Individual information (CV)	
Name and academic title	**Dr Matthijs den Besten**
Professor of	Innovation
Grade held in the institution	Assistant Professor
Field of expertise	Innovation, virtual organizations, commons-based peer production
Teaching department	Technology and Innovation Management
Function/mission held in the institution	Assistant Professor
Mail, tel., fax	m.den-besten@supco-montpellier.fr Tel.: +33 (0)467102845 Fax: +33 (0)467451358

1. Education & diploma	
Year & Diploma	**2004**: PhD in Computer Science (Dr.rer.nat.; dept. Intellectics, Darmstadt University of Technology, Germany) **2003**: MPhil in Economic History (University of Oxford, UK); **2000**: MSc in Artificial Intelligence (University of Amsterdam, the Netherlands).
Bio	**Dr. Matthijs den Besten**, assistant professor at Montpellier Business School, arrived in January 2012. Since 2010 he has been involved as teacher and tutor in a master's degree program on Innovation, Regulation and the Digital Economy organized by a coalition of Universities in and around Paris. Matthijs holds a doctorate in Computer Science (2004: Darmstadt University of Technology, Germany). In the course of the post-doctoral fellowships that he has occupied since, Matthijs has sought to bring to bear his expertise in information and communication technologies to the study of society at large. Thus, after a thesis that dealt with issues of concern to *management science*, he first delved into social science *research methodology* with an exploration of the best practices for stakeholder participation in the construction of multi-agent based business models at the University of Surrey, next he touched on *organizational studies* with his studies of virtual organizations of scientists and citizens at the University of Oxford, and finally focused on the analysis of contests for *innovation* at the Ecole Polytechnique. A major topic that Dr. den Besten is currently pursuing is whether and how the organizational practices that have been pioneered by software developers in global collaborations over the past two decades can be leveraged to facilitate *green innovation*.

2. Professional experience	
Date & position held	**Since 2012**: Assistant Professor at Montpellier Business School **2009**: Research Fellow at Ecole Polytechnique. **2006**: Research Fellow at University of Oxford. **2005**: Research Fellow at University Pierre et Marie Curie (Paris 6). **2004**: Research Fellow at University of Surrey.

3. IC: discipline based scholarship	
3.1 Publications	
Journal articles (PRJ) **[8]**	den Besten, M. L. 2012. Using Social Medial to Sample Ideas: Lessons from a Slate-Twitter Contest. *Journal of Systems and Information Technology*, 14(2): 123 – 130.

		den Besten, M. L. 2009. The collaborative redesign of Wikipedia: How templates transformed a content management system into a social networking architecture. ***Design Principles & Practices***, 3(6):175–186.
		den Besten, M. L., Thomas, A. J. & Schroeder, R. 2009. Life science research and drug discovery at the turn of the 21st century. ***Journal of Biomedical Discovery and Collaboration***, 4:2-15.
		Fry, J., Schroeder, R. & den Besten, M. L. 2009. Open science in e-science: Contingency or policy? ***Journal of Documentation***, 65(1), 2009.
		den Besten, M. L., Dalle, J.-M. & Galia, F. 2008. The allocation of collaborative efforts in open-source software. ***Information Economics and Policy***, 20(4):316-322.
		den Besten, M. L. & Dalle, J.-M. 2008. Keep it Simple: A Companion for Simple Wikipedia? ***Industry & Innovation***, 15(2):169-178.
		Schroeder, R. & den Besten, M. L. 2008. Literary Sleuths Online: e-Research Collaboration on the Pynchon Wiki. ***Information, Communication & Society***, 11(2):25-45.
		Gilbert, N., den Besten, M. L., Bontovics, A., Craenen, B., Divina, F., Eiben, A. E., Griffioen, R., Hévízi, G., Lorincz, A., Paechter, B., Schuster, S., Schut, M. C., Tzolov, C., Vogt, P. & Yang, Lu. 2006. Emerging artificial societies through learning. ***Journal of Artificial Societies and Social Simulation***, 9(2).
Books		
Book chapters	**[5]**	den Besten, M. L., Ackland, R., Fry, J. & Schroeder, R. 2010. Collaboration Among e-Research Projects in the UK: An Analysis Using Online Research Methods. In Anandarajan M. & Anandarajan A. (eds.), ***E-Research Collaboration: Theory, Techniques, and Challenges***:153-166. Springer, 2010.
		Wilks, Y. & den Besten, M. L. Key digital technologies to deal with data. 2010. In Jeffreys P. & Dutton W. (eds.), ***World Wide Research: Reshaping the Sciences and Humanities***:107-119. MIT Press.
		David, P. A., den Besten, M. L. & Schroeder, R. 2010. Will e-Science Be Open Science? In Jeffreys P. & Dutton W. (eds.), ***World Wide Research: Reshaping the Sciences and Humanities***: 299-316. MIT Press.
		den Besten, M. L., David, P. A. & Schroeder, R. 2010. Research in e-science and open access to data and information. In Hunsinger, J., Matthew Allen, M. & Klastrup, L. (eds.), ***International Handbook of Internet Research***:65-96. Springer.
		den Besten, M. L., Loubser, M. & Dalle, J.-M. 2008. Wikipedia as a distributed problem solving effort. In Rossi Lamastra, C. & Franzoni, C. (eds.), ***Open Knowledge and the Cooperative Approach to the Production of Research and Innovation***: 73-93. FrancoAngeli, Milan, Italy.
Editorials		Dalle, J.-M., David, P. A., den Besten, M. L. & Steinmueller, W. E. 2008. Empirical issues in open source software. ***Information Economics and Policy [Special issue: Empirical issues in open source software]***, 20(4):301-304.
Book reviews		

3.2 Other written contributions

HDR Thesis	
PhD Thesis	den Besten, M. L. 2004. **Simple Metaheuristics for Scheduling**. PhD Thesis, Technische Universität Darmstadt.
Master Thesis	den Besten, M. L. 2003. **The Emergence of Bioinformatics as a Scientific Discipline**. Master's Thesis, University of Oxford.
	den Besten, M. L. 2000. **Ants for the single machine total weighted**

	tardiness scheduling problem. Master's Thesis, Universiteit van Amsterdam.
Conference papers **[35]**	den Besten, M. et Dalle, J.-M., 2013. Interactions & distributed problem solving: measuring coordination in bug report networks. *International Conference "Interactions in Complex Systems"*, June 17-19, Orleans, France.
	Gambardella, M. et den Besten, M., 2013. Assigning preferences to co-producers selecting goods to contribute to in the Creative Commons. *Journée sur les Modèles basés Agents en Economie,* June 14; Paris.
	David, P. A., den Besten, M., et Pozzi, A. 2013. Rivalry and the Rules of the Game in Collective Problem Solving - Learning more about Open Innovation processes from research on the microeconomics of computer coding competitions. *5th ZEW/MaCCI Conference on the Economics of Innovation and Patenting*. June 3-4, Mannheim, Germany.
	den Besten, M. et Lin, Y., 2013. Brogrammers and bricolage in bug report networks. *Workshop "Is Innovation Gendered?"* May 30, Grenoble, France.
	den Besten, M. L. 2012. Using Social Media to Sample Ideas: Lessons from a Slate-Twitter Contest. *Annual conference of the European Association of Management (EURAM)*, June 6-8, Rotterdam, the Netherlands.
	den Besten, M. L. 2012. Towards a knowledge commons for integrated assessment models of climate change. **International Association for the Study of the Commons (IASC)**, September 12 – 14, Louvain-la-neuve, Belgium.
	den Besten, M. L. & Dalle, J.-M. 2011. Something of a Potemkin Village? Mozilla's efforts to comply with HTML4 before and after Acid2. *Proceedings of the Seventh International Conference on Open Source Systems*, October 5-8, Salvador, Brazil
	den Besten, M. L. 2011. Managing Open Source Software, *SASE 2011*, June 23-25, Madrid, Spain.
	den Besten, M. L., Rossi, A., Gaio, L. & Dalle, J.-M. 2010. Using Metadata Signals to Support Stigmergy. Workshop on Quality in Techno-Social Systems, *4th IEEE International Conference on Self-Adaptive and Self-Organizing Systems,* October 27, Budapest, Hungary. Also presented by A. Rossi as invited lecture at the workshop *Open Source, Innovation, and New Organizational Forms*, August 1, Johannesburg, South Africa, 2011.
	den Besten, M. L., Dalle, J.-M., Rossi, A. & Gaio, L. 2010. On the use ofmarkers to direct crowds. Presented at the workshops *Organizing for Networked Innovation, DIME*, Politecnico di Milano, April 14, Stresa, Italy and *Open Source Innovation*, February 25, Strasbourg, France
	Dalle, J.-M. & den Besten, M. L. 2010. Voting for bugs in Firefox: A voice for mom and dad? In P. Akerfalk, editor, *Proceedings of the Sixth International Conference on Open Source Systems*, number 319 in IFIP AICT, pages 73–84. IFIP International Federation for Information Processing, May 30 – June 2, Notre Dame, Indiana, USA. Also presented at *FLOSS 2010,* July 1-2, Jena, Germany.
	Rossi, A., Gaio, L., den Besten, M. L. & Dalle, J.-M. 2010. Coordination and Division of Labor in Open Content Communities: the Role of Template Messages in Wiki-Based Open Content Collections. *HICSS-43 34rd Hawaii International Conference on Systems Science*, 5-8 January 2010, Koloa, Kauai, Hawai, USA..
	Rossi, A., Gaio, L., den Besten, M. L. & Dalle, J.-M. 2009.Wikibugs: using template messages in open content collections. *Wikisym*,October 25-27, Orlando, Florida, USA
	Den Besten, M. L. 2009. Rich Pickings for Empirical Sociology: Cues from the Web. In: *Proceedings of the WebSci'09: Society On-Line*, 18-20 March 2009, Athens, Greece.

Masmoudi, H., dden Besten, M. L., de Loupy, C. & Dalle, J.-M. 2009. Peeling the onion: The words and actions that distinguish core from periphery in Firefox bug reports, and how they interact together. In K. Crowston and C. Boldyreff, editors, *Proceedings of the Fifth International Conference on Open Source Systems*, pp 284-297, June 3-6, Skövde, Sweden.

Den Besten, M. L. 2009. Ontologies, the Mirroring Hypothesis and Stigler's Law of Eponymy. *Modelling Science,*October 6-9, Amsterdam, the Netherlands.

Den Besten, M. L. 2009. Leaving the door ajar: contests as a means to engage with the community. *FLOSS 2009*, July 2-3, Padua, Italy.

Den Besten, M. L., Loubser, M. & Dalle, J.-M. 2009. Casual compulsions &compulsive casualties: a characterization of user-contributions to Wikipedia. *Annual conference of the European Association of Management (EURAM)*, May 11-14, Liverpool, UK.

Rossi, A., Gaio, L., Dalle, J.-M. & den Besten, M. L. 2008. Novelty creation within organizations: the case of collaborative/user generated content. In Special Panel Session in Honour of James March on Novelty in Organizational Adaptation. *Association of Management Annual Meeting (AOM)*, August 8 – 13, Anaheim, CA.

Dalle, J.-M., den Besten, M. L. & Masmoudi, H. 2008. Channelling Firefox developers: Mom and dad aren't happy yet. In *Open Source Development, Communities and Quality*, pp. 265-271, Springer,September 7-10, Milan, Italy. .

Loubser M. & den Besten, M. L. 2008. Wikipedia admins and templates: the organizational capabilities of a peer production effort. At *Annual conference of the European Association of Management (EURAM)*, June 1-4, Ljubljana, Slovenia.

den Besten, M. L., Rossi, A., Gaio, L., Loubser, M. & and Dalle, J.-M. 2008. Mining for practices in community collections: finds from Simple Wikipedia. In *Open Source Development, Communities and Quality*, pp. 105-120, Springer, September 7-10, Milan, Italy.

den Besten, M. L. & David, P. A. 2008. Mapping e-science's path in the collaboration space: An ontological approach to monitoring infrastructure development. In *Proceedings of the 4th International Conference on e-Social Science*, June 18-19, Manchester. UK..

Dalle, J.-M. & den Besten, M. L. 2007. Different bug fixing regimes? A preliminary case for superbugs. In *Proceedings of the Third International Conference on Open Source Systems*, Limerick, Ireland.

den Besten, M. L. & Dalle, J.-M. 2007. Collaborative maintenance of collections - keep it simple: a companion for simple wikipedia? At *EURAM 2007*, Paris, France.

den Besten, M. L., Masmoudi, H. & Dalle, J.-M. 2007. Working with open source development data: Considerations triggered by a study of bug scenarios. *2nd International Workshop on Public Data about Software Development*, Limerick, Ireland, June 14th.

David, P. A., den Besten, M. L. & Schroeder, R. 2006. How open is e-science? In Peter Sloot and Anne Trefethen, editors, *E-SCIENCE '06: Proceedings of the Second IEEE International Conference on e-Science and Grid Computing*, pp. 33-41, Amsterdam, 4-6 December 2006. IEEE Computer Society.

den Besten, M. L. & Dalle, J.-M. 2006. Keep it simple: Editorial control atsimple.wikipedia.org. **Héphaïstos Conference – First International Conference on Collaborative Development Platforms**, November 16-17, Paris, France.

den Besten, M. L., Dalle, J.-M. & Galia, F. 2006. Collaborative maintenance in large open-source projects. In Damiani, E., Fitzgerald, B., Scacchi, W.,

	Scotto, M. & Succi, G. (eds.), ***Open Source Systems***, volume 203 of IFIP International Federation for Information Processing, pages 233-244, Boston, 2006. Springer. Received best paper award.
	Dalle, J.-M., Daudet, L. & den Besten, M. L. 2006. Mining CVS signals. ***Workshop on Public Data about Software Development (WoPDaSD 2006)***, July 8-10, Como, Italy.
	den Besten, M. L. & Dalle, J.-M. 2005. Assessing the impact of product complexity on organizational design in open source software: Findings & future work. ***ECCS 2005 Satellite Workshop: Embracing Complexity in Design***, pages 7-14, November 14 - 18, Paris, France.
	Gilbert, N., Schuster, S., den Besten, M. L. & Yang, L. 2005. Environment design for emerging societies. In ***Artificial Intelligence and the Simulation of Bahavior***, pages 57-63, Hatfield, UK, April 2005.
	den Besten, M. L. & Stützle, T. 2001. Neighborhoods revisited: An experimental investigation into the effectiveness of variable neighborhood descent for scheduling. In ***MIC'2001 - 4th Metaheuristics International Conference***, pages 545-550, July 16-20, Porto, Portugal.
	den Besten, M. L., Stützle, T. & Dorigo, M. 2001. Design of iterated local search algorithms: An example application to the single machine total weighted tardiness problem. In Boers, E. et al. (eds.), ***Applications of Evolutionary Computing***, volume 2037 of LNCS, pages 441-451, Berlin, Germany, 2001. Springer Verlag, April 18-20, Como Italy
	den Besten, M. L., Stützle, T. & Dorigo, M. 2000. Ant colony optimization for the total weighted tardiness problem. In Schoenauer, M. et al. (eds.), ***Parallel Problem Solving from Nature: 6th international conference***, volume 1917 of LNCS, pages 611-620, Berlin, Germany, September 2000. Springer Verlag, September 18-20, Paris, France

3.3 Research activities

Supervision of doctoral research	**2006-2011**, Héla Masmoudi, **La résolution distribuée dans les communautés Open Source: propriétés organisationnelles et modes de coordination**, University Paris Dauphine (Co-supervision with Prof. J.-M. Dalle).
Participating in PhD committees	**2012:** Georges Dafermos, Delft University of Technology.
	In addition, participation in "confirmation of status" committee for L. Power (University of Oxford, 2009) and "pre-soutenance" of E. Ruze (Ecole Polytechnique, 2009).
Journal reviewing [16]	**2013:** *Research Policy* (1 paper)
	Information and Software Technology (1 paper)
	International Journal of the Commons (1 paper)
	2012: *Orbit* (1 paper)
	International Journal of Machine Learning and Cybernetics (1 paper)
	New Media & Society (1 paper)
	Science Journal of Electrical and Electronic Engineering (1 paper)
	2011: *Critical Studies in Peer Production* (1 paper)
	Computer Supported Cooperative Work (1 paper)
	2010: *Policy & Internet* (1 paper)
	2009: *Design Principles & Practices* (1 paper)
	Policy & Internet (1 paper);
	2008: *Design Principles & Practices* (1 paper)
	Information Economics and Policy (co-editor of special issue)
	Information, Communication & Society (1 paper)
	2007: *Journal of Artificial Societies and Social Simulation* (1 paper)
	Science Studies (1 paper)

Organizer of conferences & workshops	
Participating in the organization of conferences & workshops	**2013: ECIS** Associate Editor
Session chair in major conferences, keynote speaker, invited speaker, discussant, organizer of round tables & symposia **[5]**	**2012:** *EURAM* Discussant, Rotterdam, the Netherlands.
	2009: *EURAM* Discussant, Liverpool, UK.
	2009: *FLOSS* Discussant, Jena, Germany.
	2008: *EURAM* Discussant, Ljubljana, Slovenia.
	2006: *e-Science Conference* Discussant, Manchester, UK.
Research grants & awards **[11]**	**2012**: Visiting scholar CSIC, Madrid, Spain
	2011: Visiting scholar Bocconi, Milan, Italy (ESF)
	2009 -2012: Chaire Innovation et Régulation des Services Numeriques (Orange).
	2006-2009: James Martin Fellowship
	2006: Best Paper award 2nd intl conference on open source systems
	2005: Calibre project (EU FP7)
	2004: SimWeb Project (EU FP7)
	2003: Visiting scholar University of Algarve (DAAD)
	2001: Visiting scholar University of Bologna (DAAD)
	2001: Grant for MPhil studies (ESRC)
	2000: Research Grant for PhD studies (Metaheuristics Network, EU FP6)
Working Papers, Research Seminars, Editorial board member of journals, etc **[7]**	Lissoni, F., den Besten, M. L., Maurino, A., Pezzoni. M. & Tarasconi, G. 2011. APE-INV Users' feedback project, Academic Patenting in Europe Research Memorandum, April 2011.
	den Besten, M. L., David P. A. & Pozzi, A. 2010. Drivers of Individual Competitive Effort and Performance Improvements in Open Problem-solving: Evidence from the MatLab Contests. MCCSDC Discussion Paper 5, October 2010.
	David, P. A. & den Besten, M. L. 2010. Rivalry and the rules of the game in collective invention: effort and performance by the ensemble of MatLab contest participants under alternative information access conditions. MCCSDC Discussion Paper 2, January 20, 2010 [presented at SIEPR SocSci & Tech Siminar, Stanford]; revised May 2010 [at DIME workshop, Sant'Anna School, Pisa]; October 2010 [at Project Workshop, Paris].
	David, P. A. & den Besten, M. L. A new approach to understanding competitive and cooperative interactions in distributed innovation: The MatLab competition as a paradigmatic laboratory for micro-level studies of collective creativity. MCCSDC Discussion Paper 1, July 6, 2009.
	den Besten, M. L. 2010. The MatLab Archive Dataset for 8 contests: Data-cleaning and construction of variables. MCCSDC Research Memorandum 1, July 2010.
	den Besten, M. L. 2009. Panelizing the MatLab Contest Datasets: Probabilistic Matching of Repeat Participant ID's across successive contests. MCCSDC Research Memorandum 2, December 2009.
	den Besten, M. L. & de Bouville, P-P. 2011 Evolution of Competition Norms, Behavior and Formal Rules in the MatLab Contests – 1998 to 2011. MCCSDC Research Memorandum 3, ver.1 March 2011; revised August 2011.
3.4 Other activities or contributions	
Other activities non defined above	ECIS 2013 Associate Editor
	Reviewer for MIT press (2 times).

	Reviewer for EURAM (2012), HICSS (2008, 2011), OSS (2008.
	Review of research proposal to Research Council of the Académie universitaire 'Louvain' (2011)

4. IC: Learning & Pedagogical Scholarship	
4.1 Publications	
Journal articles (PRJ)	
Professional/Trade Journals	
Books (Monographs & Textbooks)	
Book chapters	Barlette, Y., den Besten, M. L. & Khédhaouria (forthcoming), Des innovation technologiques aux innovations managériales. In le Roy, F. and Jaouen, A. (eds.) **Management de l'Innovation**.
4.2 Other written contributions	
Cases	
Conference papers	den Besten, M. L. 2008. Wikipedia: the organizational capabilities of a peer production effort. ***Oxis/Ofcom Social Networking Conference***, London, UK.
4.3 Learning & pédagogical activities	
Organizer of conferences & workshops	
Participating in the organization of conferences & workshops	
Faculty workshop	2012: TIM, Montpellier Business School Delft University of Technology Wirtschaftsuniversitaet Wien.
Other *(Working Papers, Seminars, Editorial board member of journals, administrative/executive board member of pedagogical or teaching associations/institutes, supervision of Master or MBA thesis, presentations with pedagogical content for students or faculty)*	Supervision of Master Thesis for Master IREN (2011:1; 2010: 1)
4.4 Other activities or contributions	
Other activities non defined above	

5. IC: Contributions to Practice	
5.1 Publications	
Journal articles (PRJ)	
Professional/Trade Journals	Fry, J., den Besten, M. & Schroeder, R. 2007. E-science: Where are we now, where do we go next? ***CILIP Update***, June.
Books (Monographs & Textbooks)	
Book chapters	
5.2 Other written contributions	
Conference papers	
Technical or Consultancy reports **[3]**	Dalle, J.-M., den Besten, M. L., Masmoudi, H. & David, P. A. 2008. Bug-patching for Mozilla's Firefox. Technical report, Oxford Internet Institute, 2008. Revised version of the "Brief" with the same title that is posted with other papers from the OII-MTI research project on Performance of Distributed Problem-Solving Networks (Oxford Internet Institute (August 2007- February 2008)). den Besten, M. L., Loubser, M. & Dalle, J.-M. 2008. Wikipedia as a distributed problem solving network. Technical report, Oxford Internet

	Institute. Brief for OII-MTI project on Performance of Distributed Problem Solving Networks.
	den Besten, M. L. 2005. Best practice guidelines for participatory modelling. Deliverable 4.1, SimWeb Project, March.

5.3 Activities related to practice	
Consulting	
Organizer of conferences & workshops	**2010: *Governance of on-line communities*** (May; with Jean-Michel Dalle and Pierre-Jean Benghozi, Ecole Polytechnique/Telecom ParisTech)
Participating in the organization of conferences & workshops	
Faculty workshop	
Working Papers, Seminars, etc.	den Besten, M. L. 2011. Data users' feedbacks: useful experiences for APE-INV. **3rd "Name Game" workshop on** patent, ULB, Brussels, Belgium, September 5-6.

5.4 Other activities or contributions	
Other activities non defined above	Member of CODATA Task Group "Global Information Commons for Science Initiative – EU Activities" (since 2011)
	Member of OSSWatch advisory board (2006-2009)
	Member of "Office of Fair Trading future advisory board" (2008).

6. Teaching	
Courses taught	**2012**: Innovation Management, ESC Graduate, GSCM
	2012: Categories of Innovation, ESC Graduate, GSCM
	2010-2013: Open source and community production, Master IREN, Paris

7. Additional personal information	
Language skills	Dutch (native), English & French (fluent), German & Russian (advanced), Norwegian (basic), Portuguese, Latin, Ancient Greek (notions).
Computer skills	MS Office, R, sed/awk, prolog, C, C++, Java, Lisp.
Other	

Synopsis of intellectual contributions per category			
	PRJ	**OIC**	**Total**
Discipline based	**8**	**50**	**56**
Learning & pedagogical	**0**	**2**	**0**
Practice	**1**	**4**	**5**
Total	**9**	**56**	**65**