

IGS

INSTITUTE FOR INNOVATION
AND GOVERNANCE STUDIES



INTERNATIONAL CONFERENCE

TENTATIVE GOVERNANCE IN EMERGING SCIENCE AND TECHNOLOGY

ACTOR CONSTELLATIONS, INSTITUTIONAL
ARRANGEMENTS AND STRATEGIES

28TH-29TH OCTOBER 2010



UNIVERSITY OF TWENTE.

Thursday, 28 October 2010

08:30	Registration Ravelijn Entrance Hall
09:30	Ed Brinksma (Rector Magnificus University of Twente) Kees Aarts (Scientific Director IGS) Dave Blank (Scientific Director MESA+)
09:50	Stefan Kuhlmann (on behalf of the organizers) Tentative Governance in Emerging Science and Technology
10:10	Andrea Bonaccorsi The Governance of Science and Technology in Fast Moving Fields: Issues from Going Beyond the Human Scale Chair: Stefan Kuhlmann
10:45	Short Break
11:00	Parallel Sessions I
	<p>Mediation in Innovation Systems <i>Chair: Roel Nahuis RA1501</i> - <i>Van Lente, Boon & Klerkx</i>: Tentative positions: the positioning of intermediary organisations in the context of emerging technologies - <i>Dalohoun, Van Mele, Bengaly, Dugue, Huat & Senou</i>: Multi-stakeholder platforms to stimulate innovation system learning: experiences of sustainable and integrated exploitation of inland valleys in Benin and Mali - <i>Klerkx & Leeuwis</i>: Establishment and embedding of innovation brokers at different innovation system levels</p>
	<p>Has Governance Become More Tentative? <i>Chair: Paul Benneworth RA2501</i> - <i>Benninghoff, Braun, Gorga & Ramuz</i>: The Swiss public research system: between conservatism and innovation - <i>Hedmo & Engwall</i>: Changing governance and authority relations in the Swedish public research system - <i>Laudel & Enders</i>: "Steering from a distance" or "too close for comfort"? How Dutch university governance reforms influence career systems and individual research lines - <i>Gläser, Lettkemann & Schimank</i>: Tentative governance in Germany: too little, too late?</p>
	<p>Limits and Implementation of (Regulatory) Governance <i>Chair: Bärbel Dorbeck-Jung RA2502</i> - <i>Lyll</i>: The limits to governance - <i>Murdock, Stemerding & Van der Meulen</i>: Biosecurity regimes and the rise of synthetic biology - <i>Vikolainen, Bressers & Lulofs</i>: Integrated nature design: lessons from the Veluwe border lakes in The Netherlands</p>
	<p>Reflection on Concepts: Governance & Innovation <i>Chair: Rob Hoppe RA2504</i> - <i>Stegmaier</i>: Governance in action-continual permutations of practices and structures. The example of society and genomics intermediaries - <i>Borrás</i>: Types of policy learning in innovation policy: addressing systemic problems - <i>Edler</i>: Towards understanding the emerging governance marble cake in multi-level European R&D funding</p>
	<p>Long-term Perspective and International Comparison <i>Chair: Fokko Jan Dijksterhuis RA2503</i> - <i>Cozzens, Soumonni & Woodson</i>: Building equity and equality into emerging technologies: Preliminary Observations on Nanotechnologies in the Global Economy" - <i>Scordato, Klitkou & Pedersen</i>: The emergence of a "global challenge" policy priority: an analysis of Scandinavian countries' S&T policy responses to climate change - <i>Heimeriks</i>: Governing search regimes. Towards a co-evolutionary model of research, science, and society</p>
12:30	Ravelijn Entrance Hall Lunch and Poster Session
13:30	Parallel Sessions II
	<p>Emerging Patterns in Biotechnology Innovation <i>Chair: Dirk Stemerding RA1501</i> - <i>Nahuis & Stemerding</i>: Emerging stabilisation in genomics. Governance and practices of valorisation - <i>Marris</i>: Synthetic biology in the UK: tentative governance or speculative ethics? - <i>Hopkins, Crane, Nightingale & Fuller</i>: The right prescription for therapeutic innovation? Exploring modes and impacts of the tentative governance regime on new UK therapeutic firms</p>
	<p>New Pathways and Channels for Emerging Science Governance <i>Chair: Philippe Larédo RA2501</i> - <i>Benneworth & Vossensteyn</i>: University cooperation models as an rescaling of tentative governance spaces - <i>Reale</i>: Governance as a policy instrument for shaping the higher education systems balancing between autonomy, accountability and academic freedom - <i>Peters</i>: Public communication of research as informal science governance</p>
	<p>New Regulatory Governance Methods <i>Chair: Luisa Marin RA2502</i> - <i>Moors, Boon & Meijer</i>: New modes of governing pharmacovigilance: a contribution to responsible innovation? - <i>Below & Steffensen</i>: Representation of Consumer attitudes and behaviour as a means for better regulation - <i>Dendler</i>: The role of product labelling schemes in shaping more sustainable production and consumption systems</p>
	<p>(Changing) Modes of Governing Promises & Risks <i>Chair: Harro van van Lente RA2504</i> - <i>Konrad</i>: Governance of and by expectations - <i>Blümel</i>: Receptive governance: legitimation strategies and field formation in synthetic biology - <i>Schaper-Rinkel</i>: Weak signals in the governance of emerging technologies: the case of nanotechnology - <i>Hauser, Gzásó & Kaiser</i>: Governing by dialogue: Pre-emptive politics in the field of nanotechnology</p>
	<p>Modes of Governance in Long-term Perspective <i>Chair: Nil Disco RA2503</i> - <i>Dijksterhuis & de la Bruheze</i>: Technical norms as emerging governance structures - <i>Weyer</i>: New modes of governance of complex systems in the era of autonomous technology - <i>Seibt</i>: Automation of transport, an emerging technology still in the making - <i>Pádua</i>: Are there rules in "games against nature"? Lessons learnt from the development of an HIV vaccine</p>
15:00	Break

15:30	Parallel Sessions III	
	Distance and Proximity in Knowledge Production <i>Chair: Wouter Boon A1501</i> - Frenken, Boschma, Hardeman & Ter Wal: Proximity and collaborative mode 2 knowledge production: the case of non-pharmaceutical Type 2 Diabetes Mellitus research in Europe - Hasse & Passarge: Swiss biotechnology as an alternative mode for radical innovations- contingencies, institutional practices and theoretisation - Holl & Rama: The technology sourcing of Spanish biotechnology firms - Klerkx & Aarts: The interaction of multiple champions in innovation networks: conflicts and complementarities	
	Creating Transnational Strategic Science Spaces <i>Chair: Liudvika Lejste RA2501</i> - Barker & Cox: The Europeanisation of metrology research-how national research managers have built a European programme and what it means for research governance - Larédo: The rationales and processes of the European Research Council - Van der Meulen & Hoedemaekers: International research programs: research dynamics and governance	
	Challenges of Intellectual Property Protection <i>Chair: Nico Groenendijk RA2502</i> - Böschen, Brandl, Gill & Spranger: Cultures of knowledge, cultures of autorisation and the governance of intellectual property - Adams: Patent protection, governance, and economic growth in developing countries - Kica, Rodrigues & Groenendijk: High-quality patents for emerging science and technology through external actors: Community scientific experts and knowledge societies	
	Creating Spaces for Exploring Promises and Risks as a Tool for Governing EST <i>Chair: Will McDowell RA2504</i> - Van Lente, Rip & Stegmaier: Assessing nanotechnologies: the future of reflexive co-evolution - Bitsch: Tentative governance in the innovation journey of genomics and healthcare - Stemerding & Walhout: Governance challenges in the field of synthetic biology	
	Methodological Perspectives <i>Chair: Nelly Oudshoorn RA2503</i> - Leydesdorff & Rafols: How emerging technologies conquer the world: diffusion, differentiation, and transformation into research technologies - Van Rijswoud: Comparing settled and emerging governance arrangements from a biographical-narrative perspective: the cases of hydraulic engineering and virology - Flipse & Osseweijer: Laboratory engagement in for-profit context	
17:00	Break	
17:15	Evening Lecture WA2	Arie Rip A Tentative Scenario for the Future of our Science Institutions (Chair: Peter Stegmaier)
18:00	WA2	Launch of the new Eu-SPRI Forum The European Forum for Studies of Policies for Research and Innovation
20:00	Parklocatie de Jaargetijden, Enschede, Volkspark Conference Dinner & Jury Prize for Best Poster in Conference	

Friday, 29 October 2010

09:00	Parallel Sessions IV	
	Governance of and by ICT <i>Chair: Nelly Oudshoorn RA1501</i> - Kurt: Interaction, networking, integration: a challenging route for the Turkish ICT sector in Europe? - João Simões & Santos: Building governance in Portugal: some reflections upon the Digital Cities and Regions Program - Robinson et al.: The Emerging Governance of Virtual Research Communities	
	Strategic HEI Research Governance Regimes for Emerging Life-science Fields <i>Chair: Ben Jongbloed RA2501</i> - Leišytė: The strategic responses of university researchers to the challenges of the higher education and research reforms in England and the Netherlands - Stemerding & Nahuis: Genomics as a new innovation regime: implications for governance	
	Regulation by Standardisation I <i>Chair: Ron Holzacker RA2502</i> - Aanestad & Hanseth: Governance of bottom-up standardisation processes - Daemrich: Co-innovation of materials, standards, and markets: BASF's development of Ecoflex - Jakobs: Governing ICT standardisation	
	Governance of Promises & Risks-Between Opening up and Closing down <i>Chair: Kornelia Konrad RA2504</i> - Warnke: Foresight as tentative governance instrument-evidence from Germany - McDowall: Roadmaps, transition management and the governance of hydrogen energy - Parandian, Rip & te Kulve: Dual dynamics of technological promises and waiting games around nanotechnology	
10:30	Break	

10:45	Parallel Sessions V	
	Organizing Collaboration - <i>Korbee</i> : Different governance settings in the adoption of eco-dynamic designing - <i>Vasileiadou</i> : Research teams as complex systems and implications for research governance - <i>Kloet & de Cock Buning</i> : How to read the fine print of science's social contract and deal with the knowledge paradox?	Chair: <i>Roel Nahuis</i> RA1501
	Strategic Governance of Science in Emerging Marketplaces - <i>Beerkens & Jongbloed</i> : University-industry partnerships: between mission and market - <i>Sanchez & Elena</i> : Changing patterns of governance and management in European universities: emerging paradoxes in Spanish universities - <i>Van der Most</i> : Gearing research councils towards funding of emerging science and technology	Chair: <i>Dirk Stemerding</i> RA2501
	Regulation by Standardisation II - <i>Delemarle & Throne-Holst</i> : The role of standardisation in the shaping of a vision for nanotechnologies - <i>Forsberg</i> : The role of ISO in the governance of nanotechnologies - <i>Dorbeck-Jung</i> : How can standardisation and other forms of 'soft' regulation enhance responsible nanotechnological development?	Chair: <i>Ramses Wessel</i> RA2502
	Assessing Discourses of Promises & Risks I - <i>Wullweber</i> : The strategic governance of nanotechnology: social struggles for public acceptance - <i>Oudshoorn</i> : Assessing expectations. Promises and silences in discourses of websites of producers of telecare technologies - <i>Van Oost</i> : Mapping the ELSA-discourse on humanisation trends in social robotics	Chair: <i>Philine Warnke</i> RA2504
	Methods of Assessment - <i>Roelofsen, Broerse & Bunders</i> : Constructive Technology Assessment on ecological genomics: challenges and strategies for reflexive learning - <i>Rask, Jacobi & Damianova</i> : Citizens, visions and research agendas – balancing between analysis and deliberation	Chair: <i>Ruud Smits</i> RA2503
12:15	Lunch	
13:00	Parallel Lunchtime Lectures <p style="text-align: center;">Roger Brownsword Rights, Regulation, and the Technological Revolution</p> <p style="text-align: center;">Chair: <i>Bärbel Dorbeck-Jung</i> RA1501</p>	<p style="text-align: center;">Richard Whitley Changing Governance and Authority Relations in the Public Sciences</p> <p style="text-align: center;">Chair: <i>Jürgen Enders</i> RA2501</p>
13:45	Parallel Sessions VI	
	Governance of Laboratory Work - <i>Ravesloot, Bimmel & Borm</i> : Organizing collaboration in innovative design and collective intellectual property - <i>Ulinicane-Ozolina & Kuhlmann</i> : International collaboration in nano S&T as a change mechanism in research institutes - <i>Rafols, O'Hare, Perianes, Hopkins & Nightingale</i> : Collaborative practices and technological trajectories in large pharmaceutical firms	Chair: <i>Philippe Larédo</i> RA1501
	Innovation Policies - <i>Fallon</i> : Struggling with emerging instruments in Belgium: how do institutions adapt to contingency of tentative governance - <i>Laranja</i> : Networked governance of innovation policies: the "Technological Plan" in Portugal - <i>Flanagan, Uyarra & Laranja</i> : Complexity and co-ordination: reconsidering the 'policy mix' for innovation	Chair: <i>Ruud Smits</i> RA2501
	Regulating Technologies: Asian Perspectives - <i>Rajan</i> : Scientific uncertainty. Risk and democracy-the case of India - <i>Barpujari</i> : Informational regulation of emerging technologies in India: a comparative study of nanotechnology and agricultural biotechnology	Chair: <i>Victor Rodriguez</i> RA2502
	Assessing Discourses of Promises & Risks II - <i>Coenen</i> : Tentative governance of synthetic biology: a comparative perspective - <i>Kanerva</i> : Nano S&T in the global south: assessing risk discourses - <i>Orwat & Büscher</i> : New perspectives for technology assessment	Chair: <i>Ellen van Oost</i> RA2504
	New Fields of Governance Research - <i>Karo & Kattel</i> : Governance of STI Policies: re-thinking the coordination challenge - <i>Mölders</i> : Open spaces and the Single European Sky	Chair: <i>Gonzalo Ordóñez</i> RA2503
15:15	Break	
15:30	Closing Roundtable Discussion RA1501	Tentative Governance of EST: a Useful New Research Perspective? S. Borrás, R. Brownsword, S. Cozzens, P. Larédo, A. Rip, R. Whitley Moderated by S. Kuhlmann
16:15	RA1501	Book Presentation & Drinks "The Theory and Practice of Innovation Policy-An International Research Handbook" (Edward Elgar)
17:00	End of Conference	

There is increasing realisation in academic and policy circles of the importance of 'tentative governance' as a means of creating spaces where creativity and discovery can flourish within the increasingly complex and bureaucratised business of science and technology. This conference is focused on exploring the issues raised by the increasing importance of tentative governance for emerging fields of science and technology. The event provides a forum for discussing the necessary theoretical, empirical and methodological responses to these challenges. Conference highlights include:

- Keynote presentations from Andrea Bonaccorsi (University of Pisa), Arie Rip (University of Twente), Roger Brownsword (King's College, London), Richard Whitely (University of Manchester).
- Over 90 papers presented in seven tracks over two days from authors representing fifteen countries globally
- Expert roundtable discussion: Tentative Governance of EST: A Useful New Research Perspective?
- A poster presentation session for young researchers with a Jury Prize for Best Poster in Conference
- Inaugural meeting of the European Forum for 'Studies into Policies for Research & Innovation'
- Book Launch of The Theory and Practice of Innovation Policy An International Research Handbook (Edward Elgar)

More information and registration is available via our website:

http://www.utwente.nl/igs/international_conference_tenta/

or contact Marcia Clifford, Conference Secretariat, m.f.clifford@utwente.nl

The conference "Tentative Governance In Emerging Science and Technology" is the first bi-annual conference of the European Forum for Studies of Policies for Science, Research and Innovation (Eu-SPRI Forum).

