



CPDR



IASC



Institutions for  
Collective Action

## International Association for the Study of the Commons

1<sup>st</sup> Thematic Conference on the Knowledge Commons

### **Governing Pooled Knowledge Resources: Building Institutions for Sustainable Scientific, Cultural and Genetic Resource Commons**

*12-14th September 2012*

*Université catholique de Louvain, Louvain-la-Neuve, Belgium*

### **Preliminary detailed program of key-note sessions and full paper parallel sessions**

Organized by:

**Université catholique de Louvain (UCLouvain), Belgium**

**Utrecht University, Netherlands**

Conference Co-chairs

**Tom Dedeurwaerdere ([Tom.dedeurwaerdere@uclouvain.be](mailto:Tom.dedeurwaerdere@uclouvain.be))**

**Tine De Moor ([t.demoor@uu.nl](mailto:t.demoor@uu.nl))**

In collaboration with

CODATA (International Council for Science : Committee on Data for Science and Technology) : GICSI Task Group

on Global Information Commons for Science

Faculté Universitaire Notre-Dame de la Paix (FUNDP), Belgium

Ghent University, Belgium

International Association for the Study of the Commons (IASC)

UNU-Merit (Maastricht)

and the support of

***The National Science Foundation, Belgium***

***Codata International***

***Fonds voor wetenschappelijkonderzoek, NL***

***Biodiversity International***

# Program key-note topics

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## **Wednesday 12 September, 9:00-10:30**

### **The Commons and the Climate – Dynamising the one to stabilise the other**

Prof. Paul David, Stanford, US & UNU-Merit, NL

### **Promoting open access to digital knowledge resources**

Prof. Robin Mansell, London School of Economics and Political Science, UK

## **Thursday 13 September, 9:00-10:30**

### **Open Source drug discovery as an innovative model for affordable healthcare for all**

Prof. Samir K Brahmachari, Secretary, Department of Scientific & Industrial Research (DSIR), Government of India and Director General, Council of Scientific & Industrial Research (CSIR).

### **The role of the global Crop Commons in supporting livelihoods and food security in developing countries.**

Emile Frison, Director General of Bioversity International, Italy

## **Friday 14 September, 9:00-10:30**

### **Sharing of knowledge, technological evolution and economic growth: a historical overview**

Prof. Joel Mokyr, Northwestern University, US

### **Innovative intellectual property strategies for pooling knowledge and technologies in addressing global challenges.**

Prof. Bronwyn Hall, University of Berkeley, US

## **Friday 14 September, 14:00-15:30**

### **Concluding Panel Discussion: The "knowledge commons" and the challenges of global climate change**

Prof. Anil Markandya, Director of Basque Center for Climate Change lead (author of the IPCC report)

Prof. Jakob Rhyner, Director of United Nation University, Bonn

Dr. Michael Halewood, Head of Policy Unit, Bioversity International, Italy

# Social Program

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## Wednesday 12 September, 18:00

**Conference reception** in Thomas More building

- Walking dinner
- Tribute to Lin Ostrom by Margaret McKean, founding member and past IASC president and Leticia Merino, president elect, IASC
- Live improvisation theatre performance on commoning and commons by the company “Théâtre carbonique”

## Thursday 13 September, 19:00

**Conference dinner** at restaurant MadZebu, Place de l'Université 15.

**Optional:** For those who are available on Friday or Saturday, we warmly recommend to visit the **Hergé Museum** in Louvain-la-Neuve, which presents the life and works of one of the greatest Belgian artists of the twentieth century (<http://www.museeherge.com/en>).

# Detailed Program

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## Wednesday 12 September

### **8:00-9:00 Information Desk**

### **9:00-10:30 - Introduction and keynote speakers**

**The Commons and the Climate – Dynamising the one to stabilise the other** (Auditorium MONT 01), Prof. Paul David, Stanford, US & UNU-Merit, NL

**Promoting open access to digital knowledge resources** (Auditorium MONT 01), Prof. Robin Mansell, London School of Economics and Political Science, UK

Session chair: Florin Popa, Université catholique de Louvain

### **10:30-11:00 - Coffee Break**

### **11:00-12:30 - Parallel sessions**

**Session 1.1: Constructing Commons in Intellectual Resources: A Research Framework and Case Studies** (Auditorium MORE 51)

Session chair: Geertrui Van Overwalle, University of Leuven

**Session 2.1: Learning from Internet collaboration models** (Auditorium MORE 52)

Session chair: Charlotte Hess, Syracuse University

### **12:30-14:00 – Lunch**

### **14:00-15:30 – Parallel sessions**

**Session 1.2: Enabling access to research data: comparing international and regional initiatives in developed and developing countries** (Auditorium MORE 51)

Session chair: Paul F. Uhler, National Academy of Sciences

**Session 2.2: Innovative IP management strategies for digital and scientific research commons** (Auditorium MORE 52)

Session chair: Mélanie Dulong de Rosnay, CNRS

**15:30-16:00 – Coffee Break**

**16:00-18:00 – Plenary Policy Forum**

**Session 1.4: Legal and institutional design of global scientific research collaborations** (Auditorium MORE 51)

Session chair: Philippe Desmeth, Belgian Federal Public Planning Service - Science Policy, president of the World Federation for Culture Collections (WFCC)

**18:00 – Conference Reception**

## Thursday 13 September

### 9:00-10:30 - Keynote speakers

**Open Source drug discovery as an innovative model for affordable healthcare for all** (Auditorium MONT 01), Prof. Samir K Brahmachari, Secretary, Department of Scientific & Industrial Research (DSIR), Government of India and Director General, Council of Scientific & Industrial Research (DSIR)

**The role of the global Crop Commons in supporting livelihoods and food security in developing countries** (Auditorium MONT 01), Emile Frison, Director General of Bioversity International, Italy

Session chair: Charlotte Hess, Syracuse University

### 10:30-11:00 - Coffee Break

### 11:00-12:30 - Parallel sessions

**Session 3.1: Historical Knowledge Commons and the history of the knowledge commons**  
(Auditorium MORE 51)

Session chair: Martina De Moor, Utrecht University

**Session 6.1: Diffusion and access to reliable scientific knowledge and innovations in global Climate Change** (Auditorium MORE 52)

Session chair: William E. Steinmueller, University of Sussex

### 12:30-14:00 – Lunch

### 14:00-15:30 – Parallel sessions

**Session 1.3: Public-private partnerships and research collaborations in life science research**  
(Auditorium MORE 51)

Session chair: Paul F. Uhler, National Academy of Sciences

**Session 4.1: Harmonization of governance arrangements for genetic-resource commons under the CBD** (Auditorium MORE 52)

Session chair: Nicola Lucchi, Université catholique de Louvain

## **15:30-16:00 – Coffee Break**

## **16:00-17:30 – Parallel sessions**

**Session 5.1: Impact of digital communication and intellectual property models on cultural expression and knowledge of local and indigenous communities** (Auditorium MORE 51)

Session chair: Enrico Bertacchini, University of Turin

**Session 4.2: Open access licensing models from the life sciences and information: potential applications for building a global agricultural research commons** (Auditorium MORE 52)

Session chair: Arianna Broggiato, Université catholique de Louvain

## **19:00 – Conference Dinner**

## Friday 14 September

### 9:00-10:30 - Keynote speakers

#### **Sharing of knowledge, technological evolution and economic growth: a historical overview**

(Auditorium MONT 01), Prof. Joel Mokyr, Northwestern University, US

#### **Innovative intellectual property strategies for pooling knowledge and technologies in addressing global challenges** (Auditorium MONT 01), Prof. Bronwyn Hall, University of Berkeley, US

Session chair: Martina De Moor, Utrecht University

### 10:30-11:00 - Coffee Break

### 11:00-12:30 - Parallel sessions

#### **Session 6.2: Intellectual property and technology transfer for climate change research** (Auditorium MORE 51)

Session chair: William E. Steinmueller, University of Sussex

#### **Session 5.2: Governing urban and culture heritage commons in the digital area** (Auditorium MORE 52)

Session chair: Enrico Bertacchini, University of Turin

### 12:30-14:00 – Lunch

### 14:00-15:30 – Concluding Panel Discussion

#### **The "knowledge commons" and the challenges of global climate change** (Auditorium MONT 01), Prof. Anil Markandya, Director of Basque Center for Climate Change lead (author of the IPCC report)

Prof. Jakob Rhyner, Director of United Nation University, Bonn

Dr. Michael Halewood, Head of Policy Unit, Bioversity International, Italy

Session chair: William E. Steinmueller, University of Sussex

### 15:30-16:00 – Concluding comments

### 16:00 – Farewell coffee



# Program Sessions

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## **TRACK 1: “Scientific Research and Innovation Commons”**

Coordination: Paul F. Uhler, National Academy of Sciences, USA

Beginning with the open source software movement in the 1980s, digital technologies have been applied for the global sharing of data and literature in various research fields, leading in the past decade to an explosion of research and innovation commons in almost all scholarly disciplines and knowledge contexts. In recent years, these disparate commons, developed largely from the bottom-up by the researchers who saw the need and the capabilities and seized the initiative, have begun to be institutionalized from the top-down by research funding agencies, science policy organizations, and even some legislatures. The researchers themselves have moved beyond the development of initial commons designed for specific information types and narrow discipline use, to more integrated and holistic “open knowledge environments” that take full advantage of the advancing digitally networked technologies. It is therefore both timely and appropriate to take stock of where we have been, what the current landscape of scientific research and innovation commons is, and where we can and should be going. This track of the Conference, therefore, will examine issues such as:

- The historical, current, and future trends in the development of institutional and governance models for scientific research and innovation commons, and the variability in disciplines.
- The relative strengths and weaknesses of fully open, semi-commons, and proprietary approaches to research and the progress of science, in both the public and private sector contexts.
- The institutional sustainability of different digitally networked commons in different sectors.
- The social, cultural, and political norms and practices that are both enabling and inhibiting the development of research and innovation commons.
- Evaluation techniques for better understanding the positive and negative effects of digital commons, specifically on the progress of science and innovation, and on economic growth and social welfare more generally.
- Strategies for promoting successful approaches to institutionalizing such commons.

**Session 1.1: Constructing Commons in Intellectual Resources: A Research Framework and Case Studies (12 Sep, 11:00-12:30, Auditorium MORE 51)**

**Session chair: Geertrui Van Overwalle, University of Leuven**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Constructing Commons in Intellectual Resources	<b>MADISON Michael</b>	University of Pittsburgh School of Law	USA
Constructing the Genome Commons	<b>CONTRERAS Jorge</b>	American University, Washington College of Law	USA
The Rare Diseases Clinical Research Network as a Nested Cultural Commons	<b>STRANDBURG Katherine</b>	New York University	USA
Openness, the UK Stem Cell Bank and the delivery of cell therapies: conceptual foundations for facilitation	<b>GEORGE Carol</b>	University of Edinburgh	UK

**Session 1.2: Enabling access to research data: comparing international and regional initiatives in developed and developing countries (12 Sep, 14:00-15:30, Auditorium MORE 51)**

**Session chair: Paul F. Uhler, National Academy of Sciences**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Editorial Incentives & Early-Stage Determinants of Submission Impact	<b>BANDEH-AHMADI Ayeh</b>	University of Maryland	USA
Building Shared Language Research Environments inside European Union – how to optimize the system based on experiences from real life	<b>VILLE Oksanen</b> (co-author LINDEN Krister, Finland)	Aalto University	Finland
Common Knowledge and Human Genome Project: Institutional Trajectories	<b>LARA Arturo</b> (co-author OSORIO Helder, Mexico)	Universidad Autonoma Metropolitana	Mexico

**Session 1.3: Public-private partnerships and research collaborations in life science research (13 Sep, 14:00-15:30, Auditorium MORE 51)**

**Session chair: Paul F. Uhler, National Academy of Sciences**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Plant Biotechnologies: What is Common and What Remains Private?	<b>TROMMETER Michel</b>	GAEL UMR INRA UPMF, Grenoble	France
		Ecole Polytechnique, Paris	France
Genetic Resource Commons: A Case Study of Central Rice Research Institute (India)	<b>PATNAIK Archana</b>  (co-author RUIVENKAMP Guido, Netherlands)	Wageningen University	Netherlands
Value, Norms and Practices in Plant Biodiversity-based Research and Innovation Commons	<b>PHAM Jean-Louis</b>  (co-authors LOUAFI Selim, France, ARNAUD Elizabeth, Italy, BARTHELEMY Daniel, France, NOYER Jean-Louis, France, France)	Agropolis Resource Center for Crop Conservation, Adaptation and Diversity (ARCAD)	France
Networking Collections to Provide Facilitated and Legislation Compliant Access to Microbial Resources	<b>SMITH David</b>	CABI	UK

**Session 1.4: Legal and institutional design of global scientific research collaborations  
(12 Sep, 16:00-18:00, Auditorium MORE 51)**

**Session chair: Philippe Desmeth, Belgian Federal Public Planning Service - Science Policy,  
president of the World Federation for Culture Collections (WFCC)**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
When Copyright Law and Science Collide: Empowering Digitally Integrated Research Methods on a Global Scale	<b>REICHMAN Jerome</b>	Duke Law School	USA
Designing Global Scientific Collaborations for Research Data. The example of GEOSS.	<b>UHLIR Paul</b>	National Academy of Sciences	USA
Trends in Technology Transfer: Implications for Developing Countries	<b>CORREA Carlos</b>	University of Buenos Aires/South Centre	Argentina

## Track 2: “Digital Information Commons”

**Coordination: Mélanie Dulong De Rosnay, Centre national de la recherche scientifique, France**

Digital and network technologies make it easier to share information, whether in the commons or not. Building upon these technical possibilities, various communities define rules of use and re-use of these resources (such as through common use licensing) that support the good functioning of the common digital knowledge resources. User communities may include artists, researchers, educators, media, governments and the digital information potentially includes text, images, databases and audiovisual material.

The emerging research field needs to develop theoretical exchanges with more grounded scientific domains and areas of the commons. Besides, both researchers and advocates would benefit from collecting documented use-cases and scalable argumentation on the impact of the digital commons on economy, democracy, education, health and social welfare as a whole. Issues related to incentive to share, incompatibilities, network effects, reputation and evaluation require further research to be overcome and provide evidence and guidance for various user communities and policy-makers.

**Session 2.1: Learning from Internet collaboration models (12 Sep, 11:00-12:30, Auditorium MORE 52)**

**Session chair: Charlotte Hess, Syracuse University**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
How Journals are Adopting Open Data and Code Policies	<b>STODDEN Victoria</b>	Columbia University	USA
Towards a General Theory of Internet-Based Collective Action in Digital Information Commons: Findings from a Study of Open Source Software Projects	<b>SCHWEIK Charles</b> (co-author ENGLISH Robert)	University of Massachusetts, Amherst	USA
An Introduction to the Digital Commons: From Common-Pool Resources to Community Governance.	<b>DULONG DE ROSNAY Melanie</b> (co-author LE CROSNIER Hervé, France)	Centre national de la recherche scientifique	France
The Commodification of Information Commons	<b>DE FILIPPI Primavera</b>	CERSA	France

	<b>(co-author SAID VIEIRA Miguel, Brazil)</b>		
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**Session 2.2: Innovative IP management strategies for digital and scientific research commons (12 Sep, 14:00-15:30, Auditorium MORE 52)**

**Session chair: Mélanie Dulong de Rosnay, CNRS**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Governing the collective management of rights on protected cultural resources. How the Commons can help build upon the collectivisation of copyright.	<b>LORRAIN Anne-Catherine</b>	Université Paris-Sud 11	France
		Max Planck Institute on Intellectual Property and Competition Law	Germany
Governing Global Access to Biomedical Patents and Materials	<b>CASTRO Rosa</b>	European University Institute	Italy
The Tragedy of Scientific Commons	<b>LUETHI Roger</b>  (co-authors <b>OSTERLOH Margit, Switzerland,</b> FREY Bruno, Switzerland)	University of Zurich	Switzerland
Mapping Online Creation Communities for the Building of Digital Commons: Models of Infrastructure Governance of Collective Action and its Effects on Participation Size and Complexity of Collaboration Achieved	<b>FUSTER MORELL Mayo</b>	Berkman center for Internet and Society, Harvard University	Spain

## TRACK 3: “Historical experience of the knowledge commons”

**Coordination: Martina De Moor, Utrecht University, Netherlands**

Although knowledge commons seem to be a fairly “new” concept, Europe has a long history of similar institutionalized initiatives, which can in fact also serve as a source of inspiration for the present day exchange of knowledge. One type of such an institution for collective action -and no doubt the most important until the 19th century- was the craft guild which tried to limit professional and personal risks for artisans, from the late middle ages onwards. Guild members their main objective was to provide a minimal but secure income for their members. The capital good they pooled in order to prevent running great risks, was their skill in combination with specific knowledge about their craft: by joining and exchanging their knowledge and training, and taking advantage of the scale of organization they could offer a uniform, high quality good, that would be sold at a minimum price. The guild system enforced the rules of apprenticeship against free-riding and exploitation and offered institutional and practical support to the migrant apprentices, journeymen, and masters who transferred their knowledge from town and region of Europe to another.

### **Session 3.1: Historical Knowledge Commons and the history of the knowledge commons (13 Sep, 11:00-12:30, Auditorium MORE 51)**

**Session chair: Martina De Moor, Utrecht University**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
The Disenchantment of Skillful Bodies - Early Modern Guilds as Knowledge Communities	<b>DE MUNCK Bert</b>	University of Antwerp	Belgium
Early Modern „Knowledge Commons“ to foster Technological Innovation – Characteristics and Paradoxes	<b>POPLOW Marcus</b>	Universität Salzburg	Austria
Organizations of Maritime Transporters in the Low Countries, 1400-1800	<b>SCHELTJENS Werner</b>	University of Groningen	Netherlands
Born to Develop New Knowledge Commons in Agronomics: the Agrarian Reviews in Lombardy during the 19th century	<b>TEDESCHI Paolo</b>	University of Milan Bicocca	Italy

## TRACK 4: “Genetic Resource Commons”

**Coordination: Tom Dedeurwaerdere, Université catholique de Louvain, Belgium**

Research on the exchange of genetic resources in various fields (microbial, animal and plant) shows that networking collections or of genetic resources in global and local common pool resources is a workable alternative to market-based solutions, which have been shown to be unable to generate sufficient investment in the vast quantities of genetic resources that are neglected because of their low commercial value or potential but as yet unknown future values.

For the improving our understanding of the design of these genetic resource commons however, a more systematic approach, based on a systematic analysis of the structure of the exchanges practices, the terms and conditions of exchanges, and the role of non-market values in the actors’ motivations is needed. The main issue that has to be addressed in this context is the creation of a better fit between the design of institutional arrangements for building the genetic resource commons and the norms and practices of the various user communities. Examples which illustrate, amongst others, attempts in that direction are the use of standard material transfer agreements for exchanges within the global crop and microbial commons ; breeding associations for animal genetic resources, organizations for informal seed exchange in developing countries or participatory breeding in the organic farming sector.

**Session 4.1: Harmonization of governance arrangements for genetic-resource commons under the CBD (13 Sep, 14:00-15:30, Auditorium MORE 52)**

**Session chair: Nicola Lucchi, Université catholique de Louvain**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
The Pan-European Project Microbial Resource Research Infrastructure (MIRRI)	<b>FRITZE Dagmar</b>  (co-author <b>OUMARD André, Germany</b> )	Leibniz-Institut DSMZ - Deutsche Sammlung von Mikroorganismen und Zellkulturen	Germany
Filling the Gap: from early international legal agreements pertaining to global science to new implementation perspectives in the context of the Nagoya Protocol	<b>BROGGIATO Arianna</b>  (co-author <b>DEDEURWAERDERE Tom, Belgium, Dimitra MANOU, Belgium</b> )	Université catholique de Louvain	Belgium
What Kind of Goods are Plant Genetic Resources? Exploring the Contours of a New Global Commons	<b>HALEWOOD Michael</b>	Bioversity International	Italy
Avoiding the Anticommons: Conditioning Release of Culture Collection Materials on an Agreement to "Re-Bundle" IP Rights	<b>BELDIMAN Dana</b>	UC Hastings, San Francisco	USA



**Session 4.2: Open access licensing models from the life sciences and information: potential applications for building a global agricultural research commons (13 Sep, 16:00-17:30, Auditorium MORE 52)**

**Session chair: Arianna Broggiato, Université catholique de Louvain**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Access to Plant Genetic Resources: from Access as an Accessory to International Trade Rules to Open Licensing	<b>DEIBEL Eric</b>	Institut Francilien Recherche Innovation Société	France
Understanding Genetic Information as a Commons: From Bioprospecting to Personalized Medicine	<b>LUCCHI Nicola</b>	Université catholique de Louvain	Belgium
Towards a contractually created commons in traditional knowledge and genetic resources for scientific research and innovation in India: Scope and Challenges	<b>SCARIA Arul</b> <b>(co-author DEDEURWAERDERE Tom, Belgium)</b>	Université catholique de Louvain	Belgium
The Use of Agrobiodiversity for Plant Improvement and Property-Paradigm Breakdowns: Caught between Patents, Plant Variety Rights and Partially Open Innovation Systems within the Intellectual Property Paradigm	<b>BATUR Fulya,</b> <b>(co-author DEDEURWAERDERE Tom, Belgium)</b>	Université catholique de Louvain	Belgium

## TRACK 5: “Cultural Commons”

**Coordination: E. Bertacchini, G. G. Bravo, M. Marrelli and W. Santagata, University of Turin, Italy**

“Cultural Commons” refer to cultures located in time and space – either physical or virtual - and shared and expressed by a socially cohesive community. The concept of Cultural Commons proposes a new perspective for studying and analyzing cultures and cultural production. The approach is based on understanding cultures and cultural production as intangible resources shared by communities, whose generation and maintenance involve social dilemmas and collective action. Examples are: cultural district or cultural cluster in a city, a local language, the creativity expressed by designers’ communities or traditional knowledge of indigenous communities.

Cultural Commons may be analyzed and defined along three main dimensions: Cultural expression, Space and Community. These dimensions are useful to understand cultures as a new category of shared resources, which encompasses different forms of expression produced by various communities and in several contexts. Cultural expression represents the resource that is produced and managed in a commons-like framework. The spatial dimension reflects the environmental characteristics wherein interactions take place between community members. Finally, the community, built upon an identity and symbolic dimension, takes into account the cohesiveness of its members and their involvement in the cultural process. The community can be described along the density dimension, starting from a close-knit designers’ group to a loosely spread community of players on massive multiplayer online games.

**Session 5.1: Impact of digital communication and intellectual property models on cultural expression and knowledge of local and indigenous communities (13 Sep, 16:00-17:30, Auditorium MORE 51)**

**Session chair: Enrico Bertacchini, University of Turin**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Cultural Industries, Digital Divide and Rural Development: The case of digital piracy in Oaxaca	<b>CHAVEZ Manuel</b> (co-author SACNHEZ- MEDINA Patricia, Mexico)	CIIDIR-Universidad de la Sierra Sur	Mexico
Modernizing Copyright Law	<b>BITTON Miriam</b>	Bar-Ilan University	Israel
Toward a Theory of Polycentric Governance in Copyright Law	<b>PRIEST Eric</b>	University of Oregon School of Law	USA
Legal Effect on Classification Knowledge	<b>KHADEMI Hojjat</b>	World Trade Institute	Switzerland

**Session 5.2: Governing urban and culture heritage commons in the digital area (14 Sep, 11:00-12:30, Auditorium MORE 52)**

**Session chair: Enrico Bertacchini, University of Turin**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Challenge of New Commons – Urban Public Spaces	<b>POKLEMBOVA Veronika</b>  (co-authors KLUVANKOVA-ORAVSKA Tatiana, FINKA Maros, Slovak Republic)	Institute for Forecasting, Slovak Academy of Sciences	Slovak Republic
Our Constitutional Commons	<b>DANIELS Brigham</b>  (co-author HUDSON Blake, Louisiana State University, Law Center, USA)	Brigham Young University	USA
From Local to Global Cultural Commons? A Theoretical and Empirical Assessment.	<b>PARENTI Benedetta</b>  (co-author DE SIMONE Elina, Italy)	Oriente University Naples	Italy
Re-Making Place: The Social Construction of Geographical Indications	<b>RANGNEKAR Dwijen</b>	School of Law, University of Warwick	UK

## TRACK 6+ : "Global Climate change research"

**Coordination: Paul David, Stanford, US & UNU-Merit, NL**

This focal area of the conference will address climate change governance and its relationship to knowledge commons. In particular, it will focus on the contribution of commons based solutions to the sharing and diffusion of reliable scientific knowledge and innovations, and of sustainable use of genetic resources and traditional knowledge, which can contribute to address problems of adaptation to and mitigation of climate change.

### Session 6.1: Diffusion and access to reliable scientific knowledge and innovations in global Climate Change (13 Sep, 11:00-12:30, Auditorium MORE 52)

**Session chair: William E. Steinmueller, University of Sussex**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
Towards a Knowledge Commons for Integrated Assessment Models of Climate Change	<b>DEN BESTEN Matthijs</b>	Groupe Sup de Co Montpellier Business School	France
Climate Change Discourses and Policies. Whose Priorities, which Knowledge?	<b>MERINO Leticia</b>	Universidad Nacional Autónoma de México	Mexico
Collective Action for the Production of Knowledge on the Commons	<b>GUTIERREZ Norma</b>	Universidad Nacional Autónoma de México	Mexico

### Session 6.2: Intellectual property and technology transfer for climate change research (14 Sep, 11:00-12:30, Auditorium MORE 51)

**Session chair: William E. Steinmueller, University of Sussex**

<b>Title</b>	<b>Author</b>	<b>Institution/Affiliation</b>	<b>Country</b>
A New Opportunity for Delivering the Commons: Exploring the Interface Between Different Legal fields	<b>BROWN Abbe</b>	University of Edinburgh	UK
Patent Pools for Clean Energy Technologies	<b>ZHUANG Wei</b>	Max Planck Institute for IP and Competition Law(list participants)	Germany
		Université de Genève	Switzerland

The Renewable Energy Commons: Global Public Goods, Governance Risk and International Energy	<b>MEYER Timothy</b>	University of Georgia School of Law	USA
The Talent Pool: Human Capital, Knowledge Creation, and the Reach of Intellectual Property	<b>LOBEL Orly</b>  (co-author AMIR On, USA)	University of San Diego	USA