

2nd COMMUNIA Conference 2009
*Global Science and the Economics of
Knowledge-Sharing Institutions
(G-SEKSI)*

28-30 June 2009

Collegio Carlo Alberto - <http://www.carloalberto.org/>

CONFERENCE PROGRAMME

Day One 28th June Pre-conference Events

Venue: Jolly Hotel Ligure, piazza Carlo Felice, 85

9:00 - 12:30 COMMUNIA Work Group Sections

Conference Day One: 28th June

Venue: Aula Magna Rettorato Università di Torino, via Verdi 8

Introduction to the Conference and Its Themes

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| 14:00 | Welcome | Cristiano Antonelli
<i>Professor of Economics, University of Torino and
Director, BRICK</i> |
| 14:10 | Plenary Presentation | Ezio Pellizzetti , <i>Rector Magnificus,
University of Torino</i> |
| 14:20 | Plenary Presentation | Paul A. David
<i>Professeur Titulaire Ecole Polytechnique and Telecom
Paris Tech and Professor of Economics (Emeritus),
Stanford University</i> |

Global Scientific Collaborations Accomplishments, Potentials and Impedances

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| 14:40 | Keynote address | Denis Noble
<i>Emeritus Professor of Cardiovascular Physiology,
University of Oxford</i>
"THE MEETING OF BIOLOGY, MATHEMATICS
AND COMPUTATION: PARADIGMS FOR NEW
CONCEPTUAL FOUNDATIONS AND THE
STRUCTURE OF GLOBAL COLLABORATIONS" |
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- 15:00 Keynote address **Hans Hoffman**
CERN, Honorary
"OPEN, GLOBAL COLLABORATION IN PARTICLE PHYSICS"
- 15:20 Keynote address **Paul F. Uhler**
Director, National Research Council Board on Research Data and Information, U.S. National Academies
"GLOBAL CHANGE IN ENVIRONMENTAL DATA SHARING: IMPLEMENTATION OF THE GEOSS DATA SHARING PRINCIPLES"
- 15:40 Keynote address **Fiona Murray**
Associate Professor of Management Technological Innovation & Entrepreneurship Group, Sloan School of Management, MIT
"INSTITUTIONAL FOUNDATIONS OF SCIENTIFIC PROGRESS: IMPLICATIONS FOR COLLABORATION AND PARTICIPATION"
- 16:00 Open Discussion Moderator: **Juan Carlos de Martin**
Co-director /NEXA Center for Internet & Society, Politecnico of Torino

16:30 Coffee Break

Research Policies, Funding and Open Science's Future

- 16:50 Keynote address **Norbert Kroo**
Vice-President, Hungarian Academy of Science Representative of the European Research Council
"FRONTIER RESEARCH THROUGH ERC GRANT"
- 17:15 Keynote address **Nicole Perrin**
Senior Policy Advisor, The Wellcome Trust Limited, U.K
"DATA MATTERS: A RESEARCH FUNDER'S PERSPECTIVE"
- 17:40 Open Discussion Moderator: **Aldo Geuna**, *Professor of Economics, University of Torino*

18:20 Adjourn, return to the Hotels (walk through city center)

19:30 Conference Reception: Esperia Società Canottieri - corso Moncalieri 2/c Turin

Conference Day Two: 29th June

Venue: Collegio Carlo Alberto

8:15 Transport from Torino to Moncalieri by shuttle bus in front of the Hotel Roma e Rocca Cavour - piazza Carlo Felice 60, near Porta Nuova Railway Station

Science in Context -Economics and Legal Institutions

- 9:00 Keynote Address **Philippe Aghion**
Robert C. Waggoner Professor of Economics, Harvard University
"ACADEMIA AND INNOVATION"
- 9:25 Keynote Address **Bernt Hugenholtz**
Professor of Intellectual Property Law and Director of the Institute for Information Law of the University of Amsterdam
"OWNING SCIENCE: INTELLECTUAL PROPERTY RIGHTS AS IMPEDIMENTS TO KNOWLEDGE SHARING"
- 9:50 Keynote Address **Patrick Llerena**
Professor of Economics, Université Pasteur, Strasbourg
"INDICATORS AND POLICIES FOR HEI'S TT ACTIVITIES: LESSONS FROM THE FRENCH CASE"
- 10:15 Discussion Moderator: **Cristiano Antonelli**
Professor of Economics, University of Torino
Director, BRICK

10:40 Coffee break

11:00 Breakout Session I

Breakout Session A Chair and Discussant: Rikard Stankiewicz, European University Institute <i>Legal and Technical Accessibility for Life Science Databases</i> Melanie Dulong de Rosnay, University of Amsterdam <i>Between IPRs and Public Research : Is a Community just a « Fancy Science? »</i> Francesco Rullani, Copenhagen Business School <i>Field characteristics differentiates the mechanism of scientist cooperation-material transfer in life science and material science</i> Sotaro Shibayama, Georgia Institute of Technology – School of Public Policy	Breakout Session B Chair and Discussant: Philippe Aghion, Harvard University <i>Climbing Atop the Shoulders of Giants: The Impact of Institutions on Cumulative Research</i> Jeffrey Furman, Boston University <i>Information Technology and Research Patterns in the Life Sciences</i> Paula Stephan, Georgia State University <i>A Comparison of Information-Sharing between Scientists in Academia and Industry</i> Carolyn Haeussler, University of Munich
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12:45 Buffet lunch

14:00 Breakout Session II

<p>Breakout Session C Scientific research commons - experiences and critical appraisal Chair and Discussant: Tom Dedeurwaerdere, Université Catholique de Louvain</p> <p><i>General And Specific Information-Sharing Academic University Bio-Scientists</i> Jerry Thursby, Georgia Institute of Technology, Marie Thursby, Georgia Institute of Technology, Carolin Haeussler, University of Munich</p> <p><i>Contractually Constructed Research Commons: A Critical Economic Appraisal</i> Enrico Bertacchini, University of Torino</p> <p><i>Biological Material Sharing in Research: The Case of Rain Forest Resources</i> Alexandre Antonelli, Institute of Systematic Botany</p>	<p>Breakout Session D Economics of Academic Research (DIME) Chair: Aldo Geuna, University of Torino Discussant: Paula Stephan, Georgia State University</p> <p><i>Scientific Productivity and Academic Promotion: A Study on French and Italian Physicists</i> Jacques Mairesse, INSEE, Paris & ICER, Torino Fabio Montobbio, KITes/Cespri & Università dell'Insubria</p> <p><i>The Role of Search in Scientific Productivity: Inside, Outside, and Interdisciplinary Dimensions</i> James D. Adams, Rensselaer Polytechnic Institute</p> <p><i>Exploratory Attitude and Creativity in Science</i> Chiara Franzoni, Politecnico of Torino</p>
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15.45 Coffee Break

16:00 Breakout Session III

<p>Breakout Session E Science research commons - design requirements and policy proposals Chair: John Wilbanks, Science Commons Discussant: Fiona Murray, MIT</p> <p><i>Revolution and Evolution in Scientific Communication: Moving from Restricted Dissemination of Publicly-Funded Knowledge to Open Knowledge Environments</i> Paul F. Uhler, US National Academies <i>The contribution of public networks to knowledge accumulation: Ex situ collections in microbial research</i> Tom Dedeurwaerdere, Université Catholique de Louvain</p> <p><i>An empirical analysis of contractual practices for global exchange of microbial genetic resources in life science research</i> Maria-Jose Iglesias, Université Catholique de Louvain</p> <p><i>Life science research commons - design requirements and policy proposals".</i> Antoni Nowakowski:</p>	<p>Breakout Session F Economics of Academic Research (DIME) Chair: Chiara Franzoni, Politecnico of Torino Discussant: Paul David, Stanford University & Ecole Polytechnique</p> <p><i>Stimulating graduates' research-oriented careers: does academic research matter?</i> Mauro Sylos Labini, IMTLucca Institute for Advanced Studies, Natalia Zinovyeva, FEDEA</p> <p><i>Does globalization of the scientific/engineering workforce threaten U.S. economic leadership?</i> Richard B. Freeman, Harvard University</p> <p><i>The Great Divide in Scientific Productivity. Why the Average Scientist Does Not Exist</i> Stijn Kelchtermans, Hogeschool-Universiteit Brussel</p>
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17:50 Adjourn, transport from Collegio Carlo Alberto to Torino by shuttle bus

19:30 Gala Dinner: Esperia Società Canottieri - corso Moncalieri 2/c - Turin

Conference Day Three: 30th June

Venue: Collegio Carlo Alberto

8:15 Transport from Torino to Moncalieri by shuttle bus in front of the Hotel Roma e Rocca Cavour - piazza Carlo Felice 60, near Porta Nuova Railway Station

Forming and Reforming the Research Resource Commons - Designs and Experiences

- 9:00 Keynote Speaker **Jerome H. Reichman**,
Bunyan S. Womble, Professor of Law, Duke Law School
"FORMALIZING THE INFORMAL MICROBIAL COMMONS: USING LIABILITY RULES TO PROMOTE THE EXCHANGE OF MATERIALS"
- 9:20 Keynote Speaker **John Wilbanks**
Vice President of Creative Commons, Executive Director of Science Commons
"THE DIGITAL COMMONS: INFRASTRUCTURE FOR THE DATA WEB"
- 9:40 Keynote Speaker **Bronwyn H. Hall**,
University of California at Berkeley; University of Maastricht-UNU-MERIT; NBER; Institute for Fiscal Studies
"ISSUES IN ASSESSING CREATIVE AND SCIENTIFIC COMMONS"
- 10:00 Discussion Moderator: **Paul A. David**,
Professeur Titulaire Ecole Polytechnique and Telecom Paris Tech and Professor of Economics (Emeritus), Stanford University

10:30 Coffee break

10:45 Breakout session IV

Breakout Session G Chair and Discussant: Benjamin Coriat, University of Paris-XIII <i>Are Intellectual Property Rights Hindering Technological Advance? The Need for Technological Common.</i> Petri Rouvinen, ETLA Rikard Stankiewicz, The European University Institute <i>Access to the Scientific literature in India</i> Patrick Gaule, Ecole Polytechnique Fédérale de Lausanne <i>The Determinants of National Patent ownership by Public Research Centres</i> Joaquin Azagra-Caro, JRC IPTS, European Commission	Breakout Session H Chair and Discussant: W. Edward Steinmueller, SPRU-University of Sussex <i>The Emergence of Architecture In Modular Systems: Open Coordination Across Boundaries at ATLAS, CERN</i> Philippe Tuertscher, Vienna University of Economics and Business <i>The determinants of national patent ownership by Public Research Centres</i> S.P. Agarwal, Centre for International Trade in Technology <i>Open licensing for scientific innovation :the Reproducible Research Standard in Theory and Practice</i> Victoria Stodden, Harvard Law School
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12:25 Discussants' Round-Table on Economics on Scientific Research & Collaborations: Perspectives from Breakout Session A, B, D, F
Rikard Stankiewicz, Philippe Aghion, Paul David, Paula Stephan
Moderator: T. Dedeurwaerdere

13:00 Buffet Lunch

14:00 Discussants' Round-Table on Legal and Institutional Structuring of Research Collaboration: Perspectives from Breakout Session C, E, G, H
Benjamin Coriat, Tom Dedeurwaerdere, Fiona Murray, W. E. Steinmueller
Moderator: Aldo Geuna

CLOSING SESSION: GLOBAL PERSPECTIVES ON THE POLICY CHALLENGES

14:35 Moderator: W. Edward Steinmueller (SPRU- Sussex University)
Opening Remarks: Science and the Techno-Socio Vision of the Cyberinfrastructure
Edward Seidel (Director of the U.S. NSF Office of Cyberinfrastructure)

14:50 A Panel and Floor Discussion: Can Top-Down and Bottom-Up Policy Initiatives be Integrated? What are the Priorities?

Responses from the Panel Members:

Dominique Foray (EPFL)
Benjamin Coriat (University of Paris XIII)
Marco Ricolfi (Università di Torino)
Paul F.Uhlir (National Academies of Science)

15:50 Coffee break

16:00 - 18:30 COMMUNIA General Assembly

18:30 Transport from Collegio Carlo Alberto to Torino by shuttle bus

WE ACKNOWLEDGE THE SUPPORT OF:



communia-project.eu



www.dime-eu.org



www.codata.org



www.uclouvain.be



www.de.unito.it



www.regione.piemonte.it



www.carloalberto.org/brick.htm