

## **ECS Research output 2014**

Alake-Tuenter, E. (2014). Inquiry-based science teaching competence of pre-service primary teachers PhD dissertation Wageningen UR

Baartman, L. & Gulikers, J. (2014). Beoordelen als fundament voor goed opleiden in het beroepsonderwijs: Analyse van toetsprogramma's in het mbo en hbo. *Pedagogische Studiën*, 91, 54-68. (4 credits)

Barker, D., N. Barker-Ruchti, A.E.J. Wals, R. Tinning (2014). High performance sport and sustainability: a contradiction of terms?, *Reflective Practice*, 15, (1), pp. 1-11 (2 credits).

Bednall, T., Sanders, K., & Runhaar, P. (2014). Stimulating teachers' informal learning activities through performance appraisal and HRM system strength: A two-wave, multilevel study. *Academy of Management Learning & Education*, 13(1), 45-61. doi: 10.5465/amle.2012.0162 (6 credits, Q1)

Beers, P.J., F. Hermans, T. Veldkamp and J. Hinssen (2014). Social learning inside and outside transition projects: Playing free jazz for a heavy metal audience, *NJAS*, 69, June, pp. 5-13. (4 credits).

Biemans, H., Harbers, J. & Van Dam, R. (2014, November). Groen Lyceum 2.0. Workshop op de conferentie Samen werken aan sterk groen onderwijs, 12 november 2014. Wageningen: Stoas Hogeschool.

Biemans, H., Mariën, H. & Nieuwenhuis, L. (2014, September). Students' Learning Strategies, Conceptions, and Orientations in Continuing Learning Pathways in Vocational Education. Paper presented at the ECER 2014, Porto, Portugal.

Biemans, H., Mariën, H., Nieuwenhuis, L. & Fleur, E. (2014, November). De Groene Lycea Onderzocht. Workshop op het ECS-symposium 'Onderwijstheorie, -praktijk en -prestatie in agrifood en groene ruimte', 14 november 2014. Wageningen: Wageningse Berg.

Blok, V., Lubberink, R., Lans, T. & Omta, O. (2014). Managing the Improvement of Entrepreneurship Education Programs A comparison of universities in the life sciences in Europe, USA and Canada. In: A. Fayolle and D. Redford. *Handbook on the Entrepreneurial University*. Cheltenham: Edward Elger. pp. 64-90.

Blok, V., Wesselink, R., Studynka, O., & Kemp, R. Encouraging sustainability in the workplace: a survey on the pro-environmental behaviour of university employees. *Journal of Cleaner Production*. Zie: <http://www.sciencedirect.com/science/article/pii/S0959652614007914>

Bremmers, H.J., P.T.M. Ingenbleek, A.E.J. Wals and E.F.M. Wubben (2013) Governance of differential stakeholder interests in supply chains and networks. *Journal on Chain and Network Science* 13 (2) 99-105 (Scopus) 2 credits

Cremers, P.H.M., A.E.J. Wals, R. Wesselink, N. Nieveen and M. Mulder (2014). Self-directed lifelong learning in hybrid learning configurations. *International Journal of Lifelong Education*, Volume 33, Issue 2, March 2014, pages 207-232. (2 credits).

Delaney, Aogán; Tamas, Peter; Tobi, Hilde (2014) How to choose methods for evaluation research: a test of the relevance of systematic review EADI

Conference "Responsible Development in a polycentric World" June 2014  
<http://www.gc2014.org>

Delaney, Aogán, Sabrina Chesterman, Todd A. Crane, Peter A. Tamás, Polly Ericksen. 2014. A systematic review of local vulnerability to climate change: In search of transparency, coherence and compatibility. CCAFS Working Paper no. 97. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: [www.ccafs.cgiar.org](http://www.ccafs.cgiar.org)

Dik, G. et al. (2014) "Teaching RM for interdisciplinary students" . European Association of Methodology (EAM), Utrecht, NL.

Ghosh, R. and M. Mulder (2014). Intersections between HRD & Workplace Learning. A European Perspective. Presentation at the joint AHRD/AERA Workplace Learning Panel Discussion, Academy of HRD, Houston, USA, February 21.

Gulikers, J., & van Benthum, N. (2014). Toetsen van competenties. In H. van Berkel, A. Bax & D. Joosten-ten Brinke (Eds.), Toetsen in het hoger onderwijs (pp. 217-228): Bohn Stafleu van Loghum.

Hulsink, W., Dons, H., Lans, T. & Blok, V. (2014). Boosting entrepreneurship education within the knowledge network of the Dutch Agri-Food Sciences: the new 'Wageningen' approach. In: A. Fayolle and D. Redford. Handbook on the Entrepreneurial University. Cheltenham: Edward Elger. pp. 248-278

Kampen JK (2014) Measurement in interdisciplinary research: the case of measurement error: presentation 24/07 during VI European Congress of Methodology, 22-25 July 2014 Utrecht

Kampen, JK. (2014) "Research methodology for interdisciplinary research: the case of measurement error". European Association of Methodology (EAM), Utrecht, NL.

Kampen JK (2014) Teaching research methodology for multidisciplinary student populations: lessons to be learned for the developing of multidisciplinary research methodology: presentation 24/07 during VI European Congress of Methodology, 22-25 July 2014 Utrecht

Kampen, J. K. & P. Tamás. Should I take this seriously? A simple checklist for calling bullshit on policy supporting research. *Quality & Quantity* 48(3): 1213-1223. DOI 10.1007/s11135-013-9830-8. (4 credits, . Q2 Social sciences interdisciplinary)

Karimi, s. (2014). Analysing and promoting entrepreneurship in Iranian higher education: entrepreneurial attitudes, intentions and opportunity identification. PhD dissertation Wageningen UR

Karimi, S., Biemans, H.J.A., Lans, Th., Chizari, M. & Mulder, M. (2014). Effects of Role Models and Gender on Students' Entrepreneurial Intentions. *European Journal of Training and Development*, 38(8), 694-727. (Scopus - 2 credits)

Karimi, S., Biemans, H.J.A., Lans, Th., Chizari, M. & Mulder, M. (2014). The Impact of Entrepreneurship Education: A Study of Iranian Students' Entrepreneurial Intentions and Opportunity Identification. *Journal of Small Business Management*. (DOI: 10.1111/jsbm.12137; ISI Q2 - Management - 4 credits)

Kasule, G.W., R. Wesselink, M. Mulder ( ) Developing Innovation Competence Profile For Teaching Staff In Higher Education In Uganda. *Journal of Education*, Vol. 2, Issue 2, p.p. 1-26. <http://www.researchjournali.com/pdf/394.pdf>

Khaled, A. (2014). Innovations in hands-on simulations for competence development : authenticity and ownership of learning and their effects on student learning in secondary and higher vocational education. PhD dissertation Wageningen UR

Khaled, A., Gulikers, J., Biemans, H. & Mulder, M. (2014). How authenticity and self-directedness and student perceptions thereof predict competence development in hands-on simulations. *British Educational Research Journal* (DOI: 10.1002/berj.3138; ISI - Q1 - 6 credits).

Khaled, A., Gulikers, J., Biemans, H. & Mulder, M. (2014). Characteristics of hands-on simulations with added value for innovative secondary and higher vocational education. *Journal of Vocational Education and Training*, 66(4), 462-490. (Scopus - 2 credits)

Khaled, A., Gulikers, J., Tobi, H., Biemans, H., Oonk, C. & Mulder, M. (2014). Exploring the Validity and Robustness of a Competency Self-Report Instrument for Vocational and Higher Competence-Based Education. *Journal of Psychoeducational Assessment*, 32(5), 429-440. (ISI - Q3 Educational Psychology - 4 credits).

Lans, T., Blok, V. and Wesselink, R. (2014). Learning Apart Together? Towards a Validated, Integrated Competence Framework of Sustainable Entrepreneurship. *Journal of Cleaner Production*, 62, 1, pp. 37-47. (ISI IF 2.7) (IF 2013: 3.59; Q1 in environmental Sciences; 6 credits)

Lans, T., Van Galen, M.A., Verstegen, J.A.A.M., Biemans, H.J.A. & Mulder, M. (2014). Searching for entrepreneurs among small business owner-managers in agriculture. *NJAS - Wageningen Journal of Life Sciences*, 68, 41-51 (ISI - Q1 Agriculture Multidisciplinary- 6 credits)

Linehan, C., Naaldenberg, N., van Schrojenstein Lantman de Valk, H. & Tobi, H. (2014) Editorial: Health Inequity: from Evidence to Action. *Jarid*, volume 28, issue 1, pages 1-2. DOI: 10.1111/jar.12136

Medema, W., A.E.J. Wals, and J. Adamowski (2014). Multi-Loop Social Learning for Sustainable Land and Water Governance: Towards a Research Agenda on the Potential of Virtual Learning Platforms. *NJAS*. 69, June, pp. 23-38 (4 credits).

Meijering J. (2014) Using the Delphi method in an interdisciplinary setting: opportunities and implications: presentation 24/07 during VI European Congress of Methodology, 22-25 July 2014 Utrecht

Meijering, J. et al. (2014) "Lessons to be learnt from a Delphi study in an interdisciplinary field" European Association of Methodology (EAM), Utrecht, NL.

Meijering JV, Kern K, Tobi H. Identifying the methodological characteristics of European green city rankings. *Ecological Indicators* 2014: 43 132- 142. DOI:10.1016/j.ecolind.2014.02.026 (ISI- Q1 Environmental sciences- 6 credits)

Meijering, J.V., Kern, K., & Tobi, H. (2014). Identifying the methodological characteristics of European green city rankings. Presentation (invited) for the Joint Research Centre of the European Commission, Turin, Italy, November 25.

Misbah, Z., Gulikers, J., & Mulder, M (2014). Exploring the Links between Students' Competence Development, Teacher-Student Interaction, and Learning Motivation. Poster presented at AERA, Philadelphia, April 4.

Misbah, Z., Gulikers, J., Maulana, R. & Mulder, M. (Resubmitted). Teacher interpersonal behaviour and student motivation in competence-based vocational education in Indonesia. ( I submitted this in Teaching and Teacher Education).

Misbah, Z., Gulikers, J., Mulder, M. & Dharma, S. (2014). Evaluating Competentiveness of Indonesia Agricultural Vocational Schools. International Congress of School Effectiveness and Improvement, Yogyakarta, January 5. (I presented this without full paper/ abstract only)

Mulder, M. (2014). Editorial. The Journal of Agricultural Education and Extension, 20, 1, pp. 1-4. (2 credits)

Mulder, M. (2014). Editorial. The Journal of Agricultural Education and Extension, 20, 4, pp. 357-359. (2 credits)

Mulder, M. (2014). Editorial. The Journal of Agricultural Education and Extension, 20, 5, pp. 455-459. (2 credits)

Mulder, M. (2014). Competence and Education. Lecture at Kyambogo University, January 27, 2014 Kampala, Uganda

Mulder, M. (2014). Conceptions of Professional Competence. In: S. Billett, C. Harteis, H. Gruber (Eds). International Handbook of Research in Professional and Practice-based Learning. Dordrecht: Springer. pp. 107-137. (2 credits)

Mulder, M. (2014). Session chair Barriers and Facilitators of Integrating Research in Higher Education. AERA, Philadelphia, April 4.

Mulder, M. (2014). Professional Competence. Presentation for staff of Department of Agricultural Education and Extension at Virginia Tech. Blacksburg, USA, April 14.

Mulder, M. (2014). Professional Competence. Presentation for staff of Department of Agricultural Education and Extension at the University of Florida, Gainesville, USA, April 23.

Mulder, M. (2014). International VET Research Review. Presentation at WERA IRN-VET Forum: Internationalisation of VET Research. Porto, Portugal, September 5.

Mulder, M. (2014). Het emergente portfolio van ECS: verbinden van theorie en praktijk voor prestatieverbetering. Inleiding tijdens het Symposium 'Onderwijstheorie, -praktijk en -prestatie in agrifood en groene ruimte', Wageningen, 14 november.

Mulder, M. (2014). Competence-based vocational and professional education. Presentation for Céreq staff , Marseille, France, 8 December.

Mulder, M. (2014). Panel discussion at the AERA SIG WPL & off-site visit at Aker & Rhoads Shipbuilding Co, April 2.

Mulder, M. (2014). Opening VOR Division Higher Education Symposium Study Success. Leiden University, November 6.

Mulder, M. and H. Eppink (2014). Editorial. *The Journal of Agricultural Education and Extension*, 20, 2, pp. 161- 165. (2 credits)

Mulder, M. and E. Roelofs (2014). *A Critical Review of Vocational Education and Training Research and Future Research Trends*. AERA, Philadelphia, April 4.

Mulder, M. and E. Roelofs (2014). *Reviewing Vocational Education and Training Research on Curriculum, Instruction and Assessment*. Paper presented at the WERA 2014 Focal Meeting, Edinburgh, November 19.

Mulder, M. and E. Roelofs (2014). *Reviewing Vocational Education and Training Research on Curriculum, Instruction and Assessment*. Paper presented at the WERA/SERA conference, Edinburgh, November 19.

Mulder, M. and J. Winterton (2014). *Competence-based vocational and professional education*. Paper presented at the International Conference Skills for the future: Training, employment, occupations employability in turbulent times, TBS, Toulouse, France, 18 September.

Noroozi O. and M. Mulder (2014). *Impacts of a digital dialogue game and epistemic beliefs on argumentative discourse, willingness to argue, and student satisfaction*. Paper presented at Higher Education Teaching and Learning (HETL) conference, Anchorage, USA, June 1.

Oonk, C. & Gulikers, J. (2014, July). *Educating collaborative planners: further evidence for the learning potential of multi-stakeholder regional learning environments for planning education through a replication study*. Paper presented at the Association of European Schools of Planning Congress. University of Utrecht, Utrecht.

Osagie, E. R., Wesselink, R., Blok, V., Lans, T., & Mulder, M. (in press). *Individual competencies for corporate social responsibility: A literature and practice perspective*. *Journal of Business Ethics*. DOI: 10.1007/s10551-014-2469-0 (ISI-Q1 – 6 credits).

Popov, V., Biemans, H.J.A., Kuznetsov, A.N. & Mulder, M. (2014). *Use of an Interculturally Enriched Collaboration Script in Computer-Supported Collaborative Learning in Higher Education*. *Technology, Pedagogy and Education*, 23(3), 349-374. (ISI – Q4 – 4 credits)

Popov, V., Noroozi, O., Barrett, J.B., Biemans, H.J.A., Teasley, S.D., Slof, B. & Mulder, M. (2014). *Perceptions and experiences of, and outcomes for, university students in culturally diversified dyads in a computer-supported collaborative learning environment*. *Computers in Human Behavior*, 32, 186-200 (ISI – Q1– 6 credits).

Rodela, R. (2014). *Social Learning, Natural Resource Management, and Participatory Activities: A reflection on construct development and testing*. *NJAS*. 69, June, pp. 15-22 (4 credits).

Runhaar, P., Brinke, D. ten, Kuijpers, M., Wesselink, R., & Mulder, M. (2014) *Exploring the links Between interdependence, team learning and a shared understanding among team members: The case of teachers facing an educational innovation*. *Human Resources Development International*, 17 (1), 67-87 (2 credits).

Seuneke, P. (2014). From production-oriented farming towards multifunctional entrepreneurship : exploring the underlying learning process. Wageningen : Wageningen University. Pp 207.

Spelt E. P.A. Luning, M.A.J.S. van Boekel & M. Mulder (2014). Constructively aligned teaching and learning in higher education in engineering: what do students perceive as contributing to the learning of interdisciplinary thinking?, European Journal of Engineering Education, DOI: 10.1080/03043797.2014.987647

Tamas, PA. Kampen, JK. (2014) When Are Interviews Good Enough? a Reflection on Threats to Retrospective Methods Posed By Automaticity and Performativity. Methodological Challenges in the Study of the Military. XVIII ISA World Congress of Sociology (July 13-19, 2014)

Tassone, V. and Wals, A.E.J. (2014). EYE for sustainability: a learning tool for change agents. Wageningen: Wageningen Academic Publishers, p. 127-138. Intergenerational learning and transformative leadership for sustainable futures

Terpstra, T., Zaalberg, R., & de Boer, J. (2014). You have been framed! How antecedents of information need mediate the effects of risk communication messages. Risk Analysis, 34, 1506-1520

Tobi H. Measurement in interdisciplinary research: The contributions of widely-defined measurement and portfolio representations. Measurement 2014, 48:228-231. DOI 10.1016/j.measurement.2013.11.013 (ISI Q1 Engineering multidisciplinary- 6 credits)

Tobi H, Kampen J (2014) Chairing/organising of Session 5F: Research Methodology in interdisciplinary Research European Association of Methodology (EAM), Utrecht, NL

Vermeulen, M., Runhaar, P., Konermann, J., & Sanders, K. (2014) Kennis delen onder leraren: Een onderzoek naar de relaties tussen Occupational Self-Efficacy, Werk bevlogenheid, Human Resource Management en Kennis delen, Pedagogische Studiën, 91 (6), 397 – 410 (4 credits).

Wals, A.E.J. (2014) Vakdidactiek Duurzaamheid in de eerste fase VO – nodig of overbodig? ECS Bulletin, 12 (1), 4-5.

Wals, A.E.J (2014) Het onderwijs leidt kinderen niet op tot duurzame burgers' – Interview door Freek Kallenburg in Down to Earth Magazine 23 (5), 8-9.

Wals, A.E.J. (2014) Onderwijs blinde vlek in streven naar duurzame wereld. One World Magazine, Nummer 5, mei/juni, p 12-13. Accessible via: <http://www.oneworld.nl/research/onderwijs-blinde-vlek>

Wals, A.E.J (2014). Verso un'educazione più critica e più densa di significato. L'educazione ambientale: cosa abbiamo imparato, cosa c'è da imparare, 5, September/October, p13-15.

Wals, A.E.J. (2014) Sustainability as a catalyst for improving education, learning and the well-being of People and Planet. Chinese Journal on Education for Sustainable development, 5, 99-101.

Wals, A.E.J. (2014) CSI mét mobieltjes in de klas' Van duurzaam denken naar duurzaam doen. Interview door Erno Mijland. Vector Magazine, nr. 25, 29-31.

Wals, A.E.J. (2014) 'The Role and Future Perspectives of Community Based Learning toward Sustainable Society' Keynote held at the Kominkan Community Learning Centres Conference on Education for Sustainable Development, Okayama, Japan, October 8-12, available at: <http://www.kominkan-clc.jp/en/stream/>

Wals, A.E.J. (2014) Earth is calling! Anyone answering? Keynote held at the European Environmental Education Days in Bergamo, Italy, September 24th-26th, 2014

Wals, A.E.J. (2014) The world beyond 2015: is HE ready? From cosmetic reform towards a whole system transition. Keynote held at the GUNI conference on 'The role of higher education institutions for the Sustainable Development Goals and the Post-2015 Development Agenda', Barcelona, Spain, December 12-14.

Wals, A.E.J. (2014) Education for people and planet – transformative learning and sustainability didactics... Keynote held at the National Teacher Education Seminar on Education for Sustainability held at Gothenburg University, Sweden, October 23-24.

Wals, A.E.J. (2014) Co-creating sustainability in vital learning coalitions at the inter-section of school and community, Keynote held at the closing conference of CoDeS conference, Barcelona, Spain, May 21-23.

Wals, A.E.J. (2014) The Role and Future Perspectives of Community-Based Learning for Sustainability, Presentation held at Taiwan National University, Taipeh, Taiwan, October 13-14.

Wals, A.E.J. (2014) Researching Environmental and Sustainability Education - Assumptions, Vantage points, Choices and Consequences. Presentation held at the ECER conference held in Porto, Portugal, September 2-5.

Wals, A.E.J. (2014) Public engagement in food, nutrition and health, Keynote held at the Inprofood Conference on the voice of citizens in food, nutrition and health research innovation, WHO Regional Office for Europe UN City Copenhagen, Denmark May 26-27.

Wals, A.E.J. (2014) Shaping the Education for Tomorrow: Lessons Learnt from 10 Years of ESD, Keynote held at the annual NERA conference, Lillehammer, Norway, March 5-7.

Wals, A.E.J. (2014) Duurzaamheidsdidactiek, nodig of overbodig? Inleiding gehouden tijdens het symposium ter ere van het 50 jarig bestaan van de leerstoelgroep Educatie- en Competentiestudies gehouden op de Wageningse Berg, Wageningen, 21 november.

Wals, A.E.J. (2014) Learning on the edge: co-creating sustainability in vital coalitions at the intersection of school and community. In: Designing a sustainable future through school community collaboration. Proceedings of the final CoDeS conference, May 21-23, Barcelona, Spain, p. 12.

Wals, AEJ (2014) Sustainability in higher education in the context of the UN DESD: a review of learning and institutionalization processes, *Journal of Cleaner Production* 62, 8-15 (IF 2013: 3.59; Q1 in environmental Sciences; 6 credits)

Wals, A.E.J. (2014) Shaping the Education for Tomorrow: Lessons Learnt from 10 Years of ESD. In: (Steinnes et al., Eds.) *Concerns of Diversity*. Lillehammer: Delta Press, 107-111.

Wals, A.E.J. (2014) Theory Box for the Travelling and Practitioners guide to school and community collaborations for sustainable development. Zurich: ENSI ISBN: 978-3-85031-192-2, p20-22.

Wals, A.E.J. (2014) Epilogue. In: Corcoran, P.B. & Holingshead, B/ (Eds). Intergenerational Learning and Transformative Leadership for Sustainable Futures. Wageningen: Wageningen Academic Publishers, p. 385-392.

Wals, A.E.J., M. Brody, J. Dillon and R.B. Stevenson (2014). Convergence Between Science and Environmental Education, *Science*, Vol. 344, May, pp. 583-584 (20 credits).

Wals, A.E.J. and R. Rodela (2014). Social learning towards sustainability: Problematic, perspectives and promise. *NJAS*. 69, June, pp. 1-3 (4 credits).

Wals AEJ, ME van der Waal (2014) Sustainability-oriented social learning in multi-cultural urban areas: The case of the Rotterdam Environmental Centre Greening in the red zone, 379-396

Wesselink, R. Blok, V., Van Leur, S., Lans, T., & Dentoni, D. (online 2014). Individual competencies for managers engaged in corporate sustainable management practices. *Journal of Cleaner Production*. Zie <http://www.sciencedirect.com/science/article/pii/S0959652614011652>  
En

Woldman, N., Runhaar, P., Wesselink, R., Mulder, M. (2014). Antecedents and Outcomes of Competence Development in Organizations: a Systematic Literature Review, UFHRD Conference - Edinburgh, 4-6 June 2014

Zoethout, H., Wesselink, R., Tamas, P., Runhaar, P.R., & Mulder, M.M. (2014, October). An Observational Approach on Team Learning Processes: Using Different Types to Measure Team Learning Patterns of Teacher Work Teams On-Site. Paper presented at the small group meeting "Dynamics of team cognition and team adaptation" of the European Association for Work and Organisational Psychology, Lisbon, Portugal.