join us.

Invited speakers:

Kevin Burrage (Oxford University, Center for Integrative Systems Biology and Computer Science)

Annamaria Carusi (Copenhagen University, Philosophy and Health Sciences)

Dorothy Dankel (University of Bergen, Centre for the Study of the Sciences and the Humanities)

Sophia Efstathiou (NTNU, Philosophy)

Martin Kuiper (NTNU, Biology)

Astrid Lægreid (NTNU, Cancer and Molecular Medicine)

Bjørn Myskja (NTNU, Philosophy)

Rune Nydal (NTNU, Philosophy)

Roger Strand (University of Bergen, Centre for the Study of the Sciences and the Humanities)

Heidrun Åm (NTNU, Interdisciplinary Studies of Culture)
Norwegian University of Science and Technology

Program:

Sunday 25th November, 20.00: Pre-workshop dinner

Monday 26th November
11:30 - 13:00 Lunch
13:00 - 13:10 Opening words: Ethos of integration (Rune Nydal/ Sophia Efstathiou)
13:10 - 13:40 Rune Nydal - Seeking integration for different professional reasons
13:40 - 14:20 Martin Kuiper - The emergence of semantic systems biology
14:20 - 14:40 Coffee break
14:40 - 15:20 Sophia Efstathiou - How we manage to manage knowledge
15:20 – 16:00 Kevin Burrage - Nonstandard modelling and simulation for the life sciences: science on the boundaries
16.00 - 16.20 Coffee break
16.20 - 17.00 Roger Strand - "Crossing the Styx." An attempt at doing a social critique of biology from within biology
17.00 - 17.30 Lars Ursin - The empirical ethicist
17.30 - 18.30 Discussion (Chair: Bjørn Myskja)
19.30 Workshop dinner at Rica Nidelven Hotel

Tuesday 27th November
08.30 - 09.00 Heidrun Åm - New materials in solar technology: What can social science contribute in the laboratory?
09.00 - 09.30 Bjørn Myskja - Genetically and ethically modified strawberries: learning by doing
09.30 - 09.50 Coffee break
09.50 - 10.30 Annamaria Carusi - 'Integrated research in cardiac modelling: pleasures and pains'
10.30 - 11.10 Dorothy Dankel - The "Reflexive Systems Biology" Project: act small, aim big
11.10 - 11.30 Coffee break
11.30 - 12.10 Astrid Lægreid - Why systems biology is more rewarding to do with philosophers on board
12.10 - 12.40 Berge Solberg - Incidental value of integrative research – a true story

12.40 - 13.00 Discussion
13:00 - 13.50 Lunch
13.50 - 14.30 Giovanni De Grandis - Values and ethos in integrative research: the cases of public health and city planning
14.30 - 15.00 Asle Kiran - The embedded philosopher/ethicist. Experiences from the Netherlands
15.00 - 15.10 Coffee break
15.10 -16.00 Closing discussion (Chair: Sophia Efstathiou)

Paper abstracts:

'Integrated research in cardiac modelling: pleasures and pains'
by Annamaria Carusi, University of Copenhagen and NTNU
This paper describes my experience of integrated research in the context of cardiac modelling. I will describe my long history with this group from the perspective of teacher, sociologist, 'philosopher of science in practice' and collaborator and co-author, bringing to this experience reflection on personal situations, disciplinary cultures and institutional settings.

The "Reflexive Systems Biology" Project: act small, aim big
by Dorothy J. Dankel, University of Bergen
Do you co-produce interdisciplinary knowledge? We do. The "Reflexive Systems Biology" project at University of Bergen (Norway) has a core team consisting of a biologist (Dorothy Dankel) and a social scientist (Ana Delgado). The over-arching objective and theme of the three year project is being "reflexive" in all aspects of conducting systems and synthetic biology. This is a impressive objective, but we took some simple approaches. To address this objective, Dorothy and Ana developed a philosophy of identifying labs with scientists who were genuinely curious about exploring their systems/synthetic biology "outside" the lab and asking if they would collaborate within our project. Our collaboration starts in their labs where we are allowed to interact with the scientists. After gaining respect and trust, we host dialogue sessions where we create a new, legitimate room for scientists to "open-up" and talk and imagine their scientific products (i.e. engineered vaccines at Arizona State University, talking bacteria at University of Valencia Biocampus) outside the lab. Besides the co-production in the form of co-authored published papers, our "organic" approach to the integrative ethos in research has initiated and produced dramatic short film, a competitive holistic (a synthetic biology project “Talking Life” by graduate students that combines wet lab work, human practices and mathematical modeling) in the 2012 iGEM competition in Amsterdam and, naturally, international friendships. BIO: A native of Indiana, USA, Dorothy Dankel has masters and PhD degrees from the University of Bergen (Norway) in marine fisheries biology and management and an undergraduate degree from Hillsdale College (Michigan) in biology and French. During her PhD work in Norway, Dorothy explored quantitative integrated bio-socio-economic assessments as a way to reconcile stakeholder differences and promote sustainable management and governance of natural renewable resources. Today, Dorothy researches sociological and ethical considerations in synthetic and systems biology through reflexive thinking and dialogue with scientists and focus groups in the Reflexive Systems Biology project, financed by the Norwegian Research Council.

How we Manage to Manage Knowledge
by Sophia Efstathiou, NTNU
This paper is a real-time reflection about a knowledge-management effort in systems biology at NTNU. Knowledge, what it is and how we get it, intensely preoccupy philosophers and scholars of science. In the systems biology picture, "knowledge" is often understood as already available, deposited in publications, yet inaccessible: lying dormant in texts that few have the time to read, disguised under labels that few have the ability to decipher. The term "knowledge-management" is used to describe the choices made to select and organize the results of often parallel, multi-level and inter-disciplinary research in systematic ways and to do so transparently. Such large-scale science efforts call for both people and their creations to properly create and get organized behind some (at least partly) common vision or standard. But at what cost and to whose benefit? I focus on the work of our systems biology team at NTNU. I examine both wet lab and dry lab ends of this process, talking to the humans in between, to investigate our team's attempts to manage knowledge.I argue that through practices of interdisciplinary work, understandings of "knowledge" articulated differently across disciplinary boundaries and via individual practices, come face to face and challenge us to answer, what is (real, acceptable, sufficient) "knowledge"? The paper relates epistemological issues of uncertainty and rigour to questions of familiarity and trust as these all complicate procedures of managing to manage knowledge. BIO: Sophia Efstathiou is a Researcher in Philosophy at NTNU, working as a humanist with a systems biology group to explore “crossover” science and humanist research. Sophia’s background is interdisciplinary. She has a Master of Physics in Mathematics and Physics, (Warwick 2000) an MA in Philosophy (UCSD 2006) and a PhD in Philosophy and Science Studies (UCSD 2009). Her PhD explores how everyday race concepts become scientific ones and was awarded NSF and White scholarships. She did a postdoc at Southampton University working on ageing and complexity science research (2009-2011) and taught at UCSD, LSE and Southampton University. Her work appears in Studies in History and Philosophy of Biological and Biomedical Sciences, International Studies in Philosophy of Science, and Philosophy of Science.

"Crossing the Styx." An attempt at doing a social critique of biology from within biology.
by Roger Strand, University of Bergen
In our project "Reflexive Systems Biology" we make various attempts and different approaches to the challenge of integrated ELSA research. In this talk I will outline and reflect upon one such attempt in-the-making: To make a critique of biology and biology-in-society from perspective of complexity theory and theoretical biology. BIO: Roger Strand works as Professor at the Centre for the Study of the Sciences and the Humanities, University of Bergen. Originally trained as a biochemist, his field of research is uncertainty and complexity in the interface between science and society.

The empirical ethicist
By Lars Ursin, NTNU
In connection with two interdiciplinary projects on biobank ethics I was involved in focus group studies. I will briefly reflect on my experience of being the empirical ethicist - or normative social scientist - in such a setting. BIO: Lars Øystein Ursin is a Senior Researcher in the Department of Philosophy, and the Department of public health and general practice, Norwegian University of Technology and Science, Norway. PhD in Philosophy, current projects include: "The ethical basis for parental decisions regarding medical treatment of extremely premature babies", and "Eco-values as product quality attributes in manufacturing agricultural food ingredients".