Moral Emotions and Risky Technologies: Including Moral Emotions In Risk Communication And Political Decision Making

Sofia Kaliarnta

PhD student - Philosophy Department, TU Delft, The Netherlands 3TU.Centre for Ethics and Technology

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Introduction

- Common view: in decision making under uncertainty, people follow their unreflected intuitions, emotions or 'gut reactions'
- I propose a different theory of moral emotions:
- Moral emotions can be invaluable sources of insight in judging the moral acceptability of risks
- As such, risk policy should include the moral emotions of stakeholders



Technology and risks

- Technology has improved our level of wellbeing significantly
- But all technologies also have their potential downsides or risks.
- How should we decide about risky technologies?



Conventional risk management

- Risk = probability x unwanted effect
- Eg. Annual fatalities as consequence of a technology
- Cost/benefit-analysis in order to decide whether a technology is implemented
- 'Rational, objective, value neutral method'- ???

Sabine Roeser Rafaela Hillerbrand Per Sandin Martin Peterson Editors SPRINGER REFERENCE

Springer

Handbook of Risk Theory Epistemology, Decision Theory, Ethics and Social Implications of Risk

The public

- The public takes other considerations into account in determining whether a risk is acceptable:
- Fair distribution costs/benefits?
- Risky activity freely chosen?
- Available alternatives?
- Some risks can lead to enormous catastrophes, unacceptable, even if low probability



 Same concerns are shared by risk ethicists

Affect in Decision Making under Uncertainty

- Paul Slovic, Melissa Finucane and others: emotions and rationality are distinct sources of insight that have opposite tasks
- Dual Process Theory (DPT):



- System 1 is emotional, affective, intuitive, spontaneous and evolutionary prior.
- System 2 is rational, analytical, reflective and occurred later in our evolution.
- System 2 normatively superior to system
 1.
- Similar to common dichotomy emotion
 vs reason

An alternative view about emotions

- Emotions are needed for practical rationality (Aristotle, Damasio 1994, Frijda, Goldie, Nussbaum, Solomon, Roberts etc)
- Emotions are affective and cognitive at the same time
- I.e. they involve propositional attitudes and care about the object of the proposition
- 'I am afraid of nuclear energy because I fear a meltdown and I care about the environment and future generations.'
- → Features of system 1 and system 2
- → emotions fall into both systems or neither ('system 3'?)



Moral Emotions and Risky Technologies

- Emotions indispensable source of ethical insight (Roeser 2002, 2011)
- Moral emotions can be legitimate, sources of insight concerning the moral acceptability of technological risks
- Sympathy, fear, indignation, enthousiasm
- Point to morally salient aspects of technologies
- Such as risks, benefits, autonomy, fairness





Emotional deliberation approach to risk

- 2 Pitfalls in current risk politics, both based on idea that emotions are irrational (DPT)
- Technochratic pitfall :
- Ignore emotions
- system 2 (abstract rationality)
- Populist pitfall:
- Do whatever public wants
- o system 1, gut reactions

Emotional deliberation approach to risk: Towards a New Political Philosophy of Risk

- Instead, I propose:
- Emotional deliberation approach to risk (system 3)
- Take emotions as starting point of discussion
- Including moral emotions in risk politics and risk communication:
- Morally better political decisions about risks and
- Better understanding between laypeople and experts