

# **Learning and Innovation in Resilient Systems 2015**

Faculty of Management, Science and Technology  
(MST)

**Author(s):** Petru L. Curseu & Annemarie Cremers

**Version:** 0.1

**Date:** 27.05.2016

## Research programme

### *Learning and Innovation in Resilient Systems*

#### 1 Objectives and Research Area

The research program “Learning and Innovation in Resilient Systems” was approved by the Dean of the Faculty of Management, Science and Technology (MST) in December 2015 and it integrates the research carried out in the seven departments of MST, across three scientific disciplines: Management Science, Natural Sciences and Computer Sciences. Given the heterogeneity of the scientific disciplines represented in MST, the research program has an interdisciplinary character and the main goals of the research program are: (1) to present research within the faculty in a coherent way, (2) to build bridges between departments and encourage multidisciplinary research, (3) to guide future research directions within the faculty, and (4) to enable participation in research assessments in the future.

#### Research Area & Research Lines

The focus of the research program is on resilient systems with the general aim of *increasing our understanding of the innovative and learning capacity of resilient systems, with a focus on (i) information and computer systems, (ii) organizational and management systems, and (iii) environmental systems*. The interdisciplinary research within MST is organized in three research lines (Resilience, Learning and Innovation) that bridge the three main scientific domains (Management Science, Natural Sciences and Computer Sciences) represented in the school. A survey carried out within MST in 2014 shows a rather balanced distribution of researchers within the three research lines: resilience (48), learning (45) and innovation (38). There are various indicators that reflect the multidisciplinary character of the MST research program. The first one, refers to the fact that many individual researchers carry out multidisciplinary research and they are active in more than one research line. Research papers like Becker, Huitema & Aerts (2015), Jordan, Huitema et al (2015), Caniëls & Rietzschel (2015), Tabuenca, Kalz, Drachsler & Specht (2015), Van der Heijden, Gorgievski & De Lange (2015), Hagmann, Semeijn & Vellenga (2015), Ooms, Bell & Kok (2015) illustrate the multidisciplinary research interest of the MST researchers. Second, some of the MST researchers are members in the editorial boards of international journals with a clear multidisciplinary focus (Dave Huitema is associate editor of Ecology and Society, Raoul Beunen is on the editorial board of Journal of Environmental Planning and Management, Majolein Caniëls is member on the editorial board of Creativity and Innovation Management). The third one refers to the research symposia organized monthly within MST. All MST researchers are invited to attend these meetings that create a platform for interdisciplinary dialogue and aim at stimulating multidisciplinary research.

##### 1.1 Strategy

The strategic aims for 2015 were:

- (1) to increase the national and international visibility of the research program by publishing the research results in established scientific journals
- (2) to strengthen the existing collaborations with external partners and build new collaborations along the lines of the research program, and
- (3) to contribute to the international research agenda and attempt to attract research funds from various funding agencies

One of the main challenges for the research strategy development and implementation refers to the heavy teaching load generated by increasing student numbers. In terms of steering mechanisms, during 2015 input, process and output steering mechanisms were used to cope with this and other challenges. In terms of *inputs*, MST continued to invest strategic funds in research and focused on attracting scholars with a good research track record and also invested in hiring three post-doctoral researchers to support the research integration across departments. Although the heavy teaching load is a generic problem among the MST department, it is attempted to preserve a 30% research time for the MST researchers. In terms of *process*, various research meetings are organized within MST. Some of these research meetings are organized at the department level, while at the school level an MST seminar is organized monthly. These research

meetings aim at increasing collaboration within as well as between departments, as research collaboration is expected to improve both the individual and group level research performance. Given the teaching tradition in Open Universiteit in general and MST in particular, an important challenge was to stimulate all academic personnel (Assistant Professors, Associate Professors and Full Professors) to acquire a PhD. During the last years, teaching personnel was facilitated in terms of time allocation and supervision to engage in a PhD trajectory and in 2015, 89% of the academic personnel within MST had a PhD. Finally, in terms of *output* steering, researchers are stimulated to publish in leading international journals with a clear focus on ISI listed outlets. Moreover, MST supports the researchers to attend international conferences and play an active (leading) role in organizing workshops and symposia during major international research events. This will ultimately enlarge the national and international collaboration network of the MST researchers.

## 1.2 Research environment and embedding

MST has its own graduate school, the “PhD school” headed by Prof. Harold Krikke that currently has a number of 70 PhD students. The MST researchers are also embedded in the Doctorate School at the university level and during 2015, 13 PhD students have successfully defended their PhD theses in MST. Next to the internal supervision, MST researchers were invited to take part in several PhD committees across The Netherlands and abroad. During 2015, MST researchers worked in research partnerships with 95 research organizations or associations worldwide. Among these partnerships, MST researchers were involved in: (1) research collaborations that yielded a substantial number of publications, (2) active participation in professional associations reflected by the organization of various workshops at international conferences and (3) contract research for external partners. These collaborations have the potential of improving the international visibility of the MST research and generate a sustainable network of partners that will further support the development of research climate within MTS.

## 2 Content of research program

Systemic resilience is the core theme underlying the MST research program. Whilst resilience has often been associated with continued performance and stability of certain systems under stress (a conservative element), it can and will here be interpreted in a way that emphasizes the need for adaptation and even transformation (a proactive and change focused aspect). In this vein we argue that resilient systems are those that combine *exploration* and *exploitation* capacities. Exploration is needed to spot new developments, analyze and assess them so that the system can be amended if the need arises. Exploitation is about fine tuning the functionality of the system under the current conditions, so that effectiveness and efficiency gains are made. Both learning and innovation are deemed necessary for systems to become and remain resilient. In the MST program we take a relational perspective on learning as a core process that secures adaptation and change. Therefore, learning is what makes systems ready for innovating, but innovation is also about organizational and political processes, and the agency embedded therein. Novel ideas and concepts do not develop, diffuse and impact the world just by themselves: they need to be stimulated. Particularly in the relation between innovation and learning MST can build upon the existing frontrunner position of the OU in the field of understanding and facilitating learning processes. MST can contribute to this through combined expertise from Management Science, Natural Sciences and Computer Sciences. An overview of the three research lines within MST is presented below.

The **Resilience** research line is coordinated by Harald Vranken and the main aim of this research line is to increase our understanding of the capacity of systems to absorb disturbance and reorganize while undergoing change so as to still retain essentially the same function. Research topics that are representative of this research line are: green IT; security of on-line banking and smart grids; sustainable HRM; sustainable business models for OER; social entrepreneurship; supply chain management and environmental modelling and risk assessment.

The **Learning** research line is coordinated by Marjolein Caniëls and its main aim is to improve our understanding of learning by individuals, groups and organizations. Research topics that are addressed in this research line are: automated feedback and virtual labs; didactics for teaching in computer science; social learning by stakeholders; learning by groups and organizations and learning in interactive networks.

The **Innovation** research line is coordinated by Dave Huitema and the main aim of this research line is to enhance our knowledge of how innovations emerge, diffuse and impact the world, and the role of agency therein. Relevant research topics are: the role of policy entrepreneurs in environmental governance; business intelligence and smart services; the role of scientists in the diffusion of Novel environmental policy concepts; financial accounting innovations; the impact of new IT technologies on business process management and innovative business models.

MST research in these three lines is funded mainly through direct funding, yet part of the research is also funded through research grants and contract research. A short overview of these three funding lines is presented below and the exact funding amounts are presented in Table 2.2.

<p>Direct funding (1)</p> <p>Most of the research is financed through direct funding and an important addition to the research budget is the “Stimuleringsfonds Onderzoek” granted by the Executive Board (College van Bestuur) to the MST school. During 2015, three post-docs were financed from this research fund as well as one Chair in Organizational Behavior.</p>
<p>Research grants (2)</p> <p>The only research grant that was obtained during 2015 from NWO was “The Practice of sustainable business models: the case of circular supply management”, grant obtained by Marjolein Caniëls in collaboration with Tilburg University. One PhD student is financed through this grant.</p>
<p>Contract research (3)</p> <p>During 2015 MST researchers were involved in various contract research projects. Marko van Eekelen was involved in projects with the Politieacademie, Nederlandse Vereniging van Banken and EU, Ansje Löhr was involved in projects with Provincie Limburg and the United Nations, Tinka van Vuuren was involved in a project with Provincie Limburg, while Judith Semeijn realized a project with VSNU. A complete list of the contract research carried out by MST researchers during 2015 is presented in Appendix 3.</p>

### 3 Calls and proposals

#### 3.1 For which calls proposals are submitted in the reporting year?

During 2015, MST researchers have applied for research grants to the EU funding agencies and also to NWO.

#### 3.2 What was the selection strategy for calls? Which type of calls had the focus?

During 2015, MST researchers focused on applying for research grants and also on acquiring contract research. The target funding agencies in the future are NWO as well as European funding agencies. An overview of the grant applications made by MST researchers during 2015 is presented in Appendix 3.

#### 4 Resources and facilities

Currently 103 academic personnel with research time are affiliated with the MST school. The research investment strategy followed by MST increased the average percentage of research time per FTE from .32 in 2014 to .36 in 2015. To date, most of the research time is financed directly by MST and it is the ambition that in the coming years, the contribution of research grants and contract research to research funding should increase. In an effort to further stimulate research within MST, during 2015 eight Chairs with a research component were filled. The newly appointed professors are: Prof. M. Kalz (Open Educational Resources), Prof. W.F.M. Bams (Financial Management and Financial Markets), Prof. W. F. J. Buijink (Accounting), Prof. J. H. Semeijn (Strategic Human Resources Management), Prof. Jos J.M. Trienekens (Information Management in Educational Value Networks), Prof. Stefanie Kleimeier (Entrepreneurial Finance and Banking), Prof. Dave Huitema (Milieubeleid) and Prof. P.L. Curseu (Organizational Behavior). A more detailed description of the specific Chairs for each of professors appointed in 2015 is presented in Appendix 2. The role of the newly appointed professors is to further develop the MST research program and to increase its visibility at the national and international level.

Researchers

Table 2.1: Research staff at programme level

	2015		
	#	FTE	Research FTE
Scientific staff: <sup>1</sup>			
Professor (hoogleraar)	31	10.18	3.59
Associate Professor (UHD)	11	6.97	1.82
Assistant Professor (UD)	42	30.30	8.12
Post-docs <sup>2</sup>	4	1.80	1.8
PhD candidates <sup>3</sup>	10	6.48	5.01
Lecturers	5	3.76	1.12
<b>Total res. staff</b>	<b>103</b>	<b>59.49</b>	<b>21.46</b>
Lab Technicians			
Visiting fellows			
<b>Total staff</b>			

- #: Total number of staff members
- FTE: Research Capacity in Full Time Equivalents
- Standards for Research Capacity (in case of part time appointment adjustment is needed):
- <sup>1</sup>Professor, Assistant Professor and Associated Professor: Research Capacity = 20-40% of the appointment (if not otherwise specified)
- <sup>2</sup>Post-doc: Research Capacity amounts to 90% of the appointment (if not otherwise specified)
- <sup>3</sup>PhD candidate: Research Capacity amounts to 80% of the appointment (all categories)

#### 4.1 Research funds

Table 2.2: Funding

Chair Group	2015	
	FTE	%
<i>Funding:</i>		
Direct funding (1)	FTE = 19.64	91.53%
Research grants (2)	FTE = 0.6	2,79 %
Contract research (3)	FTE = 1.22	5.68 %
Other (4)	FTE = 0	0%
<b>Total funding</b>	<b>FTE = 21.46</b>	<b>100%</b>

<i>Expenditure (to be delivered by the central financial administration)</i>		
Personnel costs	k€	%
Other costs	k€	%
<b>Total expenditure</b>	<b>k€</b>	<b>%</b>

Note 1: Direct funding by the University

Note 2: Research grants obtained in national and international scientific competition (e.g. grants from NWO, KNAW and European Research Council)

Note 3: Research contracts for specific research projects obtained from external organisations, such as industry, governmental ministries, European Commission, charity organisations

Note 4: Funds that do not fit into the other categories

## 5 Research Quality

Research quality is a central element of the MST research program. MST researchers are encouraged to publish in ISI listed journals, and the number of ISI listed publications increased from 56 in 2014 to 78 in 2015 (an overview of the research output per different categories is presented in section 5.1 and the complete list of publications is presented in Appendix 1). This substantial increase in the ISI listed publications reflects the general preoccupation for publishing MST research in high quality peer-reviewed outlets (we report below five key publications for 2015, all published in journals listed in the first quartile of their respective category in ISI Web of Science). Other important indicators of research quality are:

- (1) the awards received by the MST researchers during 2015 (for example best paper awards from Creativity and Innovation Management and European Journal of Work and Organizational Psychology as well as best paper awards at international conferences),
- (2) the keynote addresses at international conferences and research meetings and
- (3) the active presence in editorial boards of well-respected international journals.

A comprehensive list of these marks of recognition is presented in section 5.2.

### Five key publications 2015

Jordan, A. J., Huitema, D., Hildén, M., van Asselt, H., Rayner, T. J., Schoenefeld, J. J., ... & Boasson, E. L. (2015). Emergence of polycentric climate governance and its future prospects. *Nature Climate Change*, 5, 11, 977-982.

Van der Heijden, B.I.J.M., Gorgievski, M.J., & De Lange, A.H. (2015). Learning at the workplace and sustainable employability: a multi-source model moderated by age. *European Journal of Work and Organizational Psychology*, 25(1), 13-30.

van Wijnen, J., Ivens, W. P., Kroeze, C., & Löhr, A. J. (2015). Coastal eutrophication in Europe caused by production of energy crops. *Science of The Total Environment*, 511, 101-111.

Ooms, W., Werker, C., Caniëls, M. C., & van den Bosch, H. (2015). Research orientation and agglomeration: Can every region become a Silicon Valley? *Technovation*, 45, 78-92.

Schenkel, M., Krikke, H., Caniëls, M. C., & van der Laan, E. (2015). Creating integral value for stakeholders in closed loop supply chains. *Journal of Purchasing and Supply Management*, 21(3), 155-166.

(this section follows the definitions of the manual 'Registratie van onderzoeksoutput' U2014/06042/JRI 2-9-2014)

## 5.1 Demonstrable products – Research products for peers in science

Table 5.1: Main categories of research output

	2015				
Academic publications			Open Access*		
			A	B	C
a. refereed articles	108		4		1
b. non-refereed articles	2				
c. books	9				
d1. refereed book chapters	25				
d1. non-refereed chapters					
e. PhD thesis	13				
f. conference papers	114				
<b>Total</b>	<b>271</b>				

From the scientific publications reported in Table 5.1, 76 were attributed to the Innovation research line, 113 to the Learning line and 82 to the Resilience research line. Moreover, from the refereed articles, 78 were published in ISI listed journals and the other 30 in other peer-reviewed journals.

Table 5.2: Other categories of research output

	2015	
Professional publications		
a. journals	21	
b. books	3	
c. book-chapters	2	
d. annotations	0	
e. conference papers	23	
f. protocol		
g. rapports	19	
<b>Total</b>	<b>68</b>	

From the publications reported in Table 5.2, 23 were attributed to the Innovation research line, 28 to the Learning line and 17 to the Resilience research line.

Table 5.3: Other categories of research output

	2015	
General publications		
a. book or book-chapter	1	
b. article in a popular journal	7	
c. contribution to newspaper-article or weekly	34	
<b>Other publications</b>		
a. abstract	2	
b. review	2	

c. guest-editor of book or journal	4	
d. editor of journal	27	
e. inaugural lecture	2	
f. contribution on internet, tv, radio	19	
<b>Total</b>	<b>98</b>	

From the publications reported in Table 5.2, 29 were attributed to the Innovation research line, 35 to the Learning line and 34 to the Resilience research line.

\*Reporting Open Access published peer-reviewed articles is an addition to the format based on VSNU agreement with the Ministry of Education, Culture and Science.

A peer-reviewed Open Access published article is gratis and permanently available on the website of the publisher or in a trusted repository. Preprints that are often archived in repositories are excluded.

Three categories of Open Access are distinguished:

Category A: Gold OA based on the list of Open Access Journals (DOAJ: <https://doaj.org/>)

Category B: Gold not DOAJ classified/ Hybrid (ACP deals with Springer and other publishers)

Category C: Green OA only. The Article is OA only and is available via a trusted repository

Articles that are intended to be OA but are published under embargo on the reference data (31-12-2015), are considered non-OA until the moment the embargo is lifted. Such articles can be included in the report of 2016



## 5.2 Marks of recognition

*Indicate which events, grants, keynotes of staff etc. are achieved in the reporting year.*

<b>Science awards, Scholarly prizes, Research grants awarded to individuals, Veni/Vedi/Vici</b>		
<i>Person</i>	<i>Prize</i>	<i>Venue</i>
Heijden van der, B	Best Contribution Conference	XIII Congresso Nazionale della Sezione di Psicologia per le Organizzazioni. Palermo, 2015, 17-19th September
Heijden van der, B	Best Paper Award, IMR Internationalisation Grant Of € 1.500	IMR Research Day & PhD Research Day- 'Alone you may go faster, but together we go further!' 2015, 25 best accepted papers in the programme of the 2015 Academy of Management Meeting (August 7-11, Vancouver, BC, Canada) and is published in the best paper proceedings June. Institute for Management Research, Radboud University, Nijmegen
Ooms, W	Best Paper Award 2015	Creativity and Innovation Management Journal.
Ooms, W	Best Reviewer Award 2015 Technology and Innovation Management Division	The Academy of Management Annual Meeting 2015 in Vancouver, Canada.
Curseu, P	Best Paper Award 2015	European Journal of Work and Organizational Psychology
Caniels, M	Best Accepted Papers	Programme of the 2015 Academy of Management Meeting (August 7-11, Vancouver, BC, Canada), published in Best Paper proceedings
Caniels, M	Best Course	Faculty of Management, Science and Technology, 2014
Caniels, M	Best Paper Award 2014	CIM journal
Gelderman, C	2nd Best Healthcare Paper Award	24th International IPSERA Conference (Amsterdam, the Netherlands, 2015)
Gelderman, C	Best Paper Award IFPSM (International Federation of Purchasing and Supply Management)	24th International IPSERA Conference (Amsterdam, the Netherlands, 2015).
Hommersom, A	Best Paper Award ECSQARU	Proceedings of Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2015), LNCS 9161, 376-386, Compiègne, France
Versendaal, J	PON Essayprijs 10-12-2015	Bedrijfsprocessen uit de Cloud. Platform Outsourcing Nederland
<b>Plenary/Keynote* Lectures at major conferences</b>		
<i>Person</i>	<i>Conference</i>	
Heijden van der, B	<b>Keynote Lecturer</b> 13de POOLL-conferentie Hoger Onderwijs en Arbeidswereld. Leren op de werkplek: Over stages en informeel leren van werknemers. Januari 7, 2015, KU Leuven, België	
Heijden van der, B	<b>Keynote Lecturer</b> UCL (University College London) Research staff conference: Research horizons going forward, June 30, 2015, Welcome Collection, London.	
Heijden van der, B	<b>Keynote Lecturer</b> the Division of Occupational Psychology, The British Psychological Society, Northumbria University, Newcastle upon Tyne, June 4, 2015.	
Heijden van der, B	<b>Keynote Lecturer</b> XXIII Conference of the Estonian Human Resource Management Association PARE. Pärnu, Estonia, April 16-17, 2015	
Huitema, D	<b>Keynote Lecturer</b> the Seven Challenges for Sustainability Meeting on The Global Water Crisis, Lund (Sweden), April 9, 2015.	
Huitema, D	<b>Keynote address</b> at the Opening Seminar of the Amsterdam Water Science institute, Amsterdam, 26-11-2015, with the address "Adaptief waterbeheer, een governance perspectief"	
Vuuren van, T	<b>Chair</b> of Symposium 'Motivating Sustainable Labour Participation by Building on Self-Determination Theory'. Symposium organized for the 17th Conference of the European Association of Work and Organizational Psychology (EAWOP), Oslo, Norway, May 20-23, 2015.	

Vuuren van, T	<b>Chair</b> of symposium Sustainable Careers and HRM practices. Symposium organized for the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, June 21-25, 2015
Versendaal, J	<b>Research co-chair</b> 28th Bled eConference June 7-10, 2015. Bled, Slovenia.
Petru Curseu	<b>Keynote speaker</b> at the Organizational Behavior Division of the European Academy of Management Conference (Warsaw, Poland) with the address " <i>Emergence in teams</i> "(17.06.2015)

### **Organisation of International Scientific Conferences**

<i>Person</i>	<i>Conference</i>
Dave Huitema	Principal organizer Workshop of Entrepreneurship in Climate Governance. International Workshop, Amsterdam May 2015.
Dave Huitema	Co-chair panel "The innovation of adaptation policies across scales" at the 2 <sup>nd</sup> biannual European Climate Change Adaptation (ECCA) Conference, Copenhagen, 15-5-2015.
Tinka van Vuuren	Chair of symposium <i>Sustainable Careers and HRM practices</i> . Symposium organized for the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.
Tinka van Vuuren	Chair of Symposium ' <i>Motivating Sustainable Labour Participation by Building on Self-Determination Theory</i> '. Symposium organized for the 17th Conference of the European Association of Work and Organizational Psychology (EAWOP), Oslo, Norway, May 20 <sup>nd</sup> -23 <sup>th</sup> 2015.
Petru L. Curseu	Chair of the Team Performance Management track at the European Academy of Management Conference (Warsaw, Poland) with the address (17.06.2015)

### **Editorships and editorial boards**

<i>Person</i>	<i>Journal / Book</i>	<i>Editorship role</i>
Barendsen, E	Informatics in Education	Member Editorial Board
Beunen, R	Journal of Environmental Planning and Management	Member Editorial Board
Beunen, R	Landschap. Tijdschrift voor landschapsonderzoek	Member Editorial Board
Huitema, D	Ecology and Society	Associate editor
Huitema, D	Annual Review of Policy Design	Member Advisory Editorial Board
Huitema, D	Beleidsonderzoek Online	Member Editorial Board
Huitema, D	Climate Risk Management	Member Editorial Board
Huitema, D	Global Environmental Change	Member Editorial Board
Ivens, W	CLEAN – Soil, Air, Water	Member Advisory Board
Kraker de, J	Aegean Journal of Environmental Sciences	Member Editorial Board
Kroeze, C	Milieu	Member Advisory Editorial Board
Kroeze, C	Carbon Management	Member Editorial Board
Perez Salgado, P	Onderwijsinnovatie	Member Scientific Board
Perez Salgado, P	Milieu	Member Milieu Dossier
Weber, M	Geluid	Member Editorial Board
Kleimeier, S	Finance Research Letters	Associate Editor
Kleimeier, S	International Review of Financial Analysis	Member Editorial Board
Kleimeier, S	International Review of Financial Analysis	Subject Editor: European Finance
Kleimeier, S	Journal of Financial Economic Policy	Member Advisory Editorial Board
Kleimeier, S	Journal of Financial Research	Associate Editor
Caniels, M	Creativity and Innovation Management	Member Editorial Board
Curseu, P	Team Performance Management	Editor in Chief
Curseu, P	Journal of Community and Applied Social Psychology	Member Editorial Board
Curseu, P	Journal of Managerial Psychology	Member Editorial Board
Smid, G	Tijdschrift Management & Organisatie	Member Editorial Board
Semeijn, J	Employee Relations (ISI)	Member Editorial Board
Semeijn, J	Gedrag & Organisatie (ISI), reeks Duurzame Inzetbaarheid	Member Editorial Board
Semeijn, J	LoopbaanVisie (professioneel vakblad)	Member Advisory Editorial Board

Hommersom, A	Foundations of Biomedical Knowledge Representation: Methods and Applications, Springer 2015	Editor
Versendaal, J	Proceedings 28th Bled eConference, June 7-10, 2015.	Editor
Roubtsova, E	Post-proceedings of the six International workshops on Behaviour Modelling-Foundations and Applications. BM-FA2009-2014, LNCS 6368. Springer 2015	Member Editorial Board
Eekelen van, M	Special Issue on Foundational and Practical Aspects of Resource Analysis (FOPARA) 2009 & 2011. Science of Computer Programming. Vol. 111. Part 3, pp 363-557. Elsevier, 2015.	Editor
<b>Memberships of academies</b>		
<i>Person</i>	<i>Member of... from... until...</i>	

## 6 Relevance to society

Through the very nature of its educational programs, MST is deeply committed to attend to the educational needs of professionals and as such to serve a large variety of social groups. The MST research program builds on this commitment to society and aims at bridging the gap between the academic world and practice.

A clear example of this commitment is the Business Intelligence & Smart Services Institute (BISS) built as a multidisciplinary cooperation between Open University of the Netherlands, Maastricht University, and Zuyd University of Applied Science and aimed at fostering regional economic growth. MST plays an important part in BISS with the main aim to facilitate a close interaction of academics with regional business and other organizations in order to foster the transfer of academic knowledge into the community, to improve services and develop new ideas for organizational development and growth.

Another way in which MST research contributes to society is through the PhD program. Most of the PhD students that graduated in 2015 are external PhD students, meaning that they often work on their PhD research next to having another job in another organization. The topics addressed in the PhD theses are therefore directly related to real issues organizations (or society in general) are confronted with and create a direct academic knowledge transfer to society. A particularly important initiative for research valorization is the Ghana PhD program, within the PhD School. In this program 7 PhD students from Ghana work on their PhD research under the supervision of MST researchers. Most of the PhD theses address issues highly relevant for the general social and economic context in Ghana and as such, ensure a direct knowledge transfer from the academic world to society.

Scientific research is transferred to society through communications via various media channels. During 2015 the MST researchers were actively involved in popularizing and communicating to the large public some of the research carried out in the three research lines, as illustrated by the 68 professional publications, 42 publications in general media and 19 contributions via internet, tv or radio.

### 6.1 Demonstrable products - Research products for societal target groups

*Table 4.1 - Main categories of output for societal target groups (table format facultative)*

	Year	Output
<b>Societal relevant output</b>		
I. Professional publications and products	<b>2015</b>	<b>68</b>
II. Publications for the general public	<b>2015</b>	<b>42</b>
lii. Other research output* (outreach activities to the general audience, contributions to research community)	<b>2015</b>	<b>56</b>

### 6.2 Demonstrable use of products - Use of research products by societal groups

Appendix 3 presents an overview of the contract research carried out during 2015 in MST. Through contract research, academic knowledge and expertise is used to tackle very specific organizational and societal issues. Partners that have benefited from this way of transferring academic knowledge are: Politieacademie, Nederlandse Vereniging van Banken, European Union, Provincie Limburg, the United Nations and VSNU. Finally, various reports were written for VGZ and for VOORT Innovatiemanagement Utrecht.

### 6.3 Demonstrable marks of recognition - Marks of recognition by societal groups

Next to the contract research, the societal relevance of the research carried out in MST is also illustrated by the fact that the NOLOC Vereniging voor loopbaanprofessionals financially supports the Chair on Strategic Human Resources Management held by Prof. Judith Semeijn.

## Appendix 1

### Research output per MST domain

#### Research output “Management”

**Table 5.1 Academic Publications**

##### a.1 ISI-journals

Bosch, Herman van den, Ooms, Ward, Werker, Claudia, & Caniëls, Marjolein C.J. (2015). Research orientation and agglomeration: Can every region become a Silicon Valley? *Technovation* 11, 45, 78-92.

Bozionelos, N., Kostopoulos, K., Van der Heijden, B., Rousseau, D.M., Bozionelos, G., Hoyland, T., ... Van der Heijde, C. (2015). Employability and job performance as links in the relationship between mentoring receipt and career success: A study in SMEs. *Group and Organization Management*. doi:10.1177/1059601115617086

Chaudhry, S., & Kleimeier, S. (2015). Cultural Differences and the Structure of Loan Syndicates. *Finance Research Letters*, 15, 115-124.

Chaudhry, S., & Kleimeier, S. (2015). Lead Arranger Reputation and the Structure of Loan Syndicates. *Journal of International Financial Markets, Institutions & Money*, 38, 116-126.

Curşeu, P.L., Meslec, N., Pluut, H. & Lucas, G. (2015). Cognitive synergy in groups and group-to-individual transfer of decision-making competencies. *Frontiers in Psychology*, 6:1375. doi:10.3389/fpsyg.2015.01375

Curşeu, P.L., Pluut, H., Boroş, S., & Meslec, N. (2015). The magic of collective emotional intelligence in learning groups: No guys needed for the spell! *British Journal of Psychology*, 106(2), 217-234. doi:10.1111/bjop.12075

Curşeu, P.L., & Sari, K. (2015). The effects of gender variety and power disparity on group cognitive complexity in collaborative learning groups. *Interactive Learning Environments*, 23(4), 425-436. doi:10.1080/10494820.2013.788029

Caniëls, M.C.J., Chini, B., & Ooms, W. (2015). Haal het meest uit creatief potentieel. *Gedrag en Organisatie – Themanummer Creativiteit en Innovatie*, 28(2), 98-117.

Caniëls, M.C.J., Lenaerts, H., & Gelderman, C.J. (2015). ‘Explaining the Internet usage of SMEs: The impact of market orientation, behavioural norms, motivation and technology acceptance. *Internet Research*, 25(3), 358-377.

Caniëls, M.C.J., & Rietzschel, E.F. (2015). Organizing Creativity: Creativity and Innovation under Constraints. *Creativity and Innovation Management*, 24(2), 184-196.

Coun, M.J.H., Gelderman, C.J., & Pérez Arendsen, J. (2015). Shared leadership and proactivity in the New Ways of Working (in Dutch: Gedeeld leiderschap en proactiviteit in Het Nieuwe Werken). *Gedrag en Organisatie*, 28(4), 356-379.

- De Jong, J.P., Clinton, M., Rigotti, T., & Bernhard-Oettel (2015). Nonlinear Associations between Breached Obligations and Employee Well-being. *Journal of Managerial Psychology*, 30(4), 374-389.
- De Jong, J.P., & Curseu, P.L. (in press). I will follow. Followers' responses to their leader's desire for control in conditions of high and low intergroup competition. *Personnel Review*.
- De Waal, A.A., & Van der Heijden, B.I.J.M. (2015). The role of performance management in creating and maintaining a high-performance organization. *Journal of Organization Design*, 4(1), 1-11.
- De Waal, A.A., Van der Heijden, B.I.J.M., Selvarajah, C., & Meyer, D. (2015). Comparing Dutch and British High Performing Managers. *Journal of Management & Organization*, October, 1-18.
- Evers, A.T., Kreijns, K., Van der Heijden, B.I.J.M., & Gerrichhauzen, J.T.G. (published on-line). The design and validation of an instrument to measure teachers' professional development at work. *Studies in Continuing Education*. doi:10.1080/0158037X.2015.1055465
- Evers, A.T., Van der Heijden, B.I.J.M., Kreijns, K., & Vermeulen, M. (2015). Job demands, job resources and flexible competence: The mediating role of teachers' professional development at work. *Journal of Career Development*, 1-17.
- Gelderman, C.J., Semeijn, J., & De Bruin, A. (2015). Dynamics of service definitions - an explorative case study of the purchasing process of professional ICT-services, *Journal of Purchasing and Supply Management*, 12(3), September, 220-227.
- Giesbers, A.P.M., Schouteten, R.L.J., Poutsma, F., Van der Heijden, B.I.J.M., & Van Achterberg, T. (2015). Feedback provision, nurses' well-being and quality improvement: towards a conceptual framework (2015). *Journal of Nursing Management*, 23, 682-691.
- Hagmann, C., Semeijn, J., & Vellenga, D.B. (2015). Exploring the Green Image of Airlines: Passenger Perceptions and Airline Choice. *Journal of Air Transport Management*, 43, March 2015, 37-45.
- Heerkens, H., Van der Wegen, L., & Van der Heijden, B. (2015). Designing and assessing a course on prioritization and importance assessment in strategic non-routine requirements engineering process. *Requirements Engineering*. doi:10.1007/s00766-015-0230-6
- Lalleman, P., Smid, G, Lagerwey, M, Oldenhof, L., & Schuurmans, M. (2015). Nurse Middle Managers' Dispositions of Habitus. A Bourdieusian Analysis of Supporting Role Behaviors in Dutch and American Hospitals. *Advances in Nursing Science*, 38(3), E1-E16.
- Meslec, M.N., & Curseu, P.L. (2015). Are balanced groups better? Belbin roles in collaborative learning groups. *Learning and Individual Differences*, 39, 81-88. doi:10.1016/j.lindif.2015.03.030
- Müller, A., De Lange, A., Weigl, M., Van der Heijden, B., Ackermans, J., & Wilkenloh, J. (2015). Task performance among employees above age 65: The role of cognitive functioning and job demand-control. *Work, Aging, and Retirement*, 1(3), 296-308.

- Ooms, W., Bell, J., & Kok, R.A.W. (2015). Use of Social Media in Inbound Open Innovation: Building Capabilities for Absorptive Capacity. *Creativity and Innovation Management*, 24(1), 136-150.
- Ooms, W., Werker, C., Caniëls, M.C.J., & Van den Bosch, H.M. (2015). Research orientation and agglomeration: Can every region become a Silicon Valley? *Technovation*, 45-46, 78-92.
- Pluut, H., Curşeu, P.L., & Ilies, R. (2015). Social and study related stressors and resources among university entrants: Effects on well-being and academic performance. *Learning and Individual Differences*, 37, 262-268. doi:10.1016/j.lindif.2014.11.018
- Ruiller, C., & Van der Heijden, B.I.J.M. (in press). Socio-emotional support in French hospitals: Effects on French nurses' and nurse aids' affective commitment. *Applied Nursing Research*.
- Savelsbergh, C.M.J.H., Poell, R.F., & Van der Heijden, B.I.J.M. (2015). Does team stability mediate the relationship between leadership and team learning? An empirical study among Dutch project teams. *International Journal of Project Management*, 33, 406-418. doi:http://dx.doi.org/10.1016/j.ijproman.2014.08.008
- Schenkel, M., Krikke, H.R., Caniëls, M.C.J., & Van der Laan, E. (2015). Creating integral value for stakeholders in Closed Loop Supply Chains. *Journal of Purchasing and Supply Management*, 21(3), 155-166.
- Schenkel, M., Krikke, H.R., Caniëls, M.C.J., & Van der Laan, E. (2015). Understanding Value Creation in Closed Loop Supply Chains- Past findings and future directions. *Journal of Manufacturing Systems*, 37(3), 729-745.
- Semeijn, J., Veld, M., Van Vuuren, T., & Van Veen, B. (2015). Duurzame inzetbaarheid in de ouderenzorg; HR activiteiten als buffer bij werkstress? *Gedrag & Organisatie*, 28(3), 243-264.
- Tabuenca, B., Kalz, M., Drachsler, H., & Specht, M. (2015). Time Will Tell: The role of mobile learning analytics in self-regulated learning. *Computers & Education*, 89, 53-74.
- Thijssens, T., Bollen, L., & Hassink, H. (in press). Managing Sustainability Reporting: Many ways to publish exemplary reporting. *Journal of Cleaner Production*. Acceptance mail van de special issue editor ontvangen in september 2015.
- Thijssens, T., Bollen, L., & Hassink, H. (2015). Secondary stakeholder influence on CSR disclosure: an application of stakeholder salience theory. *Journal of Business Ethics*, 132, 873-891.
- Van der Heijden, B.I.J.M., Gorgievski, M.J., & De Lange, A.H. (2015). Learning at the workplace and sustainable employability: a multi-source model moderated by age. *European Journal of Work and Organizational Psychology*, 25(1), 13-30.
- Van der Heijden, B.I.J.M., Van Vuuren, T.C.V., Kooij, D.T.A.M., & De Lange, A.H. (2015). Tailoring professional development for teachers in primary education: The role of age and proactive personality. *Journal of Managerial Psychology*, 30(1), 22-37. doi:http://dx.doi.org/10.1108/JMP-07-2014-0211

Van der Meer-Kooistra, J., & Kamminga, P.E. (2015). Joint venture dynamics: The effects of decisions made within a parent company and the role of joint venture management control. *Management Accounting Research*, 26, 23-39.

Veld, M., Semeijn, J.H., & Van Vuuren, T. (2015). Enhancing perceived employability: An interactionist perspective on responsibilities of organizations and employees. *Personnel Review*, 4(6), 866-882.

Visser, M., & Van der Heijden, B. (2015). Nursing under inconsistent organizational conditions. Evidence of double bind situations? *Journal of Organizational Change Management*, 28(5), 689-703.

Zhu, Q., Krikke, H. & Caniëls, M.C.J. (2015). Collaborate or not? A system dynamics study on disruption recovery. Paper accepted on 15 October 2015 by *Industrial Management & Data Systems* (Manuscript ID: IMDS-05-2015-0209.R2).

## **a.2 Non-ISI-journals**

Acheampong, G. & Léo-Paul Dana, L.-P. (2015). Liability of Foreignness in Fast Expanding Markets: Evidence from Ghana. *Thunderbird International Business Review*. doi: 10.1002/tie.21761

Buijink, W. (2015). Retorica? *Maandblad voor Accountancy en Bedrijfseconomie*, 89, 4-6.

Buijink, W., & Dassen, R. (2015). Bedrijfseconomie en de Werkgoep toekomst accountantsberoep 2014. *Maandblad voor Accountancy en Bedrijfseconomie*, 89, 102-111.

Corporaal, S., Van Vuuren, T., & Van Riemsdijk, M. (2015). Gezocht: duidelijkheid, structuur en ontwikkeling. Een beschrijving van de werkvoorkeuren van lager en hoger opgeleide jonge baanzoekers. *Gedrag & Organisatie*, 28(1), 6-26.

Dana, L.-P. (2015). Indigenous Entrepreneurship: An Emerging Field of Research. *International Journal of Business and Globalisation*, 14(2), 158-169. Special Issue on Advances in Business Research, Ronald S. J. Tuninga, editor.

Dana, L.-P., & Dumez, H. (2015). Qualitative Research Revisited: Epistemology of a Comprehensive Approach. *International Journal of Entrepreneurship & Small Business*, 26(2), 154-170.

Gelderman, C.J., Semeijn, J., & Bouma, F. (2015). Implementing sustainability in public procurement – the limited role of procurement managers and party-political executives. *Journal of Public Procurement*, 15(1), 66-92.

Gill, A., Dana, L.-P., & Obradovich, J. (2015). Independent Directors and the Decision of US Manufacturing Firms about the Amount of Dividends. *International Journal of Business and Globalisation*, 15(1), 96-108.

Gurau, C., Lasch, F. & Dana, L.-P. (2015). Sources of Entrepreneurial Value Creation: A Business Model Approach. *International Journal of Entrepreneurship & Small Business*, 25(2), 192-207.

Ohkita, K. (2015). Review of Leo Paul Dana, ed., Asian Entrepreneurship, 5 volume collection, Sage. *International Journal of Business and Globalisation*, 14(4), 483-493.



Ramadani, V. (2015). Review of Leo Paul Dana, ed., Asian Entrepreneurship, 5 volume collection. *International Journal of Entrepreneurship and Small Business*, 24(4), 587-590.

Ramadani, V., Dana, L.-P., Ratten, V., & Tahiri, S. (2015). The Context of Islamic Entrepreneurship and Business: Concept, Principles and Perspectives. *International Journal of Business and Globalisation*, 15(3), 244-261.

Ratten, V. (2015). Review of Leo Paul Dana, ed., Asian Entrepreneurship, 5 volume collection, Sage. *Thunderbird International Business Review*. doi:10.1002/tie.21723

Ratten, V. & Dana, L.-P. (2015). Indigenous food entrepreneurship in Australia: Mark Olive 'Australia's Jamie Oliver' and Indigiearth. *International Journal of Entrepreneurship & Small Business*, 26(3), 265-279.

Semeijn, J.H., Veld, M., Van Vuuren, T., & Van Veen, B. (2015). Duurzame inzetbaarheid in de ouderenzorg, HR activiteiten als buffer bij werkstress? *Gedrag & Organisatie*, 28(3), 243-264.

Shqipe, G., Ramadani, V., Abazi-Alili, H., Dana, L.-P., & Ratten, V. (2015). ICT, Innovation and Firm Performance: The Transition Economies Context. *Thunderbird Business Review*. doi:10.1002/tie.21772

Von Bergh, D., Ghijsen, P.W.Th., Gelderman, C.J., & Tuninga, R.S.J. (2015). Waiting in multi-stage services: an exploration across service industries. *The International Journal of Business and Globalisation*, 14(2), 187-207.

Veland, R., Dana, L.-P., Ratten, V., & Tahiri, S. (2015). The context of Islamic entrepreneurship and business: concept, principles and perspectives. *International Journal of Business & Globalisation*, 15(3), 244-261.

Vang, J., (2015). Review of Leo Paul Dana, ed., Asian Entrepreneurship, 5 volume collection, Sage. *European Planning Studies*, 23(4), 846-847.

Zulfiu, V., Ramadani, V., & Dana, L.-P. (2015). Muslim Entrepreneurs in Secular Turkey: Distributors as a Source of Innovation in a Supply Chain. *International Journal of Entrepreneurship & Small Business*, 26(1), 78-95.

## **b. Non-refereed Articles**

Sustainable business models in distance education, ICERI2015 Proceedings. 4712-4714, 2015, ISBN: 978-84-608-2657-6, ISSN: 2340-1095.

Van Vuuren, T., Semeijn, J.H., & Caniëls, M.C. (2015). Hebben oudere medewerkers op maat gesneden HR praktijken nodig? *Tijdschrift voor Toegepaste Arbowedenschap*, 28(2), 42-50.

## **c. Books**

Dana, L.-P., & Ramadani, V. (2015). *Family Businesses in Transition Economies: Management, Succession and Internationalization*. New York, Berlin & Heidelberg: Springer.

De Vos, A., & Van der Heijden, B. (Eds) (2015). *Handbook of Research on Sustainable Careers*. Cheltenham, UK and Northampton, MA, USA: Edward Elgar Publishing Limited.

Havermans, L., Savelsbergh, C., Storm, P., & Broekema, H. (2015). *Project manager Development Paths, What project managers learn from their experiences and what influences their learning*. Research Report Project Management Institute America (PMI® USA). Newton Square, USA.

Semeijn, J.H., Van Dam, K., Van Vuuren, T., & Van der Heijden, B.I.J.M. (2015). Sustainable labour market and sustainable careers. In A. De Vos & B.I.J.M. Van der Heijden (Eds), *Handbook of Research on Sustainable Careers* (pp. 146-160), Cheltenham, UK and Northampton, MA, USA: Edward Elgar Publishing.

Smid, G. (2015). Van 'Woorden geven aan zorg' naar 'Kwalificeren voor de toekomst'. Veranderkundige evaluatie van het programma Menslievende Zorg en toekomstperspectief. In A. Baart & F. Vosman (Eds.), *De patiënt is terug van weggeweest. Werken aan menslievende zorg in het ziekenhuis*. Amsterdam: SWP.

#### **d. Chapters**

Caniëls, M.C.J., & Bakens, R.J.J.M. (2015). Project Management Information Systems in a multi project environment. In Ch. Schwindt & J. Zimmermann (Eds), *Handbook on Project Management and Scheduling (Vol. 2)* (pp. 1355-1384). Springer.

De Lange, A.H., Kooij, D.T.A.M., & Van der Heijden, B.I.J.M. (2015). Human Resource Management and Sustainability at Work Across the Lifespan: An Integrative Perspective. In L.M. Finkelstein, D.M. Truxillo, F. Fraccaroli, & R. Kanfer (Eds.), *Facing the Challenges of a Multi-Age Workforce: A Use-Inspired Approach* (pp. 50-79). SIOP Society for Industrial and Organizational Psychology. New York: Routledge.

Essers, C., Van der Heijden, B., & Notelaers, G. (2015). De in/exclusie van de 'Ander' op de arbeidsmarkt in het algemeen en werknemers bij ATOS en SNS reaal in het bijzonder. In M. Davidović & A. Terlouw (Eds.), *Diversiteit en discriminatie: Onderzoek naar processen van in- en uitsluiting* (pp. 165-181). Amsterdam: Amsterdam University Press.

Rudolph, C.W., De Lange, A.H., & Van der Heijden, B. (2015). Adjustment processes in bridge employment: Where we are and where we need to go. In P.M. Bal, D.T.A.M. Kooij & D.M. Rousseau (Eds.), *Aging Workers and the Employee-Employer Relationship* (pp. 221-242). Springer: New York.

Semeijn, J.H., Van Dam, K., Van Vuuren, T., & Van der Heijden, B. (2015). Sustainable labour participation for sustainable careers. In A. De Vos & B. Van der Heijden (Eds), *Handbook of Research on Sustainable Careers* (pp. 146-160). United Kingdom: Edward Elgar Publishing.

Van der Heijden, B.I.J.M., & De Vos, A. (2015). Sustainable careers: Introductory chapter. In A. De Vos & B.I.J.M. Van der Heijden (Eds), *Handbook of Research on Sustainable Careers* (pp. 1-19). Cheltenham, UK and Northampton, MA, USA: Edward Elgar Publishing.

Van der Heijden, B.I.J.M., & De Vos, A. (2015). Sustainable Employability and Aging. In N.A. Pachana (Ed.), *Encyclopedia of Geropsychology*. Singapore: Springer Science + Business Media. doi:10.1007/978-981-287-080-3\_246-1

Van der Heijden, B.I.J.M., Peters, P., & Kelliher, C. (2015). New ways of working and employability: Towards and agenda for HRD. In R.F. Poell, T.S. Rocco & G.L. Roth (Eds.), *The Routledge*

*Companion to Human Resource Development* (pp. 542-551). London: Routledge Taylor & Francis Group.

#### **e. PhD thesis**

Geuvers, P. (2015). *Towards an Organic Growth Model for SME's: an Empirical Comparison between Gazelles and non-Gazelles in the Netherlands*. Heerlen: Open Universiteit.

Honyenuga, B. (2015). *Knowledge Management, Management Innovation and High Performance Organizations in an Emerging Market*. Heerlen: Open Universiteit.

Mondelaers, S. (2015). *Fashioning Change: The metaphorical blend of fashion and organizational change*. Heerlen: Open Universiteit.

Moratis, L. (2015). *Standardizing a better world? Essays and critical reflections on the ISO 26000 standard for corporate social responsibility*. Heerlen: Open Universiteit.

Resoort, A. (2015). *De positie van burgemeesters bij calamiteiten*. Heerlen: Open Universiteit.

Simon, F. (2015). *Rumbling on performativity. The complex practice of policy development in a University of applied science*. Heerlen: Open Universiteit.

Van Helmond, F. (2015). *The Crisis of the European Union in the Light of 'European Culture'*. Heerlen: Open Universiteit.

Von Bergh, D. (2015). *Waiting Time Satisfaction in Multi-Stage Services: An Exploration Across and Within Industries*. Heerlen: Open Universiteit.

#### **f. Conference papers**

Bes, R.E., Curfs, E.C., Groenewegen, P.P., De Jong, J.D. (2015). *Reaching goals of managed competition? The challenge of free health plan choice*. EUPHA Conference, Milaan.

Bhanugopan, R., Shanker, R., Van der Heijden, B.I.J.M., & Farrell, M. (2015). *The role of Innovative Work Behaviour in understanding the relationship between Organisational Climate for Innovation and Organisational Performance*. BAM (British Academy of Management), The Value of Pluralism in Advancing Management Research, Education and Practice, 8-10 September, University of Portsmouth, UK. Not personally attended.

Candida Baumer de Azevedo, M., & Semeijn, J.H. (2015). *Parallel careers; upsides and downsides for sustainable labour participation in Brazil*. Paper presented at the 16th Conference on Managing in a Global Economy, June 21st-25th, Lima, Peru.

Caniëls, M.C.J., Cleophas, E., & Semeijn, J. (2015). Implementing green supply chain practices: An empirical investigation in the shipbuilding industry. In John Humphreys (Ed.), *Proceedings of the Seventy-fifth Annual Meeting of the Academy of Management*. Online ISSN: 2151-6561

Corporaal, S., Van Vuuren, T., & Van Riemsdijk, M. (2015). *Work Preferences and How to Strengthen the Employability of Generation Y*. Paper presented at the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.

Coun, M.J.H., Blomme R., & Peters. P., (2015). *New Ways of working and leadership: a Configurational Approach*. Presented at the 9th edition of the International Conference of The Dutch HRM Network 2015. The Netherlands: Utrecht, 11-13 november 2015.

Davies, E., & Van der Heijden, B.I.J.M. (2015). *The influence of organisational support and supervisor support on extending working life*. IAGG-ER 8th Congress: Unlocking the demographic dividend. Symposium 'Researching working longer' chaired by A. Chiva, K. Hanley, & E. Davies. The International Association of Gerontology and Geriatrics European Region Congress 2015, Dublin, Ireland, 23-26th April. Not personally attended.

Davies, E., Van der Heijden, B., & Flynn, M. (2015). *The relationship between organizational support, job satisfaction, retirement affect and retirement intentions for older workers in the UK*. 3rd workshop on diversity issues: Aging and new work-life practices. EIASM, Brussels, October 15-16th.

De Jong, J., Clinton, M., Bal, M., & Van der Heijden, B. (2015). *Let's hear it from the leaders*. 9th International Conference of the Dutch HRM Network 'Recontextualizing HRM', Utrecht University School of Governance, Utrecht, the Netherlands, 12-13th of November.

De Jong, J., Clinton, M., Bal, M., Clinton, M., & Van der Heijden, B.I.J.M. (2015). *How psychological contract breach by subordinates affects weekly stress levels of managers: The roles of performance pressure and trust in higher management*. 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

De Jong, J., Veld., M., Semeijn, J., & Smeenk, S. (2015). *Effects of individual work-time control and decision autonomy on discipline-level academic reputation*. Presented at the 9th International Conference of Dutch HRM network, Utrecht.

De Jong, J., Veld, M., Semeijn, J.H., & Smeenk, S. (2015). *Is "publish or perish" really a trade-off? The effect of work-time control on scholarly performance*. Paper presented (De Jong) at the 9th International Dutch HRM Conference, November 12th-13th, Utrecht, the Netherlands.

De Jong, J., Veld, M., Semeijn, J.H., & Smeenk, S. (2015). *Is "publish or perish" really a trade-off? The effect of work-time control on scholarly performance*. Paper presented (Semeijn) at the 17th EAWOP Conference from May 20th-23rd, Oslo, Norway.

De Lange, A., Furunes, T., De Lange, C., Nauta, A, Van der Heijden, B., Van Vuuren, T., & Dijkers, J. (2015). *Employability: A question of aging? Results of a systematic review*. Age in the Workplace Meeting, Kemmy Business School, University of Limerick, 5th-7th of November.

De Lange, A., Nauta, A., Van der Heijden, B.I.J.M., De Lange, C., & Furunes, T. (2015). *Is employability a question of ageing?* 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

De Lange, C., Van Vuuren, T., Van der Heijden, B.I.J.M., & Oldenhuis, H.K.E. (2015). *How can Life Long Learning be used to increase Sustainable Labour Participation?* Paper presented at the 17th Conference of the European Association of Work and Organizational Psychology (EAWOP), Oslo, Norway, May 20nd-23th 2015.

De Lange, C., Van Vuuren, T., Van der Heijden, B.I.J.M., & Oldenhuis, H.K.E. (2015). *How can Life Long Learning be used to increase Sustainable Labour Participation?* Paper presented at the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.

De Lange, C., Van Vuuren, T., Van der Heijden, B.I.J.M., & Oldenhuis, H.K.E. (2015). *Learning Climate and Human Sustainability at Work*. WAOP (Werkgemeenschap Arbeids- en Organisatiespsychologie) Conference 2015. 27th of November, VU University Amsterdam. Not personally attended.

De Lange, C.A., Van der Heijden, B.I.J.M., Van Vuuren, T., & Oldenhuis, H.K.E. (2015). *Can life-long learning help us to sustain in the labour market?* EAM-I conference (Eastern Academy of Management). Theme: Managing in a Global Economy XVI: At the intersection of old and new. 21-25th of June, Lima, Peru. Not personally attended.

De Lange, C.A., Van der Heijden, B.I.J.M., Van Vuuren, T., & Oldenhuis, H.K.E. (2015). *How can life long learning enhance sustainable labour participation?* 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

De Langen, F. (2015). *Sustainable business models in distance education*, presentation at the 8th annual International Conference of Education, Research and Innovation, Seville (Spain). 16th - 18th of November, 2015.

Dordoni, P., Van der Heijden, B.I.J.M., Peters, P., Kraus-Hoogeveen, S.I., & Argentero, P. (2015). *Older workers tra intenzione di andara in pensione ed employability: un modello di medizione nella tarda carrier*. Associazione Italiana di Psicologia. XIII Congresso Nazionale della Sezione di Psicologia per le Organizzazioni. Palermo, 17-19th September. Awarded with Best Contribution of the Conference.

Engelen, E.M.J., Peters, P., Van der Heijden, B.I.J.M., & Nijhuis-VanderSanden, M.W.G. (2015). *The impact of nurses' professional subculture on the adoption of flexible scheduling: A balanced fit perspective*. EHMA (European Health Management Association), Breda, the Netherlands, 15-17th June.

Froehlich, D.E., Liu, M., & Van der Heijden, B.I.J.M. (2015). *Competence-based employability: A Rasch analysis*. Paper presented at the 16th biennial EARLI conference for research on learning and instruction. Limassol.

Gelderman, C.J., Semeijn, J., & Mertschuweit, P.P. (2015). *The impact of social capital and technological uncertainty on the strategic performance in buyer-supplier relationships*. The 24th International IPSERA Conference, Amsterdam, the Netherlands.

Gelderman, C.J., Semeijn, J., & Nagel, B.W. (2015). *The impact of power and dependence on the Electronic Reverse Auction use*. The 24th International IPSERA Conference, Amsterdam, the Netherlands.

Gelderman, C.J., Semeijn, J., & Vluggen, R. (2015). *Development of sustainability in the public sector – the limited role of procurement managers*. The 24th International IPSERA Conference, Amsterdam, the Netherlands.

Gelderman, C.J., Semeijn, J., & Plugge, N. (2015). *The role of critical incidents in the development of global sourcing – results of an in-depth case study*. The 24th International IPSE Conference, Amsterdam, the Netherlands. ('Best IFPSM Paper')

Giesbers, A.P.M., Schouteten, R.L.J., Poutsma, E., Van der Heijden, B.I.J.M., & Van Achterberg, T. (2015). *Job demand or job resource? A multiple-case study about feedback provision on quality measurements to hospital nursing teams*. 9th International Conference of the Dutch HRM Network 'Recontextualizing HRM', Utrecht University School of Governance, Utrecht, the Netherlands, 12-13th of November.

Giesbers, A.P.M., Schouteten, R.L.J., Poutsma, E., Van der Heijden, B.I.J.M., & Van Achterberg, T. (2015). *Nurses' attributions about the 'why' of feedback: Towards a better understanding of the importance of a supportive feedback environment for nurses' well-being*. IMR Research Day & PhD Research Day- 'Alone you may go faster, but together we go further!' 25th of June. Institute for Management Research, Radboud University, Nijmegen, the Netherlands. Best Paper Award, IMR Internationalization Grant 1500 Euro.

Giesbers, A.P.M., Schouteten, R.L.J., Poutsma, E., Van der Heijden, B.I.J.M., & Van Achterberg, T. (2015). *Nurses' attributions about the 'why' of feedback: Their effects on nurses' well-being, the influence of the feedback environment, and the relation to their supervisors' motivations*. 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

Kamminga, P.E., & De Loo, I. (2015). *Shaking the blues away: management control practices and social space in a top level amateur choir*. Proceedings of the 10th ENROAC Conference, 3-4 June, Galway, Ireland.

Kamminga, P.E., & De Loo, I. (2015). *Shaking the blues away: management control practices and social space in a top level amateur choir*. Proceedings of the Management Accounting Research Group Conference, 19-20 November, Aston Business school, Birmingham, UK.

Kraus-Hoogeveen, S., Peters, P., Van der Pool, E., & Van der Heijden, B. (2015). *Changing roles, expectations and needs of health-care professionals in the extramural care in the Netherlands*. 9th International Conference of the Dutch HRM Network 'econtextualizing HRM', Utrecht University School of Governance, Utrecht, the Netherlands, 12-13th of November.

Kraus-Hoogeveen, S., Peters, P., Van der Pool, E., & Van der Heijden, B. (2015). *The vital aspects of human capital for health-care professionals in the communication process with clients during the value creation in the extramural health-care in the Netherlands*. EHMA (European Health Management Association), Breda, the Netherlands, 15-17th June.

Kraus-Hoogeveen, S., Peters, P., Van der Pool, E., & Van der Heijden, B. (2015). *Vital communication skills for health-care professionals during value creation in the Dutch extramural health-care sector*. Van der Heijden, B.I.J.M., Invited Keynote speaker (2015). *Integrale visie op loopbaanontwikkeling, leeftijdsstereotypering en employability in verschillende loopbaanfasen*. 13de POOLL-conferentie Hoger Onderwijs en Arbeidswereld. Leren op de werkplek: Over stages en informeel leren van werknemers. 7 januari, KU Leuven, België.

Montizaan, R., & Van Vuuren, T. (2015). Werkgevers vitaliseren te weinig. Paper gepresenteerd op bijeenkomst van Netspar Network for Studies on Pensions, Aging and Retirement over Ouderen en Arbeidsmarkt op 29 mei 2015 in Maastricht.

Ooms, W., & Ebbekink, M. (2015). *Buddies or foes: the importance of personal proximity and personal "(dis)clicks" to cluster governance*. In DRUID Society Conference.

Peters, P., De Jager, W., Blomme, R., & Van der Heijden, B. (2015). *Is own-account working the philosopher's stone for labour-market success? Explaining own-account and salaried workers' subjective career success from a person-environment perspective*. Paper presented at the 6th International Community, Work and Family (CWF) conference. Theme: life-span decision making, held in Malmö, Sweden, May 19-22, 2015.

Savelsbergh, C.M.J.H, Havermans, L.A., & Storm, P.M. (2015). *Development path of project managers: How, what and when do they learn from their experiences and who supports their learning?* Dutch HRM Network, the Netherlands, Utrecht, 11th-13th November 2015, Utrecht University.

Savelsbergh, C.M.J.H., & Uitdewilligen, S. (2015). *Unexpected events in project teams, a longitudinal approach*. Dutch HRM Network, the Netherlands, Utrecht, 11th-13th November 2015, Utrecht University.

Schenkel, M., & Krikke, H. (2015). *Vicious circles that hinder value creation in closed loop supply chains*. Academy of Management, Vancouver, proceedings Academy of Management, ACAD MANAGE PROC (Meeting Abstract Supplement) 16100

Schijns, J.M.C., & Le Conte, J. (2015). *Measuring and Managing Perceived Service Quality in Physical Activity and Sports Centres (PSCs)*. Paper presented at the 2nd International Symposium on Partial Least Squares Path Modeling - The Conference for PLS Users, Seville, Spain, June 16-19, 12 pages.

Semeijn, J., Veld, M., & Van Vuuren, T. (2015). *How to influence your own career?* Paper presented at Sustainable HRM workshop June 2015 Kaiserslautern, Germany.

Semeijn, J., Veld, M., & Van Vuuren, T. (2015). *How to strive for a sustainable career? A case study about the role of supervisor efforts in the relation between employee career self-management and perceived employability*. Presented at the 9th International Conference of Dutch HRM network, Utrecht.

Van de Voorde, K., Veld, M., & Van Veldhoven, M. (2015). *Connecting high-performance work practices and labour productivity to work engagement*. Presented (symposium presentation) at the Academy of Management conference, Vancouver, Canada.

Van den Bosch, H. (2015). *The hapless gap between higher education and experience*. Proceedings of the 22th Edineb Conference, Brighton.

Van der Heijden, B.I.J.M. (2015). *Employability of Academic staff: Focus on researchers*. UCL (University College London) Research staff conference: Research horizons going forward, 30th June, Welcome Collection, London. Invited keynote.

Van der Heijden, B.I.J.M. (2015). *Sustainable Employability at Work: A multi-source model moderated by age*. Invited keynote speaker at the Division of Occupational Psychology, The British Psychological Society, Northumbria University, Newcastle upon Tyne, 4th of June.

Van der Heijden, B.I.J.M. (2015). *Sustainable Employability at Work: A multi-source model moderated by age*. Invited keynote speaker at the XXIII Conference of the Estonian Human Resource Management Association PARE. Pärnu, Estonia, 16-17th April.

Van der Heijden, B.I.J.M. (2015). Workshop leader *Towards Sustainable Employability* in collaboration with A.B. Bakker. XXIII Conference of the Estonian Human Resource Management Association PARE. Pärnu, Estonia, 16-17th April.

Van der Heijden, B.I.J.M., Brown Mahoney, C., & Xu, Y. (2015). *Impact of job demands and resources on burnout and intention to leave: Towards a mediation model for the nursing profession*. 18th Annual Irish Academy of Management 'Towards Socially Responsible Management', National University of Ireland, Galway, 3-4 September 2015.

Van der Heijden, B.I.J.M., & Wegge, J. (2015). Symposium *Sustainable careers and its antecedents*. 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

Van der Horst, A., Klehe, U., & Van der Heijden, B. (2015). *How to stay in the race? How age and learning orientation interact to promote career adaptability*. WAOP (Werkgemeenschap Arbeids- en Organisatiepsychologie) Conference 2015. 27th of November, VU University Amsterdam. Not personally attended.

Van Dorssen, P., Van Vuuren, T., & Veld, M. (2015). *Mediating role of self-leadership between need for job autonomy and elements of sustainable labour participation among healthcare professionals*. Presented at the EAWOP conference Stockholm, Sweden

Van Dorssen, P., Van Vuuren, T., & Veld M. (2015). *Mediating role of self-leadership between need for job autonomy and elements of sustainable labour participation among health care professionals*. Paper presented at the 17th Conference of the European Association of Work and Organizational Psychology (EAWOP), Oslo, Norway, May 20nd-23th 2015.

Van Vuuren, T. (2015). Chair of Symposium *Motivating Sustainable Labour Participation by Building on Self-Determination Theory*. Symposium organized for the 17th Conference of the European Association of Work and Organizational Psychology (EAWOP), Oslo, Norway, May 20nd-23th 2015.

Van Vuuren, T. (2015). Chair of symposium *Sustainable Careers and HRM practices*. Symposium organized for the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.

Van Vuuren, T., Van Emmerik, H., Lowe, K., & Baugh, G. (2015). *Sustainable Careers: Theoretical considerations and implications for HRM*. Paper presented at the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.



Van Vuuren, T., Semeijn, J., & Caniëls, M. (2015). *Ageing, Human Resource Practices and Employee Outcomes. Do aged employees require tailor-made HR practices?* Paper presented at the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New. Lima, Peru, 2015, June 21-25.

Van Vuuren, T., & Semeijn, J.H. (2015). Human Sustainability at Work. Abstract (on invitation) for a chapter in Volume 4 of the *Research in Careers* series of IAP. Editors: Sherry Sullivan & Gayle Bough. Accepted for volume 5, planned for publication in 2017.

Van Vuuren, T., & Ybema, J.F. (2015). *HR-Practices to enhance Sustainable Employability: Implementation, Use, and Outcomes*. Poster presented at Age in the Workplace Small Group Meeting 5-7 November 2015 Limerick, Ireland.

Veld, M., Semeijn, J.H., & Van Vuuren, T. (2015). *Career control or in control? The relation between career control and perceived employability among managers and subordinates*. Paper presented (Veld) at the 9th International Dutch HRM Conference, November 12th-13th, Utrecht, The Netherlands.

Veld, M., Van der Heijden, B.I.J.M., & Semeijn, J. (2015). *Home-to-Work interference and employability among university employees*. Presented at the Academy of Management conference, Vancouver, Canada.

Veth, K.N., Korzilius, P.L.M., Van der Heijden, B.I.J.M., Emans, B.I.M., & De Lange, A.H. (2015). *HRM Bundles and Employee Outcomes: Opening the Black Box. The Roles of Job Demands and Job Resources*. Paper presented at the USE Conference, A Healthy Working Life in a Healthy Business, Groningen, the Netherlands, 21-23 October 2015.

Veth, K.N., Korzilius, P.L.M., Van der Heijden, B.I.J.M., Emans, B.I.M., & De Lange, A.H. (2015). *Which HRM practices make employees sustainable at work across the life-span?* 17th European Congress of Work and Organizational Psychology, Oslo, Norway, 20th-23rd May 2015.

Vossen, P.H. (2015). Educational Assessment Engineering: A Pattern Approach. In V.E. Balas et al. (eds.), *Soft Computing Applications, Advances in Intelligent Systems and Computing*, 356, pp. 605-619.

Werker, C., Ooms, W., & Caniëls, M.C.J. (2015). *The Role of Personal Proximity in Collaborations: A Case Study of Dutch Nanotechnology Researchers*. In Academy of Management Annual Meeting.

Ybema, J.F., & Van Vuuren, T. (2015). *HR-Practices to enhance Sustainable Labor Participation in Organizations: Implementation, Use, and Outcomes*. Paper presented at Sustainable HRM workshop June 2015 Kaiserslautern, Germany.

## 5.2 Professional Publications

### a. Journals

Corporaal, S., Van Riemsdijk, M., Van Vuuren, T., Kluijtmans, F., De Lat, M., & Morssink, T. (2015). Onweerstaanbaar worden voor de nieuwste generatie technici. Een onderzoek naar de verschillen tussen de voorkeuren van jonge technici en werk in de techniek. *Tijdschrift voor HRM*, 18(3), 1-21.

Crom, B., & Kamminga, P. (2015). Economische evaluaties van gezondheidszorg in de schijnwerpers. *Maandblad voor Accountancy en Bedrijfseconomie*, 89(1/2).

Montizaan, R. & Van Vuuren, T. (2015). *Werkgevers vitaliseren te weinig*. Opinion Paper 65, November. Netspar Industry Serie. Network for Studies on Pensions, Aging and Retirement, Tilburg, The Netherlands.

Smid, G. (2015). Niemand de deur uit. Leer studenten hoe je samen vraagstukken oplost. *Tijdschrift voor Hoger Onderwijs en Management*, 4, 55-61.

Valkenburg, L., Homburg, V., & Van der Heijden, B. (2015). Waarom veranderen verpleegkundigen van baan? Determinanten voor vertrekgenigheid onder verpleegkundigen werkzaam in een groot topklinisch perifere ziekenhuis. *Verpleegkunde*, 30(2), 4-9.

Van Dorssen, P., Den Boer, H., & Van Vuuren, T. (2015). Zelfleiderschap bij oudere werknemers? Zijn er verschillen tussen ouderen en jongere werknemers als het gaat om zelfsturing? *PW De Gids*, 4, nummer april, 10-11.

Van Vuuren, T., & Montizaan, R. (2015). HRM beleid in een tijd van verandering en vergrijzing. Ervaringen van werkgevers in de publieke sector en van hun ambtenaren met maatregelen om de duurzame inzetbaarheid van ambtenaren te stimuleren. In: *Staat van de Ambtelijke Dienst: Hoe staan de ambtenaren er anno 2015 voor?* van de Albeda Leerstoel, de Ien Dales Leerstoel en Leerstoel Comparative Public Sector and Civil Service Reform, CAOP, Den Haag, blz. 119-132.

Van Vuuren, T., & Seip, R. (2015). Banen op de tocht. *Loopbaanvisie*, 1, 8-12.

Van Vuuren, T., & Seip, R. (2015). Laat de senior welkom zijn. *Loyaal, Informatiemagazine voor werkgevers overheid, onderwijs en bouw*, mei, 9.

Van Vuuren, T., Semeijn, J., & Caniëls, M. (2015). Hebben oudere medewerkers op maat gesneden HR-praktijken nodig? *Tijdschrift voor Toegepaste Arbeidwetenschap*, 28(2), 42-50.

Vodegel, F., Van den Bosch, H. & Smid, G. (2015). Een integraal perspectief op onderwijsinnovatie. *Onderwijsinnovatie*.

Wolswijk, A., Van Vuuren, T., & Marcelissen, F. (2015). Eerst faciliteren, dan inspireren. Onderzoek: Vitaal in je Werk. *Dyademagazine*, december. Tijdschrift van Dyade Dienstverlening Onderwijs.

### b. Books

Bakker, S. de, & Schijns, J.M.C. (2015). *Content Marketing*, course on behalf of the Open School of Journalism, The Open Professional School SE (Open.PS), 78 pages (<http://www.openschoolofjournalism.com/distance-education-program/courses/content-marketing-jp040>)

#### **e. Conference Papers**

Caniëls, M.C.J., Neghina, N., & Schaetsaert, N. (2015). *The role of leadership for empowerment and knowledge sharing*, paper presented at the Creativity and Innovation Management workshop, Twente, The Netherlands, 1-2 September 2015.

Caniëls, M.C.J., Neghina, N., & Schaetsaert, N. (2015). *The role of leadership for empowerment and knowledge sharing*, poster presentation at the 17th congress of the European Association of Work and Organizational Psychology (EAWOP) in Oslo, May 20th–23rd 2015.

Caniëls, M.C.J., Neghina, N., & Strik, N. (2015). *Motives for knowledge hoarding*, poster presentation at the 17th congress of the European Association of Work and Organizational Psychology (EAWOP) in Oslo, May 20th–23rd 2015.

Caniëls, M.C.J., & Rietzschel, E. (2015). *In the land of the blind, feeling creative is easy, but being is not: The two faces of creativity*, poster presentation at the 17th congress of the European Association of Work and Organizational Psychology (EAWOP) in Oslo, May 20th–23rd 2015.

De Jong, J.P., Caniëls, M., & Tekleab, A. (2015). *If it ain't broke, don't fix it? The effects of team familiarity and experience on team intervention effectiveness in the 2013-2014 NBA playoffs*. Paper presented at the European Association of Work and Organizational Psychologists 2015, Oslo, Norway.

De Jong, J.P., Clinton, M., Bal, M., & Van der Heijden, B. (2015). *Leaving Leaders in the Lurch: How Psychological Contract Breach by Followers Affects Emotional Exhaustion of Supervisors*. Paper presented at the Dutch HRM Network Conference 2015, Utrecht, the Netherlands.

De Jong, J.P., Clinton, M., Bal, M., & Van der Heijden, B. (2015). *Leaving Leaders in the Lurch: How Psychological Contract Breach by Followers Affects Emotional Exhaustion of Supervisors*. Paper presented at the European Association of Work and Organizational Psychologists 2015, Oslo, Norway.

De Jong, J.P., Veld, M., Semeijn, J., & Smeenk, S. (2015). *Effects of individual work-time control and decision autonomy on discipline level academic performance*. Paper presented at the Dutch HRM Network Conference 2015, Utrecht, the Netherlands.

Lenaerts, H., Caniëls, M.C.J., Van Dam, K., & De Stobbeleir, K. (2015). *A conceptual approach of idea selection to stimulate employee creativity*, paper presented at the 17th congress of the European Association of Work and Organizational Psychology (EAWOP) in Oslo, May 20th-23rd 2015.

Manders, J., Caniëls, M.C.J., & Ghijsen, P.G.H. (2015). *Supply chain flexibility: A bridge too far? A case study approach on flexibility experiences in a FMCG supply chain*. Paper presented at IPSERA 2015, Amsterdam, 29 March-1 April.

Ooms, W., Werker, C., Caniëls, M.C.J., & Van den Bosch, H. (2014). *Research Orientation and Agglomeration: Can Every Region Become a Silicon Valley?*, paper presented at DRUID 2015, Rome, 15-17 June 2015.

Schenkel, M., Krikke, H.R., & Caniëls, M.C.J. (2015). *Vicious circles that hinder value creation in closed loop supply chains*, paper presented at the Academy of Management Annual Meeting, Vancouver.

Schenkel, M., Krikke, H.R., Caniëls, M.C.J., & Van der Laan, E. (2015). *Beyond cost minimization and waste reduction – Value creation in closed loop supply chains*. Paper presented at IPSERA 2015, Amsterdam, 29 March-1 April.

Van Vuuren, T., Semeijn, J., & Caniels, M.C.J. (2015). *Ageing, Human Resource Practices and Employee Outcomes - Do aged employees require tailor-made HR practices?*, paper presented at the Symposium Sustainable Careers and HRM Practices, at the Eastern Academy of Management - International Conference on Managing in a Global Economy XVI: At the Intersection of Old and New, Lima, Peru, 2015, June 21-25.

Verberne, K., & Caniëls, M.C.J. (2015). *Realize impact with complementary currencies*, presentation at Organisatie en gebruikers van de Dam, Rotterdam, 26 February.

Werker, C., Ooms, W., & Caniëls, M.C.J. (2015). *The Role of Personal Proximity in Collaborations: The Case of Dutch Nanotechnology*, paper presented at DRUID 2015, Rome, 15-17 June.

Werker, C., Ooms, W., & Caniëls, M.C.J. (2015). *The Role of Personal Proximity in Collaborations: The Case of Dutch Nanotechnology*, paper presented at the Academy of Management Annual Meeting, Vancouver.

Zhu, Q., Krikke, H., & Caniëls, M.C.J. (2015). *Collaborate or Not? A System Dynamics Study on Disruptions*. Paper presented at IPSERA 2015, Amsterdam, 29 March-1 April.

Zhu, Q., Krikke, H., & Caniëls, M.C.J. (2015). *The effects of different types of supply chain integration under disruption: A simulation study*, paper accepted for presentation at the 2015 ISL (International Symposium on Logistics), 5-8 July, Bologna, Italy.

#### **g. Reports**

Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Rapportage Controlepeiling (inclusief online apotheek)*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Rapportage Klachtenmanagement*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Rapportage Kwaliteit van dienstverlening voorjaar 2015*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Tussentijdse rapportage vragenlijst Controlepeiling 2015 – Deel 1: Gewisseld van zorgverzekeraar?* Opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Curfs, E.C. (2015). Factsheet *Verzekerden maken weinig gebruik van online apotheek*, NIVEL, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Curfs, E.C. (2015). *Rapportage wisselen van zorgverzekeraar 2015*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Curfs, E.C. (2015). Factsheet *Verzekerden maken weinig gebruik van online apotheek*, NIVEL, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Smid G. (2015). *Wat is er aan de hand in ziekenhuisland? Van professionele autonomie naar gezamenlijk verantwoordelijkheid nemen*. White Paper in opdracht van Sioo Januari 2015.

Mertens, V.C., Pijls, R, Curfs, E.C., & Moolaert, V.R.M. (2015). *Impact of a Text-Messaging-alert system for out-of-hospital cardiac arrest: Survival, quality of life, and medical and operational costs*. Onderzoeksrapport voor de Provincie Limburg, Provincie Limburg, Maastricht.

Van den Bosch, H. (2015). *How to reduce the failure rate of innovation. Outcomes of research on the efficacy of the FORTH innovation method*. Onderzoeksrapport voor VOORT Innovatiemanagement, Utrecht.

Van Erp, K.J.P.M., Out, K.E.M., Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Rapportage kwaliteit van dienstverlening najaar 2015*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Van Erp, K.J.P.M., Out, K.E.M., Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Rapportage zomerpeiling over participatie zorginkoop*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Van Erp, K.J.P.M., Out, K.E.M., Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Tussenrapport onderzoek Beeld en imago in relatie tot gedrag*, opdracht verstrekt door cVGZ, zorgverzekeraar, en uitgevoerd in het Verzekerdenpanel van NIVEL.

Van Erp, K.J.P.M., Out, K.E.M., Bes, R.E., Curfs, E.C., & De Jong, J.D. (2015). *Verzekerden maken weinig gebruik van en oordelen neutraal over online apotheek*. Utrecht, NIVEL, 2015.

### **5.3 General Publications**

#### **a. Book or Book-chapter**

Semeijn, J.H. (2015). *Voorwoord voor het Complete Loopbaanboek*. Onder redactie van Susan van Ass, Uitgeverij Boom-Nelissen.

#### **b. Article in a popular Journal**

Heijster, F. (2015). 'Vitaliteitsbeleid werkt als het leuk is voor nu en goed voor later!' Interview in *Inzicht*, blad van IZZ.

Van Vuuren, T. (2015). Column *Wees zo Vitaal als Dafne Schippers*, blad van IZZ.

Van Vuuren, T. (2015). *Vitaliteit: Wat zegt de wetenschap nu? 10 inzichten, 5 mythes*. Whitepaper gebaseerd op interview met Tinka van Vuuren.

### **c. Contribution to Newspaper – Article or Weekly**

Van der Heijden, B. (2015). 'Als je ouder bent, weet je meer, kun je meer', 12 juni 2015, [www.ouderenjournaal.nl/home/2015/06-12/als-je-ouder-bent-weet-je-meer-kun-je](http://www.ouderenjournaal.nl/home/2015/06-12/als-je-ouder-bent-weet-je-meer-kun-je)

Van der Heijden, B. (2015). Interview door Annette Wiesman 'Overleven' in *Trouw*, 4 april.

Van der Heijden, B. (2015). Interview door Simone Lensink 'Mobiliteit is een voorspeller voor employability'. *Personeelbeleid*, 50, 10-13.

Van der Heijden, B. (2015). Interview in programma *De Stemming Radio Omroep Limburg 1* door Fons Geraets en Frank Ruber. Beatrice van der Heijden vindt dat bedrijven meer moeten investeren in duurzame inzetbaarheid van oudere werknemers. <http://www.l1.nl/audio/stemming-1100-1200-25-jan-2015>.

Van der Heijden, B. (2015). Interview met Annemiek de Gier 'Echt doen zo'n gesprek'. *Metaaljournaal*, Najaar 2015, 16-20.

Van der Heijden, B. (2015). Interview 'Vitaliteit is business' gerapporteerd in Van Wingerden, J., & Van Kessel, J., *Vitality 2015 connected! Where business meets science*. Schouten Research. Zaltbommel: Schouten & Nelissen.

Van der Heijden, B. (2015). Interview 'Liever één hele baan of twee halve banen? Valkuil bij twee banen is dat je qua kennis aan de oppervlakte blijft.' <http://www.volgensnederland.nl/themas/werk/liever-een-hele-baan-of-twee-halve-banen>

Van der Heijden, B. (2015). Interview 'Oudere medewerkers opleiden: 5 tips' Over Personeelsplanning; <http://overpersoneelsplanning.nl/oudere-medewerkers-opleiden-5-tips/>.

Van der Heijden, B. (2015). Interview 'Niemand is geboren voor één beroep. Of wel? Hoeveel carrières kan een mens doorlopen? <http://www.volgensnederland.nl/themas/werk/niemand-is-geboren-voor-een-beroep-of-wel>

Van der Heijden, B. (2015). Interview 'Opmars flexibele schil en robots' door Francien van Zetten in *De Gelderlander*, 17 januari.

Van der Heijden, B. (2015). Interview met Christa Fortunati, PBLQ: Fortunati, C. (2015). Puzzelen aan een visie op de lerende publieke sector. *HR Overheid*, September, p. 15-16.

Van der Heijden, B. (2015). Interview met Harmen Weijer 'Gebruik de kracht van oudere werknemers'. [www.over-HR.nl](http://www.over-HR.nl) (bijlage bij *de Telegraaf* Oktober 2015).

Van der Heijden, B. (2015). Interview met Lineke Lieber & Marloe van der Schrier. 'De chef die je zoon zou kunnen zijn.' Jong vs oud. Jonge leidinggevendenden zijn geliefd, blijkt uit onderzoek. *Waarom eigenlijk? En hoe is het om een dertig jaar jongere baas te hebben?' NRC Handelsblad*, 18 November 2015.

- Van der Heijden, B. (2015). Waar de jeugd vooral maximale groei zoekt, zijn ouderen meer geïnteresseerd in zelfontplooiing. In A. Stolze (Red.), *Gezond ondernemen van Zilveren Kruis*. Utrecht: GrafiServices.
- Van Helmond, F. (2015). Klem tussen wetten en moraal. *Eindhovens Dagblad*, woensdag 29 april. (De joodse en christelijke traditie in Europa zorgt ervoor dat vluchtelingen niet in de kou blijven staan).
- Van Helmond, F. (2015). Meer dan rel in Europese achterbuurt. *Eindhovens Dagblad*, vrijdag 30 januari. (In Griekenland begint Europa aan nieuwe fase)
- Semeijn, J.H. (2015). Interview (met Astrid Slootweg) voor bijdrage aan P&O Actueel; '3 Vragen'. *P&O Actueel*, oktober 2015, nr. 10, p.9.
- Semeijn, J.H. (2015). Interview (met Jelle Krekels) voor: *Brabants Dagblad*, katern regio; 'Doorwerken kan op een leuke en gezonde manier', *Brabants dagblad*, regio, p.12, 30 september 2015
- Semeijn, J.H. (2015). Interview (met Jelle Krekels) voor: *Eindhovens Dagblad* (2 edities); 'Langer doorwerken met Loopbaanmanagement', editie Helmond, 24 september 2015 en 'Langer Optimaal Doorwerken', editie Geldrop, p. 5 (regio). Ook op internet: <http://www.ed.nl/regio/geldrop-e-o/geldrop-mierlo/eerste-bijzonder-hoogleraar-loopbaanmanagement-komt-uit-mierlo-1.5269393>
- Semeijn, J.H. (2015). Interview (met Jos Cortenraad) over vrouwelijk leiderschap, katern Limburg Onderneemt; 'Tijd voor inhaalslag vrouwelijke leiders'. *De Limburger*, 26 mei 2015, ook op internet: <http://www.limburgonderneemt.nl/nieuws/?catID=70&newsID=8417>
- Semeijn, J.H. (2015). Interview (met Pieter Hotse Smit) voor artikel in Volkskrant 'Waar je op moet letten bij beoordelingsgesprekken'. *De Volkskrant*, 23 september 2015. Ook op internet: <http://www.volkskrant.nl/economie/waar-je-op-moet-letten-bij-het-beoordelingsgesprek~a4147583/>

## Research output "Science"

### Table 5.1 Academic Publications

#### a.1 ISI-journals

- Armitage, D., De Loe, R., Gerlak, A., Huitema, D., Wolfe, B., Plummer, R., ... Mirumachi, N. (2015). Science-policy processes for transboundary water governance. *AMBIO*, 44(5), 353-366.
- Becker, G., Huitema D., & Aerts, J.C.J.H. (2015). Prescriptions for adaptive comanagement: the case of flood management in the German Rhine basin. *Ecology and Society*, 20(3): 1. [online] URL: <http://www.ecologyandsociety.org/vol20/iss3/art1/>
- Biesterbos, J.W., Beckmann, G., Van Wel, L., Anzion, R.B., Von Goetz, N., Dudzina, T., ... Scheepers, P.T. (2015). Aggregate dermal exposure to cyclic siloxanes in personal care products: implications for risk assessment. *Environment International*, 74, 231-239.

De Vries, J.R., Aarts, N., Lokhorst, A.M., Beunen, R., & Oude Munnink, J. (2015). Trust related dynamics in contested land use. A longitudinal study on trust and distrust in intergroup conflicts in the Baviaanskloof, South Africa. *Forest Policy and Economics*, 50, 302-310.

Holtslag-Broekhof, S.M., Van Marwijk, R., Beunen, R., & Wiskerke, J.S.C. (2015). Perceived (In)justice of Public Land Acquisition. *Journal of Agricultural and Environmental Ethics*. Online first: doi:10.1007/s10806-015-9594-3. pp 1-18

Jukema, J., Van Rhijn, J.G., & Piersma, T. (2015). Geographic variation in morphometrics, molt, and migration suggests ongoing subspeciation in Pacific Golden-Plovers (*Pluvialis fulva*). *The Auk*, 132, 647-656.

Massey, E., & Huitema, D. (2015). The emergence of climate change adaptation as a new field of public policy in Europe. *Regional Environmental Change*, doi:10.1007/s10113-015-0771-8.

Massey, E., Huitema, D., Garrelts, H., Greksch, K., Mees, H., Rayner, T., ... Wings, M. (2015). Handling adaptation policy choices in Sweden, Germany, the UK and the Netherlands. *Journal of Water and Climate Change*, 6(1), 9-24.

Kunseler, E.-M., Tuinstra, W., Vasileaidou, E., & Petersen, A.C. (2015). The reflective futures practitioner: Balancing salience, credibility and legitimacy in generating foresight knowledge with stakeholders. *Futures*, 66, 1-12.

Kroeze, C., & Pulles, T. (2015). The importance of non-CO2 greenhouse gases. *Journal of Integrative Environmental Sciences*, 1-4. doi: 10.1080/1943815x.2015.1118131

Naeema Jihan, Z., & Kroeze, C. (2015). Future trends in urbanization and coastal water pollution in the Bay of Bengal: the lived experience. *Environment, Development and Sustainability*, 17(3), 531-546.

Oldenkamp, R., Hendriks, H.W.M., Van de Meent, D., & Ragas, A.M.J. (2015). Hierarchical Bayesian Approach To Reduce Uncertainty in the Aquatic Effect Assessment of Realistic Chemical Mixtures. *Environmental Science & Technology*, 49(17), 10457-10465. doi:10.1021/acs.est.5b02651\*

Oldenkamp, R., Huijbregts, M.A.J., & Ragas, A.M.J. 2015. Uncertainty and variability in human exposure limits – a chemical-specific approach for ciprofloxacin and methotrexate. *Critical Reviews in Toxicology*: 1-18 (published online 9 December 2015). doi: 10.3109/10408444.2015.1112768

Opdam, P., Coninx, I., Dewulf, A., Steingröver, E., Vos, C., & Van der Wal, M. (2015). Framing ecosystem services: Affecting behaviour of actors in collaborative landscape planning? *Land Use Policy*, 46, 223-231. <http://doi.org/10.1016/j.landusepol.2015.02.008>

Pirotte, N., Stevens, A.S., Fraguas, S., Plusquin, M., Van Roten, A., Van Belleghem, F., ... & Smeets, K. (2015). Reactive oxygen species in planarian regeneration: An upstream necessity for correct patterning and brain formation. *Oxidative medicine and cellular longevity*. (05/2015; doi:10.1155/2015/392476; Impact Factor 3.36)



- Pirovano, A., Brandmaier, S., Huijbregts, M.A.J., Ragas, A.M.J., Veltman, K., & Hendriks, A.J. (2015). The utilisation of structural descriptors to predict metabolic constants of xenobiotics in mammals. *Environmental Toxicology and Pharmacology*, 39(1), 247-258. doi: 10.1016/j.etap.2014.11.025\*
- Plusquin, M., De Mulder, K., Van Belleghem, F., DeGheselle, O., Pirotte, N., Willems, M., ... & Smeets, K. (2015). Toxic effects of cadmium on flatworm stem cell dynamics: A transcriptomic and ultrastructural elucidation of underlying mechanisms. *Environmental toxicology*. (04/2015; doi:10.1002/tox.22129; Impact Factor 3.20)
- Saswattecha, K., Cuevas Romero, M., Hein, L., Jawjit, W., & Kroeze, C. (2015). Non-CO2 greenhouse gas emissions from palm oil production in Thailand. *Journal of Integrative Environmental Sciences*, 1-19. doi: 10.1080/1943815x.2015.1110184
- Saswattecha, K., Kroeze, C., Jawjit, W., & Hein, L. (2015). Assessing the environmental impact of palm oil produced in Thailand. *Journal of Cleaner Production*, 100, 150-169.
- Stevens, A.S., Pirotte, N., Wouters, A., Roten, A.V., Belleghem, F.V., Willems, M., ... & Smeets, K. (2015). Redox-Related Mechanisms to Rebalance Cancer-Deregulated Cell Growth The Anticarcinogenic Mechanisms of Regeneration. *Current drug targets*. (05/2015; PMID: 25944012; Impact Factor 3.02)
- Strokal, M., Kroeze, C., Li, L., Luan, S., Wang, H., Yang, S., & Zhang, Y. (2015). Increasing dissolved nitrogen and phosphorus export by the Pearl River (Zhujiang): a modeling approach at the sub-basin scale to assess effective nutrient management. *Biogeochemistry*, 1-22.
- Suwarno, D., Löhr, A., Kroeze, C., & Widianarko, B. (2015). Biogas production from human waste can reduce pollution of rivers in Indonesia. *International Journal of Civil and Environmental Engineering*.
- Turnhout, E., Behagel, J.H., Ferranti, F., & Beunen, R. (2015). The construction of legitimacy in European nature policy: expertise and participation in the service of cost-effectiveness. *Environmental Politics*, 24(3), 461-480.
- Uit de Weerd, D.R., Robinson, D.G., & Rosenberg, G. (accepted). Evolutionary and biogeographical history of the land snail family Urocoptidae (Gastropoda: Pulmonata) across the Caribbean region. *Journal of Biogeography*.
- Van Assche, K., Beunen, R., & Lo, M.C. (2015). Place as layered and segmentary commodity. Place branding, smart growth and the creation of product and value. *International Planning Studies*. Online first: doi:10.1080/13563475.2015.1115339
- Van der Wal, M.M., De Kraker, J., Kroeze, C., Kirschner, P.A., & Valkering, P. (2016). Can computer models be used for social learning? A serious game in water management. *Environmental Modelling & Software*, 75, 119-132. <http://doi.org/10.1016/j.envsoft.2015.10.008>. Received 8 July 2015, Revised 7 October 2015, Accepted 8 October 2015, Available online 11 November 2015
- Van Wijnen, J., Ivens, W.P.M.F., Kroeze, C., & Löhr, A.J. (2015). Coastal eutrophication in Europe caused by production of energy crops. *Science of the Total Environment*, 511, 101-111.

Van Wijnen, J., Kroeze, C., Ivens, W.P.M.F., & Löhr, A.J. (2015). Future scenarios for N<sub>2</sub>O emissions from biodiesel production in Europe. *Journal of Integrative Environmental Sciences*, nov 2015. doi:10.1080/1943815X.2015.1110180

Vermeulen, L.C., De Kraker, J., Hofstra, N., Kroeze, C., & Medema, G. (2015). Modelling the impact of sanitation, population growth and urbanization on human emissions of *Cryptosporidium* to surface waters—a case study for Bangladesh and India. *Environmental Research Letters*, 10(9), 094017.

Vermeulen, L.C., Hofstra, N., Kroeze, C., & Medema, G. (2015). Advancing waterborne pathogen modelling: lessons from global nutrient export models. *Current Opinion in Environmental Sustainability*, 14, 109-120.

## **a.2 Non-ISI-journals**

Aalvanger, A., & Beunen, R. (2015). Kennis-machtrelaties en de rollen van onderzoekers. *Landschap* 32 (3): 119-125

Beunen, R., J. Dekker, J.N.M., Duineveld, M., During, R., Luttik, J., & Straver, G.H.M.B. (2015). Kennis in actie voor het Landschap. *Landschap*, 32(3), 110-111.

De Jong, E.B.P., Ragas, A.M.J., Nootboom, G., & Mursidi, M. (2015). Changing Water Quality in the Middle Mahakam Lakes: Water Quality Trends in a Context of Rapid Deforestation, Mining and Palm Oil Plantation Development in Indonesia's Middle Mahakam Wetlands. *Wetlands*, 35(4), 733-744. doi: 10.1007/s13157-015-0665-z\*

Jongman, R., Beunen, R., Bouwma, I., & Dekker, J. (2015). Het Nederlandse onderzoek naar Natura 2000. *Landschap*, 32(4), 171-177.

Van der Steen, J.J.M., De Kraker, J., & Grotenhuis, T. (2015). Assessment of the potential of honey bees (*Apis mellifera* L.) in biomonitoring of air pollution by cadmium, lead and vanadium. *Journal of Environmental Protection*, 6, 96-102.

## **b. Non-refereed Articles**

### **c. Books**

Beunen, R., Van Assche, K., & Duinveld, M. (2015). *Evolutionary Governance Theory. Theory and applications*. Heidelberg: Springer International Publishing.

### **d. Chapters**

Beunen, R., Van Assche, K., & Duineveld, M. (2015). Bright Futures! (and Plenty of Work). In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 329-334). Heidelberg: Springer International Publishing.

Beunen, R., Van Assche, K. & Duineveld, M. (2015). Power/Knowledge as a Driver for Governance Evolution. In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 137-141). Heidelberg: Springer International Publishing.

Beunen, R., Van Assche, K. & Duineveld, M. (2015), The Search for Evolutionary Approaches to Governance. In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 3-17). Heidelberg: Springer International Publishing.

Cörvers, R., Wiek, A., de Kraker, J., Lang, D.J., & Martens, P. (2015). Problem-based and project-based Learning for Sustainable Development. In H. Heinrichs, P. Martens, G. Michelsen, & A. Wiek (Eds.), *Sustainability Science: An Introduction* (pp. 349-358). Heidelberg: Springer International Publishing.

Van Assche, K., Beunen, R., Barba Lata, I.V. & Duineveld, M. (2015). Innovation in Governance. In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 313-325). Heidelberg: Springer International Publishing.

Van Assche, K., Beunen, R., & Duineveld, M. (2015). An Overview of EGT's Main Concepts. In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 19-33). Heidelberg: Springer International Publishing.

Van Assche, K., Beunen, R., Duineveld, M., & De Jong, H.C. (2015). Co-evolutions of planning and design: Risks and benefits of design perspectives in planning systems. S.S. Fainstein & J. DeFilippis (eds.), *Readings in Planning Theory*. John Wiley & Sons: 51-74.

Van Assche, K., Beunen, R., Smit, A., & Verschraegen, G. (2015). Planning and Law in Evolving Governance. In R. Beunen, K. Van Assche, & M. Duineveld (Eds.), *Evolutionary Governance Theory: Theory and Applications* (pp. 37-55). Heidelberg: Springer International Publishing.

Van Assche, K., Duineveld, M., Beunen, R., & Teampau, P. (2015). Circumscribing locals: Transformations of knowledge/power and the governance of the Danube delta. In C. Iordachi, K. Van Assche, *The Biopolitics of the Danube Delta* (pp. 403-430). London: Lexington Books.

#### **e. PhD thesis**

Van der Wal, M. (2015). *The Role of Computer Models in Social Learning for Participatory Natural Resource Management*. PhD Dissertation, Heerlen: Open Universiteit.

Suwarno, D. (2015). *River Export of Nutrients to the Coastal Waters of Indonesia; The Role of Sewage and Dams*. Heerlen: Open Universiteit, January 2015.

#### **f. Conference papers**

Brouwer, S., & Huitema, D. (2015). *Policy Entrepreneurs in the Picture: the Who, What, Why, and How*. Paper for the Milan 2015 International Conference of Public Policy (ICPP), 01-07-2015/04-07-2015.

De Kraker, J., Cörvers, R., & A. Offermans (2015). *The role of student diversity in competence-based Higher Education for Sustainable Development*. Presented at the COPERNICUS Alliance Conference, Madrid (Spain), 24 November 2015.

Huitema, D. (2015). *Innovations in climate governance. A conceptual framework and introduction of COST Action INOGO*. Presentation to the 2nd biannual European Climate Change Adaptation (ECCA) Conference, Copenhagen, 15-5-2015.

Huitema, D. (2015). *Global water governance trends. Some examples of sources, patterns and effects*. Invited Keynote Speech to the Seven Challenges for Sustainability Meeting on The Global Water Crisis, Lund (Sweden), 9-4-2015.

Huitema, D. (2015). *Adaptief waterbeheer, een governance perspectief*. Keynote speech to the Opening Seminar of the Amsterdam Water Science institute, Amsterdam, 26-11-2015.

Huitema, D. (2015). Chair and principal organizer Workshop of Entrepreneurship in Climate Governance. International Workshop, Amsterdam May 2015.

Huitema, D. (2015). Co-chair panel “The innovation of adaptation policies across scales” at the 2nd biannual European Climate Change Adaptation (ECCA) Conference, Copenhagen, 15-5-2015.

Huitema D., & Jordan, A. (2015). *Climate policy innovation: sources, patterns and effects*. Presentation to the Conference “Our common future under climate change”, Paris, 9 July 2015.

Lansu, A. (2015). *It is Time to Design. Enhancing Student Performances in an Open Science BSc-Curriculum*. EADTU conference, Hagen (D), 29 oktober 2015.  
<http://conference.eadtu.eu/images/Programme>

Lansu, A., Ragas, A., & Ivens, W. (2015). *Enhancing Student Performances in an Open Science BSc-Curriculum*. EADTU conference Transforming Education in the 21th Century: Blended Education ([http://conference.eadtu.eu/images/Abstracts\\_and\\_papers/Enhancing\\_Student\\_Performances\\_in\\_open\\_science\\_education.pdf](http://conference.eadtu.eu/images/Abstracts_and_papers/Enhancing_Student_Performances_in_open_science_education.pdf))

Leontjevas, R., Fredrix, L. Jacobs, N, Koopmans, R.T.C.M., & Gerritsen, D.L. (2015). *Relationship between apathetic symptoms, depressive symptoms and executive functioning in nursing home residents: an 8-month longitudinal study*, poster presentation at the IPA (International Psychogeriatric Association) International Congress, Berlijn, 13-16 October 2015.

Perez Salgado, F. (2015). Investigating Intervention Competence in Multi-actor Settings with Professionals Conference Proceedings ‘Competence and Excellence in Extension and Education’, European Seminar on Extension and Education (ESEE ) 2015, Wageningen University, Netherlands.

## 5.2 Professional Publications

### a. Journals

Van Mansvelt, J.D., & Geluk, P. (2015). De bodem: weten, eten en geweten. *Bodem, tijdschrift voor duurzaam bodembeheer*, 4(25), 18-20.

Kole, P.-J., Löhr A., & Ragas, A. (2015). Autobandenslijtstof: een verwaarloosde bron van microplastics? *Tijdschrift Milieu*, VVM – netwerk voor Milieuprofessionals, september 2015, 39-41.

#### **e. Conference Papers**

Beunen, R. (2015). *Can the pursuit of good governance undermine good governance? Reflections on local governance reform in the Netherlands*. Conference on Good Governance & Informality in Bern (Switzerland) July 3rd 2015

Beunen, R. (2015). *Innovation in local governance: towards an evolutionary model for understanding the possibilities and limitations of change*. 10th International Conference in Interpretive Policy Analysis (IPA) under the title "Policies and their publics: discourses, actors and power" in Lille (France) from 8 July 2015 to 10 July 2015

#### **g. Reports**

DuurzaamDoor, *White Paper Natuur, Milieu, Duurzaamheid en Onderwijs*, juli 2015, Utrecht, Nederland (bijdrage van velen, waaronder Paquita Pérez van de Open Universiteit).

Dzyundzyak, A., Baird, J., Plummer, R., Bullock, R., Dupont, D., & Huitema, D. (2015). *A survey of stakeholders about flooding and governance*. Meuse River, The Netherlands. Report to the CADWAGO project. Environmental Sustainability Research Centre, Brock University: St. Catharines, Canada.

Jans, E., Löhr, A., Van Huet, I., & Lemmens, M. (2015). *Tevredenheid Basisscholen over Limburgs NME aanbod*. Onderzoeksrapport in opdracht van de Provincie Limburg. Provincie Limburg, Maastricht.

Kivimaa, P., Hildén, M., Huitema, D., Jordan, A., & Newig, J. (2015). *Experiments in Climate Governance. Lessons from a Systematic Review of Case Studies in Transition Research*. SPRU Working Paper Series (SWPS), 2015-36: 1-30. ISSN 2057-6668. Available at [www.sussex.ac.uk/spru/swps2015-36](http://www.sussex.ac.uk/spru/swps2015-36)

Löhr, A., Jans, E., Van Huet, I., & Lemmens, M. (2015). *Beleid van Limburgse gemeenten op het gebied van natuurmilieu-educatie*. Onderzoeksrapport in opdracht van de Provincie Limburg. Provincie Limburg, Maastricht.

### **5.3.1 General Publications**

#### **c. Contribution to Newspaper – Article or Weekly**

Löhr, A.J. (2015). Presentatie op het Eureka festival ihkv Nationale wetenschapsagenda. *Plastics in het milieu: wereldwijd aanpakken*. Amsterdam, 29 november.

Löhr, A.J. (2015) WERELD WATERDAG "Niet mijn probleem. Het grootste probleem van de plasticsoep in onze zeeën en oceanen? Dat juridisch gezien niemand verantwoordelijk is." Interview *Dagblad De Limburger Limburgs Dagblad*. Vrijdag, 20 maart 2015.

Paquita Pérez één van de hoogleraren, 'Oproep 64 hoogleraren: Sluit alle kolencentrales' (Joop Bouma), *Dagblad Trouw*, voorpagina, maandag 23 november 2015.

Paquita Pérez één van de hoogleraren, 'Wetenschappers: 25 procent CO<sub>2</sub>-reductie is zeker haalbaar' (Joop Bouma, Bart Zuidervaart), *Dagblad Trouw*, pagina 2, Binnenland, donderdag 20 augustus 2015.

Paquita Pérez één van de hoogleraren, 'Wetenschappers: klimaatregels eenvoudig aan te scherpen: Nederland kan uitstoot broeikasgas snel beperken' (Jeroen Trommelen), *Dagblad de Volkskrant*, pagina 1 en 2, donderdag 20 augustus 2015.

### **5.3.2 Other Publications**

#### **a. Abstract**

Strokal, M., Kroeze C., Wang, M., Li, L., Luan, S., Yang, S., & Zhang, Y. (2015). Sub-basin scale modeling of nitrogen and phosphorus export by rivers to coastal waters of China. In W. Loiskandl, A. Strauss-Sieberth, D. Fraters, & K. Kovar (Eds.), Volume of abstracts of the LuWQ2015, *Land Use and Water Quality: Agricultural Production and the Environment*, 21-24 September 2015, Vienna, Austria (meeting abstract).

Wang, M., Kroeze, C., Ma, L., Liu, X. (2015). Nitrogen and phosphorus use efficiencies in agricultural production and their effects on water pollution in China. In W. Loiskandl, A. Strauss-Sieberth, D. Fraters, & K. Kovar (Eds.), Volume of abstracts of the LuWQ2015, *Land Use and Water Quality: Agricultural Production and the Environment*, 21-24 September 2015, Vienna, Austria (meeting abstract).

#### **b. Review**

#### **c. Guest-editor of Book or Journal**

#### **d. Editor of Journal**

Beunen, R., *Journal of Environmental Planning and Management* – Lid editorial board

Beunen, R., *Landschap. Tijdschrift voor landschapsonderzoek* – Lid editorial board, Beunen, Raoul

Huitema, D., Associate editor *Ecology and Society*

Huitema, D., Member Advisory Editorial Board *Annual Review of Policy Design*

Huitema, D., Member Editorial Board *Beleidsonderzoek Online*

Huitema, D., Member Editorial Board *Climate Risk Management*

Huitema, D., Member Editorial Board *Global Environmental Change*

Ivens, Wilfried, *CLEAN – Soil, Air, Water* – Lid Advisory Board

De Kraker, J., *Aegean Journal of Environmental Sciences* - Lid editorial board

Kroeze, C., *Carbon Management* - Lid editorial board

Kroeze, C., *Milieu* – Lid redactieadviesraad

Pérez Salgado, P., *Onderwijsinnovatie* – Lid Wetenschappelijke Raad

Pérez Salgado, P., *Milieu* – Lid Milieu Dossier

Weber, M., *Geluid* – Lid redactie (Wolters Kluwer)

#### **f. Contribution on Internet, TV, Radio**

Lansu, A. (2015). Kunnen we de aarde laten beven? Serious Request College Marathon Open Universiteit, Heerlen, 23 december 2015. <https://www.ou.nl/web/serious-request-15/programma>

Lansu, A. (2015). Smart Cities op wankel bodem. Symposium Natuurwetenschappen Smart Cities op wankel bodem. Heerlen, 7 november 2015. [www.ou.nl/nw-symposium](http://www.ou.nl/nw-symposium)

Löhr, A., Savelli, H., Ragas, A., Kalz, M., Beunen, R., Van Belleghem, F., ... Huitema, D. (2015). Massive Open Online Course (MOOC) on Marine Litter. <https://www.marinelittermooc.org>

Langelaan, I., Nuyttens, I., Jansen, M., Roex E. & Löhr, A. (2015). Microplastics in de Nederlandse zoete wateren. H2O januari 2015.

Löhr, A. (2015). Radio-interview BNR nieuwsradio 21 oktober 2015.

## **Research output “Technology”**

### **Table 5.1 Academic Publications**

#### **a.1 ISI-journals**

Joosten, S.M.M., & Joosten, S.J.C. (2015). Type Checking by Domain Analysis in Ampersand, Proceedings RAMiCS, Relational and Algebraic Methods in Computer Science. *Lecture Notes in Computer Science*, 9348, 225-240.

Mikalef, P., Pateli, A., Batenburg, R. S., & Wetering, R. v. d. (2015). Purchasing alignment under multiple contingencies: a configuration theory approach. *Industrial Management & Data Systems*, 115(4), 625-645.

Roubtsova, E. (2015). Advances in Behavior Modeling. *Advances in Computers*, 97, 49–109. doi:<http://dx.doi.org/10.1016/bs.adcom.2014.10.003>

Shkaravska, O., Della Rocca, S.R., & Van Eekelen, M. (2015). Preface of the Special Issue on Foundational and Practical Aspects of Resource Analysis (FOPARA) 2009 & 2011. *Science of Computer Programming*.

Smetsers, S., & Van Eekelen, M. (2015). Derivation and Inference of Higher-Order Strictness Types. *Computer Languages, Systems & Structures*, 44, Part B, 165-180.

Tarenskeen, D., Bakker, R., & Joosten, S. (2015). Applying the V Model and Axiomatic Design in the Domain of IT Architecture Practice. *Procedia CIRP*, 34, 263-268.

## **a.2 Non-ISI-journals**

De Kok, A., Esten, R., & Helms, R.W. (2015). Knowledge sharing in the new world of work: Effects of the New Way of Working. *Journal of Information Technology Services*, 14(2).

Otten, S., Spruit, M.R., & Helms, R.W. (2015). Towards decision analytics in product portfolio management. *Decision Analytics*, 2(4).

Roubsov, S., & Roubtsova, E. (2015). *Decision Modules in Models and Implementations*. Post-proceedings of the six International workshops on Behaviour Modelling-Foundations and Applications. BM-FA2009-2014, LNCS 6368. Berlin/Heidelberg: Springer-Verlag.

Roubtsova, E., McNeile, A., Kindler, E., & Gerth, C. (2015). *Post-proceedings of the six International workshops on Behaviour Modelling-Foundations and Applications*. BM-FA2009-2014, LNCS 6368. Berlin/Heidelberg: Springer-Verlag.

Vyas, D., Dix, A., & Van der Veer, G.C. (2015). Reflections and Encounters: Exploring Awareness in an Academic Environment. *Computer Supported Cooperative Work*, 24, 277-317.

## **c. Books**

Consiglio, T., & Van der Veer, G.C. (2015). ICT Support for Collaborative Learning - a Tale of Two Cities. In P. Isaías, M. Spector, D. Ifenthaler, D.G. Sampson (Eds.), *E-Learning Systems, Environments and Approaches – Theory and Implementation*. Springer. doi:10.1007/978-3-319-05825-2

Shkaravska, O., Della Rocca, S.R., & Van Eekelen, M. (2015). (Guest Eds.). Special Issue on Foundational and Practical Aspects of Resource Analysis (FOPARA) 2009 & 2011. *Science of Computer Programming*, 111, Part 3, 363-557.

## **d. Chapters**

Barendsen, E., Mannila, L., Demo, B., Grgurina, N., Izu, C., Mirolo, C., ... Stupurienė, G. (2015). Concepts in K–9 computer science education. In *ITICSE-WG'15*. *ACM Digital Library*.



Buisman, A. & Van Eekelen, M. (2015). Gamification in Educational Software Development. In Barendsen & Daglené (Eds). *Proceedings of Computer Science Education Research Conference 2014* (pp. 9-20). Berlin: ACM Digital Library.

Cox, J. Bouwers, E., Van Eekelen, M., & Visser, J. (2015). *Measuring dependency freshness in software systems. Software Engineering in Practice*. Track of the 37th International Conference on Software Engineering (pp. 109-118). Firenze, Italy. ICSE Companion Proceedings.

Grgurina, N., Barendsen, E., Van Veen, K., Suhre, C., & Zwaneveld, B. (2015). Exploring Students' Computational Thinking Skills in Modeling and Simulation Projects: a Pilot Study. In *Proceedings of the Workshop in Primary and Secondary Computing Education* (pp. 65-68). ACM.

Haag, J., Witte, Ch., Karsch, S., Vranken, H., & Van Eekelen, M. (2015). An exercise assistant for practical networking and IT security courses in higher education. In S. Zvacek, M.T. Restivo, J. Uhomobhi, M. Helfert (Eds), *Computer Supported Education. Communications in Computer and Information Science (CCIS)* (pp. 1-15). 510, Springer Verlag.

Köppe, C., Van Eekelen M., & Hoppenbrouwers, S. (2015). *Improving Student Group Work with Collaboration Patterns: A Case Study. Joint Software Engineering Education and Training*. Track of the 37th International Conference on Software Engineering (pp. 303-306). Firenze, Italy. ICSE Companion Proceedings.

Kiljan, S., Vranken, H., Van Eekelen, M. (2015). What You Enter Is What You Sign: input integrity in an online banking environment. In G. Bella & G. Lenzini (Eds.), *Proceedings of the 3rd Int. Workshop on Socio-Technical Aspects of Security and Trust* (pp. 40-47). STAST2014 Vienna Austria. IEEE Xplore Digital Library.

Montes Portela, C., Klapwijk, P., Verheijen, L., De Boer, H., Van Eekelen, M., & Slootweg, H. (2015). *OSCP – An open protocol for smart charging of electric vehicles*. Proceedings of the 23rd International Conference on Electricity Distribution, Lyon, France, (pp. paper 0106-1/5). London: CIRED.

Smetsers, S., Madlener, K., & Van Eekelen, M. (2015). Formalizing Bialgebraic Semantics in PVS 6.0. In S. Escobar & N. Nishida (Eds.), *Proceedings of the Second International Workshop on Rewriting Techniques for Program Transformations and Evaluation (WPTE2015), Affiliated with RDP 2015* (pp. 47-61). Warsaw, Poland. OpenAccess Series in Informatics (OASIS) of Schloss Dagstuhl Leibniz-Zentrum für Informatik, Volume 46.

#### **e. PhD thesis**

Michels, G., *Development Environment for Rule-based Prototyping*. PhD-Thesis Open Universiteit, 2015.

Sterk, M., *Operationalising resilience for ecosystem management by assessing ecosystems' adaptive capacity*. Dissertatie Wageningen UR, 2015.

Stuurman, S., *Design for change*, Open Universiteit 2015.

## f. Conference papers

Bagheri, S., Kusters, R.J., & Trienekens, J.J.M. (2015). Business-IT alignment in PSS value networks linking customer knowledge management to social customer relationship management. In S. Hammoudi, J. Cordeiro & L. Maciaszek (Eds.), *ICEIS 2015, 17th International Conference on Enterprise Information Systems* (pp. 249-257), 27-30 April 2015, Barcelona, Spain, Scitepress.

Bagheri, S., Kusters, R.J., & Trienekens, J.J.M. (2015). The customer knowledge management lifecycle in PSS value networks: towards process characterization. In A. Garlatti, M. Massaro (Ed.), *ECKM 2015, 16th European Conference on Knowledge Management* (pp. 66-77), 3-4 September 2015, Udine, Italy, Academic Conferences and Publishing International Limited Reading, UK.

Barendsen, E., & Henze, I. (2015). *Teacher knowledge and student attitudes in context-based science education*. Paper presented at NARST 2015, Chicago, IL.

Benvenuti, L., Kooijmans, C.F., Versendaal, J., & Van der Veer, G.C. (2015). *Representation of abstract concepts: Differences across computing disciplines*. Proceedings Frontiers in Education Conference (FIE), October 2015. 32614 2015. IEEE (pp. 1-9). IEEE.

Bernstein, D.J., Van Gastel, B., Janssen, W., Lange, T., Schwabe, P., & Smetsers, S. (2015). *TweetNaCl: A Crypto Library in 100 Tweets*. Proceedings of LATINCRYPT 2014, 64-83.

Bockisch, C., Van 't Riet, M., Yin, H., Aksit, M., Lin, Z., Chen, Y., & Zhao, J. (2015). *Trace-based Debugging for Advanced-Dispatching Programming Languages*. Proceedings of Implementation, Compilation, Optimization of Object-Oriented Languages, Programs and Systems, ACM.

Consiglio, T., Uras, S., Van der Veer, G.C. (2015). *Teaching Design for Living Memory*. Proceedings of the Sixth International Workshop on Human-Computer Interaction, Tourism and Cultural Heritage (HCITOCH 2015), Strategies for a Creative Future with Computer Science, Quality Design and Communicability, Ravenna, Italy, September 22-24, Blue Herons Eds, doi:10.978.8896471/357

Cuenca, L., Boza, A., Trienekens, J.J.M., & Ortiz, A. (2015). *Conceptual interoperability barriers framework (CIBF)*. In S. Hammoudi, E. Teniente, L. Leszek Maciaszek (Eds.), Proceedings of the 17th International Conference on Enterprise Information Systems (ICEIS2015), Barcelona, Spain. SciTePress. (pp. 521-531).

De Kok, A., Lubbers, Y., & Helms, R.W. (2015). *Mobility and security in the new way of working: Employee satisfaction in a Choose Your Own Device (cyod) environment*. In Proceedings of the Mediterranean Conference on Information Systems (MCIS2015). Samos, Greece: Association for Information Systems.

Helms, R.W., Barneveld, R. & Dalpiaz, F. (2015). *A method for the design of gamified trainings*. In Proceedings of the Pacific Asian Conference on Information Systems (PACIS2015) (Paper 59). Singapore: Association for Information Systems.

Högler, T., Versendaal, J., & Batenburg, R. (2015). *Evaluation of Mobile Systems – An Integrative Framework*. Proceedings of the 21st Americas Conference on Information Systems in Puerto Rico (AMCIS 2015).

Jonker, H.L., Mauw, S., & Radomirović, S. (2015). Location-private interstellar communication. In B. Christianson, P. Svenda, V. Matyás, J.A. Malcolm, F. Stajano, & J. Anderson (Eds.), *Proceedings of the 23rd Security Protocols Workshop (SPW'15)* (pp. 105-115), Springer, LNCS 9379, Cambridge, UK.

Kandziora, J., Huisman, M., Bockisch, C., & Zaharieva-Stojanovski, M. (2015). *Run-time Assertion Checking of JML Annotations in Multithreaded Applications with e-OpenJML*. Proceedings of Formal Techniques for Java-like Programs, ACM.

Keiren, J.J.A. (2015). Benchmarks for Parity Games. *Fundamentals of Software Engineering (FSEN 2015)*. Vol. 9392. LNCS. Springer, 2015, pp. 126–142. doi:10.1007/978-3-319-24644-4\_9

Kusters, R.J., Munneke, F.M., & Trienekens, J.J.M. (2015). The Impact of Lean Techniques on Factors Influencing Defect Injection in Software Development. In S. Hammoudi, J. Cordeiro & L. Maciaszek (Eds.), *ICEIS 2015 - Proceedings of the 17th International Conference on Enterprise Information Systems, Volume 2* (pp. 412-419), 27-30 April. Barcelona, Spain: Scitepress.

Liu, M., Hommersom, A., Van der Heijden, M., & Lucas, P.J.F. (2015). *Hybrid Time Bayesian Networks*. In Proceedings of Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2015), LNCS 9161, 376-386, Compiègne, France.

Lodder, J., Heeren, B., & Jeuring, J. (2015). A pilot study of the use of logex, lessons learned. In M. Antonia Huertas et al. (Eds.), *Proceedings of the fourth international conference on tools for teaching logic 2015*. Rennes, France.

Ponsteen, A., & Kusters, R.J. (2015). Classification of human- and automated resource allocation approaches in multi-project management. In B. Pasian & P. Storm (Eds.), *Proceedings of the 2014 IPMA World Congress, 29 September - 1 October 2014, Rotterdam, The Netherlands, (Procedia - Social and Behavioral Sciences, 194, pp. 165-173)*. Amsterdam: Elsevier.

Rasouli, M., Eshuis, H., Trienekens, J.J.M., Kusters, R.J. & Grefen, P.W.P.J. (2015). *Information Quality in Dynamic Networked Business Process Management*. Conference Paper: OTM 2015 Conference, Springer, in press.

Rasouli, M., Trienekens, J.J.M., Kusters, R.J., & Grefen, P.W.P.J. (2015). A dynamic capabilities perspective on service orientation in demand supply chains. In M. Shpitalni, A. Fisher & I. Molcho (Eds.), *Procedia CIRP 7th Industrial Product-Service Systems Conference - PSS, industry transformation for sustainability and business*, Cape Town, South Africa, 23-29 August 2015, Elsevier.

Rutledge, L., Brenninkmeijer, T., Zwanenberg, T., Van de Heijning, J., Mekkering, A., Theunissen, J.N., & Bos, R. (2015). *From Ontology to Semantic Wiki – Designing Annotation and Browse Interfaces for Given Ontologies*. Proceedings of the Workshop on Semantic Web Collaborative Spaces (SWCS 2015)

Stojanov, I., Turetken, O., & Trienekens, J.J.M. (2015). *A maturity model for scaling agile development*. In Proceedings of the 41st EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA2015) Madeira, Portugal. Piscataway: IEEE, 2015, pp. 446-453.

Torres Ferreira, C., Jonker, H.L., & Mauw, S. (2015). FP-Block: usable web privacy by controlling browser fingerprinting. In G. Pernul, P.Y.A. Ryan, & E. Weippl (Eds.), *Proceedings of the 20th European Symposium on Research in Computer Security (ESORICS'15)*. Springer, LNCS 9327, pp 3-19, Vienna, Austria.

Trienekens, J.J.M. (2015). Chituc, C.-M.; Sabelnikova, E. (2015). *Analysing business-IT alignment in the IT outsourcing context*. In S. Hammoudi, E. Teniente, & L. Leszek Maciaszek (Eds.), *Proceedings of the 17th International Conference on Enterprise Information Systems (ICEIS2015)*, Barcelona, Spain. SciTePress, 2015, pp. 5-16.

Trienekens, J.J.M. (2015). *Towards a Metrics Model for DevOps, results of a case study in an industrial company*. In C. Ireland, & P. Dini (Eds.), *Proceedings of the First International Conference on Fundamentals and Advances in Software Systems Integration (FASSI2015)*, 2015, Venice. Italy. New York USA : IARIA 2015, pp. 1-6.

Uras S., Consiglio T., Van der Veer G.C., (2015). *Keeping Cultural Heritage alive - Opportunities with ICT*. *Proceedings of the Sixth International Workshop on Human-Computer Interaction, Tourism and Cultural Heritage ( HCITOCH 2015 )*, Strategies for a Creative Future with Computer Science, Quality Design and Communicability, Ravenna, Italy, September 22-24, 2015 - Blue Herons Eds, doi:10.978.8896471/357

Van der Veer, G.C. (2015). *The Future of Visual Perception*. *Proceedings of IFIP WG 13.7 INTERACT 2015 Workshop on Designing Interaction and Visualization for Mobile Applications (DIViM 2015)*, p. 1-9.

Van Eekelen, M. (2015). *Full of Energy!* Invited Speaker. ICT.open 2015, Amersfoort, March 2015.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). *Cloud Oriented Business Process Outsourcing using Business Rule Management*. *Proceedings of the 28th Bled eConference 2015*. Bled, Slovenia.

Verbeek, F., Schmaltz, J., Tverdyshev, S., Blasum, H., Havle, O., Langenstein, B., ... Wolff, B. (2015). *Formal API Specification of the PikeOS Separation Kernel*. *Proceedings of the NASA Formal Methods Conference, 2015: 375-389*.

Wagenaar, G., Helms, R.W., Damian, D., & Brinkkemper, S. (2015). *Artefacts in Agile Software Development*. *Proceedings of the 16th International Conference on Product-Focused Software Process Improvement (Profes2015)*. Bozen-Bolzano, Italy: Springer.

## 5.2 Professional Publications

### a. Journals

Barendsen, E. (2015). Informatica-onderwijs op de schop: Pleidooien voor verandering. *Van Twaalf tot Achttien*, 25(6), 6-8.

Liu, Z., Karat, J., Van der Veer, G., & Kujala T. (2015). SIGCHI's Support for HCI in Developing Worlds. *Interactions*, 22(5), ACM Digital Library, p. 77.

Van der Veer, G.C. (2015). Supporting Growth. *Interactions*, 22(1), ACM Digital Library, p. 78.

Van der Veer, G.C. (2015). Thanks to our volunteers and friends. *Interactions*, 22(3), ACM Digital Library, p. 77.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). BPO-diensten uit de cloud. *Outsource Magazine*, juni 2015, 22-27.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). Dynamisch cloudsourcen van bedrijfsprocessen. *Informatie*, oktober 2015, 30-35.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). Ook clouddiensten hebben governance nodig. *Outsource Magazine*, december 2015, 16-19.

#### **b. Books**

Van den Bos, P., Poll, E., & Van Eekelen, M. (2015). *Cybersecurity*. NLT Module voor het middelbaar onderwijs. Ingediend ter certificatie.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). *Bedrijfsprocessen uit de Cloud*. Platform Outsourcing Nederland.

#### **c. Book-chapters**

Van Eekelen, M., & Dirven, L. (2015). *Inspired<sup>3</sup> = Art \* Personal \* Science = 4 \* PRM*. In Liber Amicorum Henk Barendregt, pp. 26.

Van Grondelle, J., Liefers, R., & Versendaal, J. (2015). Besturing van As-a-Service BPO Diensten. In *Outsource Magazine Jaarboek 2015*, 28-33.

#### **e. Conference Papers**

Bockisch, C., Keiren, J., Van Gastel, B., Kersten, R., & Van Eekelen, M. (2015). *Big Energy Data For Software Engineering*. At European Conference on Object-Oriented Programming, Prague, Czech Republic.

Sewberath Misser, N.R.R., Jaspers, J.E.N, Van Zaane, B., Gooszen, H., & Versendaal, J. (2015). *Technologische Innovaties in het OK-complex: De ontwikkeling van een implementatiemodel* (poster). Congres Benchmarking OK 2015, 26 juni 2015, Erasmus MC, Rotterdam, Nederland.

Vranken, H., & Poll, E. (2015). *Een mastercursus over software security: van contactonderwijs naar afstandonderwijs*. Presentatie NIOC, Enschede, 23-24 april 2015.

#### **g. Reports**

Bijlsma, A., Bockisch, C., Passier, H.J.M., & Pootjes, H.J. (2015). *Methodical Concurrency Design in Education, Part II: Deadlock*. Tech. rep. TR-OU-INF-2015-01b. Open Universiteit, Faculty of Management, Science and Technology.

Bijlsma, A., Passier, H.J.M., Pootjes, H.J., & Smetsers, S. (2015). *Methodical Concurrency Design in Education, Part I: Race Conditions*. Tech. rep. TR-OU-INF-2015-01a. Open Universiteit, Faculty of Management, Science and Technology.

### 5.3.1 General Publications

#### b. Article in a popular Journal

Van Eekelen, M. (2015). De slimme energiemeter. Iedereen aan de slimme meter? Interview door Erik Honig. *Consumentengids*, 3, 52-53.

Van Eekelen, M. (2015). ICT-Netwerk Nijmegen op weg naar VELO-CITY 2017 - Kenniswerkers betrekken bij duurzame mobiliteit. Interview in *Reportage. Het Ondernemersbelang*. Editie 01-2015.

Van Eekelen, M. (2015). Goed onderwijs kan altijd beter. *Modulair*, 31, 10-11, december 2015, Open Universiteit.

Van Eekelen, M. (2015). Radboud Universiteit op weg naar Velo-City 2017: Kenniswerkers betrekken bij duurzame mobiliteit. *Mercator Noviotech Magazine*, 3(1), 2015.

#### c. Contribution to Newspaper – Article or Weekly

Helms, R.W. (2015). Het belangrijkste nieuws volgens Remko Helms. *Automatiseringgids*, 26 juni 2014.

Helms, R.W. (2015). De slimigheid moet in het voortraject zitten. *Automatiseringgids*, 18 mei, 2015.

Helms, R.W. (2015). Het belangrijkste nieuws volgens Remko Helms. *Automatiseringgids*, 4 september 2015.

Helms, R.W. (2015). Het belangrijkste nieuws volgens Remko Helms. *Automatiseringgids*, 13 november 2015.

Helms, R.W. (2015). Inkoper, ga eens op big data safari! *DEAL*, april 2015.

Jeuring, J. (2015). Bijdrage over communicatie in: *The New Economy* (5 december, 2015).

Jeuring, J. (2015). Bijdrage over communicatie in: *Trouw* (7 december, 2015).

Jeuring, J. (2015). Bijdrage over communicatie in: *de Volkskrant* (4 februari, 2015).

Jeuring, J. (2015). Bijdrage over communicatie in: *Reformatorisch Dagblad* (14 februari, 2015).

Versendaal, J. (2015). Ondernemer moet radicaal anders denken. *Barneveldse Krant*, 3 maart, 2015.

### **5.3.2 Other Publications**

#### **b. Review**

Roubtsova, E., Review of the boek: <http://www.amazon.com/review/R2JODFLGDO2CNW>. *Process Mining: Discovery, Conformance and Enhancement of Business Processes*, Springer. ISBN 978-3-642-19344-6; Author: Wil M.P. van der Aalst.

Versendaal, J., Diverse conferenties, waaronder Bled eConference 2015.

#### **c. Guest-editor of Book or Journal**

Hommersom, A., & Lucas, P.J.F. (2015). *Foundations of Biomedical Knowledge Representation: Methods and Applications*, Springer.

Proceedings 28th Bled eConference, June 7-10, 2015. Editors: Roger Bons, Johan Versendaal, Andreja Pucihar and Mirjana Kljajic Borstnar.

Roubtsova, E., McNeile, A., Kindler, E., Gerth, C. (redactie) (2015) *Post-proceedings of the six International workshops on Behaviour Modelling-Foundations and Applications*. BM-FA2009-2014, LNCS 6368. Springer-Verlag Berlin Heidelberg, 2015

Shkaravska, O., Ronchi Della Rocca, S., & Van Eekelen, M. (Guest Eds.) (2015). Special Issue on Foundational and Practical Aspects of Resource Analysis (FOPARA) 2009 & 2011. *Science of Computer Programming*. Vol. 111. Part 3, pp. 363-557. November 2015, ISSN 0167-6423. Elsevier.

#### **d. Editor of Journal**

Barendsen, E., Informatics in Education – Lid editorial board

#### **e. Inaugural Lecture**

Helms, R.W. (2015). *Datasafari – exploreren om te innoveren (in Dutch)*. Inaugural speech. Heerlen: Open University, pp. 48.

Versendaal, J. (2015). *E-business: Over digitale zelfbediening en organisaties in transitie*. Oratie. Heerlen: Open Universiteit

#### **Contribution on Internet, TV, Radio**

Counotte, A., Zuidberg, G., & Harryvan, D. (2015). *Quick Wins in existing Data Centers, Evaluation of the OpenDCME Model*, [http://enviroinfo2015.org/documents/Poster\\_19\\_\\_150\\_.pdf](http://enviroinfo2015.org/documents/Poster_19__150_.pdf)

Jeuring, J. (2015). Bijdrage over communicate op radio Utrecht (februari 2015).

Jeuring, J. (2015). Bijdrage over communicate op TV Utrecht (juni 2015).

Van de Wetering, R. (2015). *Met je smartphone op jacht naar het eeuwige leven*.  
<http://www.slideshare.net/rvandewetering>

Versendaal, J. (2015). Interview mbt introductie Erasmus+ project ESSENCE:  
<http://husite.nl/essence/>



## Appendix 2

### Professors appointed in 2015

#### **Dr. Marco Kalz/Hoogleraar Open Educational Resources/UNESCO chair**

##### **Vakgroep Strategie & General management**

**In dienst: 01-04-2015**

De heer Kalz is goed gevestigd in de onderzoekswereld van technologie ondersteund leren en OER en heeft hierin reeds een goede reputatie opgebouwd. Hij beschikt voorts over een uitgebreide publicatielijst, die zijn wetenschappelijke kwalificaties op het betreffende gebied en zijn betrokkenheid met OER onderbouwen. De heer Kalz is didactisch sterk onderlegd en heeft bewezen grote onderzoeksprojecten binnen te kunnen halen. Verder heeft hij ruime ervaring met de begeleiding van promovendi in hun academische carrière en is hij sterk in het overdragen van zijn enthousiasme voor het vakgebied.

#### **Prof. dr. W.F.M. Bams/Hoogleraar Financial Management and Financial Markets**

##### **Vakgroep Governance, finance & control**

**In dienst: 01-05-2015**

De heer Bams combineert kennis en ervaring (zowel academisch als praktisch) op het terrein van het finance en risicomanagement. De combinatie van deze leerstoel met zijn leerstoel (risk management) in Maastricht alsmede zijn werkzaamheden in het bedrijfsleven (Philips pensioenfonds) maken dat de hoogleraar breed inzetbaar is en direct kan bijdragen aan het bachelor en master onderwijs bij bedrijfskunde en managementwetenschappen. Ook heeft hij ambities om post-master (derde geldstroom) onderwijs te ontwikkelen en doceren (op het terrein van risicomanagement in de publieke en semi-publieke sector). Voor wat betreft het onderzoek binnen de faculteit zal hij zich in eerste instantie richten op het publiceren van lopend onderzoek (prioriteit) en zal hij zich bezighouden met de begeleiding van onze studenten in de PhD-school.

#### **Prof. dr. W.F.J. Buijink /Hoogleraar Accounting**

##### **Vakgroep Governance, finance & control**

**In dienst: 01-07-2015**

De heer Buijink is goed gevestigd in de onderzoekswereld van het accounting onderzoek, nationaal en internationaal heeft hij in zijn lange wetenschappelijke loopbaan een indrukwekkend netwerk opgebouwd. Zijn netwerk wordt ingezet voor het stimuleren van onderzoek en om (jong) talent te scouten en werven. Daarnaast zal Professor Buijink zijn ruime ervaring en expertise op onderwijsgebied inzetten voor het (her)ontwerp van master en bachelor onderwijs aan onze faculteit.

#### **Dr. J. H.Semeijn/bijzonder hoogleraar Strategic Human Resources Management**

##### **Vakgroep Organisatie**

**(sinds 01-09-2015)**

Dr. Semeijn geeft haar visie op de invulling en focus van de leerstoel waarbij zowel het onderwijs als het onderzoek aan bod komen mede in relatie tot het werkveld van de professionals in het werkveld. Ze is ruim 15 jaar actief op het domein van Strategisch HRM en loopbaanmanagement en heeft hierin zowel binnen de wetenschap als in het veld een goede reputatie opgebouwd. Zowel binnen als buiten Nederland beschikt zij inmiddels over een waardevol academisch netwerk. In het HRM veld is zij eveneens actief betrokken bij de ontwikkeling en overdracht van kennis. Bijzonder is daarbij de relatie met NOLOC, de beroepsvereniging voor loopbaanprofessionals. NOLOC heeft de faculteit benaderd een leerstoel in te stellen ter bevordering van de kennis van professionals op het terrein van loopbaanmanagement.

#### **Dr. ir. Jos J.M. Trienekens /Hoogleraar bijzondere leerstoel Information Management in Educational Value Networks**

##### **Vakgroep Informatiekunde & Bedrijfsprocessen**

**In dienst: 01-10-2015**

De heer Trienekens is een ervaren hoofddocent en onderzoeker op het gebied van netwerkrelaties, informatiemanagement en databeheer, die met name op het terrein van toegepast onderzoek ruime ervaring en expertise heeft opgebouwd. Hij is naast zijn academische loopbaan werkzaam bij DEKRA, de Duitse

tegenhanger van TNO. Zijn onderwijs- en onderzoeksprofiel passen goed binnen de vakgroep Informatiekunde en bedrijfsprocessen. De leerstoel draagt bij aan het onderzoeksprofiel van de faculteit, met name op het terrein van valorisatie en derhalve ook het expertisecentrum BISS. Zijn ervaring en zijn netwerk zal worden ingezet bij het initiëren van onderzoek, maar ook op het terrein van contractonderwijs.

**Dr. Stefanie Kleimeier/Leerstoel Entrepreneurial Finance and Banking**

**Vakgroep Governance, finance & control**

**In dienst: 01-10-2015**

Mevrouw Kleimeier is goed gevestigd in de onderzoekswereld van het finance onderzoek, nationaal en internationaal heeft zij een solide wetenschappelijke loopbaan en een goed netwerk opgebouwd. De faculteit MST zal haar vragen bij te dragen aan de ontwikkeling van het vakgebied op het terrein van onderwijs en onderzoek. Ze wordt geacht haar bestaand onderzoek te continueren en te verankeren in het onderzoek van de faculteit. Zij is een ervaren docente die ook een belangrijke bijdrage kan leveren aan het herontwerp van het bachelor curriculum.

**Dr. P.L. Curseu/Hoogleraar leerstoel Organizational Behavior**

**Vakgroep Organisatie**

**In dienst: 01-11-2015**

De heer Curseu is te kenschetsen als een "high potential", hij heeft in de afgelopen 10 jaar een indrukwekkend wetenschappelijk CV opgebouwd als UD en UHD in Tilburg. Hij is zeer gedreven en heeft de commissie weten te overtuigen van zijn kwaliteiten, ambities en toekomstige onderzoeksplannen. Aangezien het om een tijdelijke leerstoel gaat is de commissie dieper ingegaan op het belang van het verwerven van externe fondsen. Daarin heeft hij op overtuigende wijze zijn huidige en toekomstige plannen ontvouwen. Zijn inzet is er volledig op gericht om binnen de termijn van 2 jaar bij te dragen aan het nieuwe onderzoeksprogramma van MST en fondsen te werven voor onder meer een continuering van deze leerstoel.

**Prof. dr. Dave Huitema/hoogleraar Milieubeleid**

**Vakgroep Natuurwetenschappen**

**In dienst: 01-11-2015**

Prof. Huitema heeft zijn academische basis in de milieubeleidswetenschappen, en werkt al vele jaren samen met chemici, biologen, psychologen, management-wetenschappers, sociologen, geografen etc. Hij geeft al ruim 12 jaar op interdisciplinaire wijze succesvol vorm aan onderwijs, onderzoek en externe projecten. Hij combineert een zeer sterk onderzoeksprofiel, met onder andere sociaal leren (bij milieubeleidsprocessen) als focus, met zeer goede acquisitievaardigheden, zowel op onderzoeksgebied, als ook in privaat-publieke projecten. Zijn ervaring en ... zal worden ingezet in een onderzoeksprogramma met thema sturing gericht op onderzoek naar effectieve vormen van 'governance' en naar participatieve benaderingen van veranderingsprocessen richting een duurzame samenleving met aandacht voor (sociale beleidsgerichte) leerprocessen en de vraag in hoeverre die met webgebaseerde technologie te bevorderen zijn (relatie met thema 'leren').

### Appendix 3 Research funding and grant applications 2015

#### **Research Programme Direct Funding**

<b>Person</b>	<b>Programme</b>	<b>Project</b>	<b>Budget OU</b>	<b>Status</b>
Mertens, G	College van Bestuur Open Universiteit	Stimuleringsfonds Onderzoek	€ 100.000	Ongoing

#### **Research Programme Research Grants**

<b>Person</b>	<b>Programme</b>	<b>Project</b>	<b>Budget</b>	<b>Status</b>
Roubtsova, E	NWO, TOP call Exacte Wetenschappen	Improvement Oriented Key Performance Indicators with Executable Models	unknown	Submitted
Huitema, D	NWO, call Onderzoekstalent 2016	The Emergence of legal innovations in environmental governance	unknown	Submitted
Löhr, A Ragas, A	NWO, call Urbanizing Deltas of the World,	Integrated Assessment and Management of Plastic Pollution in Indonesian Deltas	€ 100.000	Not granted but Subsidiabel
Caniels, M	NWO, Maatschappij- en Gedragwetenschappen, call Duurzame Business Modellen	The Practice of sustainable business models: the case of circular supply management	€ 175. 000	Granted

#### **Research Programme Contract Research**

<b>Person</b>	<b>Programme</b>	<b>Project</b>	<b>Budget</b>	<b>Status</b>
Helms, R	Vrije Competitie Geesteswetenschappen	Rise, transformation and fall of the landed elites in the Netherlands, 1750-1940	unknown	Submitted
Heeren, B	...	Promotiebeurs voor leraren (H. Keuning, Windesheim)	unknown	Granted

Eekelen van, M	Politieacademie, Nederlandse Vereniging van Banken	Kennisprogramma Veiligheid Digitaal Bankieren (KVDB)	€ 15.000	Ongoing
Eekelen van, M	STW ProDeBO	2 promovendi en 1 programmeur	unknown	Submitted
Eekelen van, M	EU	Secure European Virtualisation for trustworthy applications in critical domains (EUROMILLS)	€ 260.500	Ongoing
Ivens, W Eekelen van, M	ERA-NET, call Smart Grids Plus	Geothermal fed low-ex hybrid smart grids for carbon-zero areas	€ 382.500	Not Granted
Löhr, A	Provincie Limburg	NME Natuur en Milieu Educatie Limburg, scholen en gemeenten	€ 9.792	Granted
Löhr, A	United Nations Environment Programma (UNEP)	Global Partnership on Marine Litter; Out of sight, out of mind? Changing the state of marine litter globally." Development of a Massive Open Online Course (MOOC)	€ 107.000	Granted
Curfs, E		Onderzoek Hartslog Limburg	€ 15.000	Granted
Langen de, F	DG Joint Research Centre Research Programme Open Education	Business models for open education in higher education	€ 15.000	Granted
Caniels, M	E-COST, open call	Innovation and Competence Building for Inclusive and Sustainable Development in Learning Economy (INCLuDE)	unknown	Not granted
Caniels, M	BRAIN-be, call 2015	Belspo – Federal Initiative for Open Innovation Research	€1.170.000 total	Submitted
Semeijn, J	VSNU, Taskforce Employability	SoFoKleS (2014-2016) implementatietraject voor de aanbevelingen van de Taskforce Employability	€ 98.000	Granted
Vuuren van, T	Provincie Limburg	Optimalisatie Vitaliteit	€ 55.000	Granted
Heeren, B	SURF Stimuleringsregeling Open en Online Onderwijs	Data Science voor alfa en gamma	€ 104.00	Granted