



# EXPLORING THE APPLICATION OF COST-BENEFIT ANALYSIS TO RESEARCH INFRASTRUCTURES AND MAJOR RDI PROJECTS

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Discussion of the results of the Unimi/Csil project  
“Cost-Benefit Analysis in the Research, Development and Innovation Sector”  
sponsored by the EIB Institute (University Research Sponsorship Programme -EIBURS)

13 November 2015

## Background

The Department of Economics, Management and Quantitative Methods (DEMM) and the Department of Physics, University of Milan and CSIL Centre for Industrial Studies have developed a three-year research project to build on the current international practice and produce a cost-benefit analysis (CBA) model for decision making in the field of RDI. The model is expected to assess the potential future net social benefits generated by a RDI infrastructure and the uncertainty and risks associated to them. The team has developed the conceptual framework of the model and applied it to two selected cases (i.e. the Large Hadron Collider (LHC) at CERN and the National Centre for Oncological Treatment (CNAO) in Pavia (IT)) exploring methodological challenges and the potential further applications. As part of the research project the team has prepared a Discussion Paper describing the CBA model and lessons learned from the case studies.

## Objective

Objective of the workshop is to present and discuss with experts the methodology developed in the framework of this research project and to collect suggestions and comments for adjustments and fine tuning.

## Format

The format of the workshop is an in-depth debate on the Discussion Paper with invited experts. The participation to the workshop is by invitation only and places are limited. Background material is sent to the experts in advance.

## Venue

The workshop is kindly hosted by DG RESEARCH and will take place at their premises, CDMA Building, Room number SDR2 (floor -1), Address: Rue du Champ de Mars 21, 1050 – Bruxelles.

## Project website

[www.eiburs.unimi.it](http://www.eiburs.unimi.it)



## Agenda

- 9.00-9.15      *Welcome coffee*
- 9.15-9.25      *Welcome address*  
*Sean O'Reagain - Deputy Head of Evaluation Unit, Dg Research, European Commission*
- 9.25-9.35      *Rationale of the Eiburs programme*  
*Tanja Tanayama, Head of Knowledge Programme, European Investment Bank Institute*
- 9.35-10.15    *Exploring Cost-Benefit Analysis of RDI Infrastructures: An Evaluation Framework*  
*Massimo Florio, University of Milan*
- 10.15-11.30   *Panel discussion*  
*Luca Del Monte, European Space Agency (ESA)*  
*Philippe Froissard, Deputy Head of Research Infrastructures Unit, Dg Research, EC*  
*Mark Mawhinney, Jaspers, European Investment bank (EIB)*  
*Sylvie Niessen, Department of Research Infrastructures, French Ministry of Education and Research*  
*Giorgio Rossi, European Strategy Forum on Research Infrastructures (ESFRI)*  
*Frédéric Sgard, Global Science Forum, (OECD)*  
*Witold Willak, Head of Sector, Major Project Team DG Regional and Urban Policies, EC*
- 11.30-12.45   *Comments by invited experts and general discussion*  
*List of experts attached*
- 12.45-13.00   *Concluding remarks*  
*Massimo Florio, Stefano Forte (University of Milan) and Silvia Vignetti (CSIL)*
- 13.00-14.30   *Sandwich lunch and networking*



## List of participants

Name	Affiliation
<b>Keji Adunmo</b>	Research Infrastructures Unit, Dg Research, European Commission
<b>Lucilla Alagna</b>	Consultant, Global Science Forum, OECD
<b>Mary Barlow</b>	LFCF Programme Project Manager, European Bioinformatics Institute (EMBL-EBI)
<b>Dulce Boavida</b>	Research Infrastructures Unit, Dg Research, European Commission
<b>Antonella Calvia-Götz</b>	European Investment Bank (EIB)
<b>Andrea De Candido</b>	Research Infrastructures Unit, Dg Research, European Commission
<b>Luca Del Monte</b>	European Space Agency (ESA)
<b>Frank de Man</b>	Governance & Strategy of EATRIS - European Infrastructure for Translational medicine
<b>Viř Dockal</b>	Project Manager of the Czech Institute of Informatics, Robotics and Cybernetics at Czech Technical University in Prague
<b>Jan Mikołaj Dzięciołowski</b>	Member of the Cabinet of Commissioner, DG Regional and Urban Policies, European Commission
<b>Massimo Florio</b>	Department of Economics, Management and Quantitative Methods (DEMM), University of Milan
<b>Stefano Forte</b>	Department of Physics, University of Milan
<b>Philippe Froissard</b>	Deputy Head of Research Infrastructures Unit, Dg Research, European Commission
<b>Matthias Girod</b>	Scientific Fellow at CERIC-ERIC
<b>Florian Gliksohn</b>	Association of European-level research facilities (ERF-AISBL)
<b>Johannes Gutleber</b>	European Organization for Nuclear Research (CERN)
<b>Edwin Horlings</b>	Coordinator, Science System Assessment, Rathenau Instituut
<b>Jana Kolar</b>	Board member of the EIT-European Institute of Innovation and Technology
<b>Jan-Eric Litton</b>	Director General of Biobanking and Biomolecular resources Research Infrastructure - BBMRI-ERIC
<b>Giorgio Locatelli</b>	Lecturer in Infrastructure Procurement and Management at the School of Civil Engineering - University of Leeds
<b>Mark Mawhinney</b>	Jaspers, European Investment bank (EIB)
<b>Melita Nicotra</b>	INFN-LNS and University of Catania
<b>Sylvie Niessen</b>	French Ministry of Education and Research - Department of Research Infrastructures
<b>Sean O'Reagain</b>	Deputy Head of Evaluation Unit, Dg Research, European Commission
<b>Chiara Pancotti</b>	CSIL Research Team
<b>Julie Pellegrin</b>	CSIL Research Team
<b>Giorgio Rossi</b>	European Strategy Forum on Research Infrastructures (ESFRI)
<b>Reka Rozsavolgyi</b>	Evaluation Unit, DG Research, European Commission
<b>Wolfgang Sandner</b>	Director General and CEO of the Extreme Light Infrastructure (ELI) Delivery Consortium
<b>Luigi Scatteia</b>	PhD, Strategy& part of the Pwc network
<b>Philippe Segers</b>	PRACE- Partnership for Advanced Computing in Europe
<b>Frédéric Sgard</b>	Global Science Forum, Organisation for Economic Co-operation and Development (OECD)
<b>Emanuela Sirtori</b>	CSIL Research Team
<b>Andrew Smith</b>	Head of External relations at ELIXIR
<b>Kai Strzyczynski</b>	Deputy Head of Evaluation Unit, DG Regional and Urban Policies, European Commission
<b>Robert Swerdlow</b>	Jaspers, European Investment Bank (EIB)
<b>Tanja Tanayama</b>	European Investment Bank Institute (EIBI)
<b>Fabio Taucer</b>	JRC, International, Interinstitutional and Stakeholder Relations
<b>Paul Tuinder</b>	Research Infrastructures Unit, Dg Research, European Commission
<b>Silvia Vignetti</b>	CSIL Research Team and University of Milan
<b>Witold Willak</b>	Head of Sector, Major Project Team DG Regional and Urban Policies, European Commission