



INTERUNIVERSITY CENTRE
FOR EDUCATIONAL RESEARCH

Annual report 2013

COLOFON

Department of Research and Theory in Education
Faculty of Psychology and Education
VU University Amsterdam
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1. Introduction

This report gives a summary of the activities of ICO, the Interuniversity Centre of Educational Sciences¹, in 2013

The Interuniversity Centre for Educational Sciences (ICO) unites all research in the domain of educational sciences in the Netherlands and a substantial and increasing part of the research in Belgium (Flanders). The object of educational sciences is education, including all processes and systems of learning and instruction, and their outcomes, which are intentionally arranged in a formal or informal setting. Educational sciences seek to describe, explain and improve education. Educational research contributes to the advancement of scientific theories for understanding processes and systems of learning, instruction and assessment. The focus is on advancing theories and improving education, and, in this way, on contributing to the constant renewal and innovation of educational theory and educational practice. Within the ICO's research program, ten major themes can be distinguished.

Theme 1, *learning and instruction*, addresses the cognitive, metacognitive, and motivational aspects of learning and instruction and theme 2, *ICT and education*, focuses on educational processes within the learning environment. Theme 3 focuses on *learning in the workplace* and the development of professional expertise. Theme 4, *teaching and teacher education* addresses how teachers learn and develop their expertise. Theme 5, *domain specific instruction*, also focuses on educational processes but from the perspective of the contents of a specific domain (e.g., history). Theme 6, *educational design and curriculum development* studies education at the curriculum level. Theme 7, *schools and the societal context of education*, enhances our understanding of education from a school, government or society perspective. Theme 8, *assessment, evaluation and examination*, focuses on research related to learning and evaluation outcomes at different levels, such as the learner and the school level. Theme 9, *higher education*, focuses on various aspects, like learning, teaching, and assessment, but within the context of higher education. The final theme, *neuroscience and education*, is a new theme, aimed at research that builds bridges between education and neurosciences. There is overlap between the different themes, but each theme addresses specific research questions, makes use of particular theories and methodological approaches. Within each theme researchers from different universities participate. Some universities are more strongly represented in specific themes because they relate better to their specific research areas. As an example, Leiden, Utrecht and Eindhoven focus strongly on the teacher, whereas the University of Amsterdam has a strong history in the themes related to learning processes and the social context of learning, Twente on instructional design and ICT, the Open University on ICT, whereas all universities focus on learning and instruction.

Educational sciences research conducted under the umbrella of ICO is nationally and internationally well known. Several scientists within ICO play a leading role nationally and internationally. The postgraduate training program offered by ICO is known as a well organized and excellent program offering high quality courses for PhD candidates.

ICO is formally recognized as a research school by the Royal Netherlands Academy of Arts and Sciences (KNAW). In 2012 ICO was re-accredited for the period 2012-2018.

¹ In Dutch: Interuniversitair Centrum voor Onderwijswetenschappen

2013 was not only the 25th anniversary of ICO, it was also a year of changes. The new route was set in by the memorandum on ICO's Educational Programme (*Het ICO-opleidingsprogramma: Nu en in de toekomst*). Starting with the academic year 2013-2014 the Educational Programme was reformed, to be closer aligned with the needs of the PhD members. The magnitude of the ICO courses are now expressed in ECTS points, rather than in hours, and the volume of the separate courses has been slightly reduced in hours. This makes it possible for the part time PhD members to take part in the offered courses. Also, new ICO theme groups have been formed to be better affiliated with the divisions of the VOR, the Dutch Association for Educational Research, and have a better match with the current scope of the educational research in the Netherlands and Flanders (also see page 8). And, with these new theme groups, new courses have been and will be developed.

In short, ICO continued to offer advanced workshops, provide networking opportunities, and safeguard the quality of supervision.

Prof.dr. Jos Beishuizen
Scientific Director



Prof.dr. Diana Dolmans
Educational Director



Drs. Caroline Vonk
Executive Secretary



2. Organization

In 2013 research units of thirteen universities contributed to ICO. In 2013 the participating research units of these universities were²:

University	Department
Eindhoven University of Technology	• Eindhoven School of Education (ESoE)
Erasmus University Rotterdam	• Faculteit Sociale Wetenschappen: Instituut voor Psychologie
Ghent University	• Faculteit Psychologie en Pedagogische Wetenschappen
Leiden University	• Leiden University Graduate School of Teaching (ICLON)
Maastricht University	• Faculty of Health, Medicine and Life sciences • School of Business and Economics • Faculty of Psychology and Neuroscience
Open University of the Netherlands	• Centre for Learning Sciences and Technologies (CELSTEC) • Ruud de Moor Center (RdMC) • School of Psychology • Netherlands Laboratory for Lifelong Learning (NELLL)
University of Amsterdam	• Faculty of Social and Behavioural Sciences (FMG) / SCO-Kohnstamm Institute • Graduate School of Teaching and Learning (ILO)
University of Antwerp	• Instituut voor Onderwijs- en Informatiewetenschappen
University of Groningen	• Faculty of Behavioural and Social Sciences • Groningen Institute for Educational Research (GION)
University of Twente	• Faculty of Behavioural Sciences (GW)
Utrecht University	• Centrum voor Onderwijs en Leren Universiteit Utrecht (COLUU)
VU University Amsterdam	• Faculty of Psychology and Education, Department of Research and Theory in Education
Wageningen University	• Education and Competence Studies

The ICO Office

The ICO office includes the scientific and educational management of ICO. The Scientific Director and Educational Director are primary responsible for the daily management of ICO. They are assisted by the Executive Secretary at the ICO office.

ICO Scientific and Educational Management

As from January 2012, Prof. Dr. Jos Beishuizen and Prof. Dr. Diana Dolmans constitute the new directorate of ICO. Professor Beishuizen, formerly ICO's Educational Director, as Scientific Director, and Professor Dolmans in the role of Educational Director. The ICO Directorate is supported by executive secretary Drs. Caroline Vonk.

² As stated in the 'Communal Regulation' of ICO (Gemeenschappelijke Regeling).

Scientific management

Director	Prof. Dr. J.J. Beishuizen VU University Amsterdam De Boelelaan 1105 1081 HV Amsterdam
Executive secretary	Drs. C. Vonk VU University Amsterdam De Boelelaan 1105 1081 HV Amsterdam e-mail: c.vonk@vu.nl

Educational management

Director	Prof.dr. D.H.J.M. Dolmans Maastricht University Universiteitssingel 60 6229 ER Maastricht
Executive Secretary	Drs. C. Vonk VU University Amsterdam De Boelelaan 1105 1081 HV Amsterdam e-mail: c.vonk@vu.nl

ICO Governing Board

For the daily management, the directors of ICO are supported by a governing board that consists of one representative from each participating university. Generally, the governing board meets once every two months. In the governing board, the long term plans, the educational program, the annual report, and the financial planning are prepared. In 2013 there were four meetings of the governing board.

Governing Board	31-12-2013
Prof. Dr. J.H. van Driel (Jan) (Chair)	Leiden University
Prof. Dr. P.J. den Brok (Perry)	Eindhoven University of Technology
Dr. S.M.M. Loyens (Sofie)	Erasmus University Rotterdam
Dr. H. van Keer (Hilde)	Ghent University
Dr. A.B.H. de Bruin (Anique)	Maastricht University
Prof. Dr. L. Kester (Liesbeth)	Open University of the Netherlands
Dr. T.T.D. Peetsma (Thea)	University of Amsterdam
Prof. Dr. P. van Petegem (Peter)	University of Antwerp
Prof. dr. R.J. Bosker (Roel)	University of Groningen
Prof. dr. P.J.C. Slegers (Peter)	University of Twente
Prof. Dr. J.M.G. Brekelmans (Mieke)	Utrecht University
Vacancy	VU University Amsterdam
Dr. H.J.A. Biemans (Harm)	Wageningen University
Drs. L.C.A. Claessens (Luce)	Chair ICO Educational Committee/ Utrecht University

ICO Scientific and Examinations committee

The Scientific and Examinations committee is responsible for the evaluation of PhD research proposals, the monitoring of the progress of the projects, the admittance of ICO members, the evaluation of exemption requests, and the Shorter Educational Activity (SEA)- applications. The Scientific and Examinations committee-meetings took place in the same week as the governing board meetings.

Scientific and Examinations committee

Prof. Dr. J.J. Beishuizen	VU University Amsterdam
Prof. Dr. D.H.J.M. Dolmans	Maastricht University
Dr. H. van Keer	Ghent University

Project proposals, exemption requests and SEA's

In 2013, 23 project proposals were discussed by the committee. Some of the discussed projects had already started in earlier years, but had not yet been admitted by the Scientific committee. Three of the submitted proposals have to be revised, and will come back in the admission meeting in 2014. In total Five proposals were adjusted after the first assessment by the committee before approval in 2013.

Besides the project proposals, the committee granted 8 exemption requests, and two SEA-requests.

ICO Monitor

In order to get insight into the progress of the individual PhD students, every year all ICO PhD students have to fill out a short questionnaire - the ICO PhD Monitor. The results serve to signal ways in which ICO can help to prevent delay in thesis research projects. The completed questionnaires are being discussed in ICO's scientific committee. After the ICO Monitor 2012, the committee has been in contact with three PhD Students to guide them through the difficulties they have experienced in their progress.

ICO Educational committee

The PhD students of ICO are represented in an educational committee. Each university in ICO is represented by two PhD students. This committee discusses matters related to the training and education that is offered by ICO. In 2013 there were 4 meetings of the Educational Committee.

Educational committee

31-12-2013

Member 1	Member 2	
vacancy	Lieneke Ritzema	University of Groningen
Saskia Rietdijk	Gerhard Stoel	University of Amsterdam
Pauline Reijnders	Elma Dijkstra	Open University of the Netherlands
Mireille Hubers	Alieke van Dijk	University of Twente
Anne Khaled	Stan van Ginkel	Wageningen University
Ellen Kok	vacancy	Maastricht University
Monika Louws	Bart Huisman	Leiden University
Lisanne Bos	Silvester Draaijer	VU University Amsterdam
Luce Claessens	Bas Agricola	Utrecht University
Niek van den Bogert	vacancy	Eindhoven University of Technology
Kim Ouwehand	vacancy	Erasmus University Rotterdam
Jan Ardies	vacancy	University of Antwerp
vacancy	vacancy	Ghent University

ICO Counsellor

ICO PhD students who encounter difficulties during their research project or with an ICO course can call the ICO Counsellor for advice. Also ICO post doc members and ICO staff members can contact the ICO counsellor for advice on ICO related matters. In 2013, none of the ICO members felt the need contact the Counsellor.

Counsellor

Until November 7, 2013:

Prof. Dr. Nico Verloop,

Leiden University

email: verloop@iclon.leidenuniv.nl

From November 7, 2013:

Prof. Dr. Jules Pieters

Twente University

email: J.M.Pieters@utwente.nl

ICO Scientific Advisory Board

The ICO Scientific Advisory board advises the ICO Governing Board and the ICO Directors on ICOs long term plans, which include research goals, quality management for research, and quality management for PhD students' educational program. In 2013 the Advisory Board met twice.

Scientific Advisory Board of ICO

Prof. Dr. J.J.H. van den Akker (Jan) - Chair

Prof. Dr. B.H.A.M. van Hout-Wolters (Bernadette)

Prof. Dr. J. Lowyck (Joost)

Prof. Dr. M.J.M. Vermeulen (Marc)

Dr. K. Kwakman (Kitty)

Thematic groups

At the start of the academic year 2013-2014, ICO has expanded its number of theme groups, by splitting up the largest theme, and adding new themes. In this manner, ICO's themes are now better affiliated with the divisions of the VOR, the Dutch Association for Educational Research, and have a better match with the current scope of the educational research in the Netherlands and Flanders. Each theme group is chaired by one or two staff members, and a PhD member: the theme group coordinators. They are responsible for the organisation of the courses and for the workshops and theme group-related events during the Fall Schools.

The Theme group coordinators meet once a year, to exchange experiences, and share information.

Thematic groups (start of 2013)

Coordinators

1	Innovative Learning Arrangements	Dr. Liesbeth Kester (OU) Dr. Ard Lazonder (UT) Drs. Chris Phielix (PhD, UU)
2	Teaching and Teacher Education	Prof. Dr. Jan van Tartwijk (UU) Prof. Dr. Wilfried Admiraal (UL) Drs. Thea van Lankveld (PhD, VU)

3	Domain Specific Instruction	Dr. Halszka Jarodzka (OU) Prof. Dr. Carla van Boxtel (UvA) Drs. Monique Bijker (PhD, OU))
4	Educational Design and Curriculum development	Dr. Saskia Brand-Gruwel (OU) Dr. Susan McKenney (UT)
5	Schools and the Societal Context of Education	Dr. Adrie Visscher (UT) Prof. Dr. Sjoerd Karsten (UvA) Anneke Timmermans, MSc (PhD, RUG)
6	Assessment, Evaluation and Examination	Dr. Judith Gulikers (WU)

Thematic groups (as of summer 2013)

Coordinators

T1	Learning and Instruction	Liesbeth Kester (OU) Ard Lazonder (UT) Pauline Reijners (OU)
T2	ICT and Education	Jeroen Janssen (UU) Bram de Wever (Ghent) Anouschka van Leeuwen (PhD, UU)
T3	Workplace Learning	Renate Wesselink (WUR) Simon Beusaert (UM) Elly de Bruijn (UU) Sara van Waes (PhD, UA)
T4	Teaching and Teacher Education	Jan van Tartwijk (UU) Wilfried Admiraal (LU) Thea van Lankveld (PhD, VU)
T5	Domain Specific Instruction	Halszka Jarodzka (OU) Carla van Boxtel (UvA) Charlotte Wolff PhD, OU) Gerhard Stoel (PhD, UvA)
T6	Educational Design and Curriculum development	Saskia Brand-Gruwel (OU) Susan McKenney (UT) Elma Dijkstra (OU)
T7	Schools and the societal context of education	Adrie Visscher (UT) Anneke Timmermans (RUG) Jérôme Gijsselaers (PhD, OU)
T8	Assessment, evaluation and examination	Judith Gulikers (WU) Liesbeth Baartman (UU) Renske Bouwer (PhD, UU)
T9	Higher Education	Roeland van der Rijst (LU) Ann Stes (UAntwerpen)
T10	Neuroscience and Education	Lydia Krabbendam (VU) Paul Kirschner (OU) Lisanne Bos (PhD, VU)

ICO Members

On December 31, 2013, ICO counted 210 staff members, 34 post doc members, and 127 PhD students (see Appendix 1).

3. Educational program

Structure and organization

A distinction is made between two classes of research competences: thematically or domain-oriented, and methodological. The master classes are complemented by an introduction course, and the biennial ICO National and International Fall Schools.

The ICO Educational program includes both compulsory and elective activities. Compulsory activities are the Introduction course (5 ECTS); two thematic master classes (3 ECTS each); one methodological master class (3 ECTS), and one International School (3 ECTS). The thematic master classes are initiated by the thematic groups in a two or three-year scheme, taking into account the need of students.

ICO Courses 2013

Theme* (course n°)	Thematic Courses & Organizers	Dates
T1 (12-01)	Computer supported Collaborative Learning <i>Dr. Hannie Gijlers a.o.</i>	November 22, 23, 2012 January 17, 18, 2013
T6 (13-04)	Curriculum design and sustainable implementation <i>Dr. J. Voogt, Dr. A. Handelzalts, Prof.dr. J. Pieters</i>	April 4,5, 11,12, 18, 2013
T8 (13-06)	Multiple Perspectives on Assessment <i>Prof.dr. Cees van der Vleuten, dr. Dominique Sluijsmans a.o.</i>	February 27, 28, 2013 March 1 & 15, 2013
T3 (13-T3)	Workplace Learning: Learning in and for vocations and professions <i>Dr. Renate Wesselink, Dr. Simon Beusaert, Prof. Dr. Elly de Bruijn</i>	September 26, October 9, 10, 30 November 21, 2013
T5 (13-T5)	Domain-specific instruction in schools and professional domains <i>Dr. Halszka Jarodzka, Prof.dr. Carla van Boxtel, Charlotte Wolff, Gerhard Stoel</i>	September 24-25, October 22-23, 2013

*New theme groups were formed summer 2013. Because of this the numbers of the theme groups have changed. See page 8.

Course n°	General Courses & Organizers	Dates
13-072 (ICS)	Introductory Course Spring 2013 <i>Prof.dr. Diana Dolmans, prof.dr. Perry den Brok</i>	March 15, 2013 April 22,23, 2013 May 13, 14 2013
13-09 (M-QL)	Methodology: Master Class Qualitative Research <i>Dr. Sanne Akkerman, prof.dr. Paulien Meijer</i>	February 6, 7,8, 2013 March 7,8, 2013
13-ICF	Introductory Course Fall 2013 <i>Prof.dr. Jos Beishuizen, prof.dr. Sjoerd Karsten</i>	September 20, 2013 November 15, 2013 December 9,10, 2013
13-NFS	ICO National Fall School 2013, Maastricht University	November 7-8, 2013

Quality assurance

ICO is responsible for the quality assurance and the on-going evaluation and monitoring of the educational program. All master classes in 2013 were evaluated by the PhD candidates, who filled out a questionnaire (5 point Likert Scale) at the end of the master classes . Based on the collected data for each master class an evaluation report was prepared. The teachers of a course are required to respond to the evaluation report, and give their opinion on the course about issues that need improvement. The report and teachers comments were discussed during the ICO Education Committee meetings and were presented to the ICO Management. The reports and all comments on the reports are send to the coordinators to improve future courses.

Course evaluations 2013

year	educational period	theme	course number	01 - the content of this course corresponds with the information on the ICO Website	02 - The time for preparation was sufficient.	03 - The literature was up-to-date	04 - I find the content of the course relevant	05 - working on the assignments contributed to a better understanding of the topics covered	06 - the teachers stimulated active participation of the participants	07 - the teachers were experts on the topics discussed	08 - I received useful feedback on the assignments	09 - There was a balance between panel, individual and group forms of work	10 - The course was well time scheduled.	11 - This course will have an effect on my research or on my professional development	12 - Overall, this course was well organized	13 - Overall, I learnt a lot from this course	AVERAGE Score	14 - The workload of this course was (1= too low, 2 = adequate, 3= too high)	15 - the number of participants in this course was (1= too low, 2 = adequate, 3= too high)	AVERAGE Score
2013	2012-2013	T2	12-01	4,17	4,17	4,50	4,50	4,00	4,50	4,67	4,25	4,00	3,50	4,33	3,67	4,17	4,19	2,17	1,83	2,00
2013	2012-2013	T6	13-04	4,11	3,67	4,22	4,33	4,44	4,67	4,78	4,00	3,67	3,56	3,67	4,33	4,44	4,15	2,22	2,00	2,11
2013	2012-2013	T8	13-06	4,50	4,17	4,33	4,83	4,17	4,50	4,67	3,67	3,67	4,00	4,33	4,50	4,83	4,32	2,00	2,00	2,00
2013	2013-2014	T3	13-T3	4,13	3,13	4,38	4,44	4,38	3,88	4,25	4,13	3,67	3	4,19	3,69	4,19	3,96	2,27	2,06	2,17
2013	2013-2014	T5	13-T5	4,13	3,75	4,13	3,75	4	4	4,5	4,25	2,88	3,88	3,75	4,25	3,88	3,93	2	2	2,00
2013	2013-2014	ICS	13-072	4,39	4,11	4,18	4,17	4,17	4,78	4,5	3,78	4,44	4,11	4,17	4,56	4,06	4,26	2,17	2	2,09
2013	2013-2014	ICF	13-ICF	4,13	3,8	3,53	3,6	3,67	3,33	3,93	3,47	3,21	3,6	3,13	3,67	3,33	3,57	2	2	2,00
2013	2012-2013	MQL	13-09	4,16	4	4,37	4,16	4,16	4,58	4,68	4,21	4,26	4	4,21	4,21	4,16	4,24	2,11	2,42	2,27
average score				4,21	3,85	4,21	4,22	4,12	4,28	4,50	3,97	3,72	3,71	3,97	4,11	4,13		2,12	2,04	

4. Highlights and PhD Graduations

At ICO's national Fall School 2013, Mariska Okkinga, of the University of Twente won ICO's Best Paper Award 2013 with her paper *Effects of reciprocal teaching on reading comprehension in low achieving adolescents. The importance of specific teacher skills.*

On January 11, 2013, Omid Noroozi of the Education and Competence Studies Group at Wageningen University graduated with distinction, cum laude, after having successfully defended his thesis entitled '*Fostering Argumentation-Based Computer-Supported Collaborative Learning in Higher Education*'. Omid's research was supervised by Prof. dr. Martin Mulder (promotor) and Dr. Harm Biemans (co-promotor). Omid will continue his career as Assistant Professor in Tenure Track at the Education and Competence Studies (ECS) Group, Wageningen University

At the ORD in Brussels, the VPO Supervisors of the Year-Award was handed to the team consisting of Mieke Brekelmans (UU), Jan van Tartwijk (UU), Douwe Beijaard (TU/e), Theo Wubbels (UU), Perry den Brok (TU/e), and Nico Verloop (ICLON). The team was selected out of 10 nominated (teams of) supervisors, followed by the, individual, nominees Jeroen Janssen (UU), Monique Volman (UvA), en Anje Ros (Fontys + KPC Groep). While selecting the winner, the jury looked at the 'general supervising tasks' - concerning timely feedback, knowledge of and interest in the subject, stimulating the incentive to write - , and the 'Special supervising tasks' like personal interest, and stimulation of professional development.

And, also at the ORD in Brussels, Janneke van de Pol was given the Dissertation Award 2012 for her dissertation *Scaffolding in teacher-student interaction. Exploring, measuring promoting and evaluating scaffolding*. Janneke's research has been supervised by Prof.dr. Jos Beishuizen (VU) and Monique Volman (UvA)

In 2013 The ICO universities agreed to send in a combined application for the NWO Graduate Programme in 2014. The aim of the NWO Graduate Programme is to stimulate excellent research and teaching environments for talented young researchers. To reach this goal, the scholarships will be awarded in competition among the best MSc students of the Research Master programs related to ICO. This will lead to a stronger collaboration with the Master programmes at the ICO universities.

PhD graduations in 2013

1. Noroozi, O. (11-01-2013) *Fostering Argumentation-Based Computer-Supported Collaborative Learning in Higher Education* Wageningen: Wageningen University
2. Bijker, M.M. (22-03-2013) *understanding the gap between business school and the workplace: Overconfidence, maximizing benefits, and the curriculum*. Heerlen: Open University of the Netherlands
3. Belo, N.A.H. (27-03-2013) *Engaging students in the study of physics* Leiden: Leiden University
4. Jong, R.J. de (11-04-2013) *Student teachers' practical knowledge, discipline strategies, and the teacher-class relationship* Leiden: Leiden University
5. Verberg, C.P.M. (18-04-2013) *The characteristics of a negotiated assessment procedure to promote teacher learning* Leiden: Leiden University

6. Dekker-Groen, A. (19-04-2013) *Teacher competences for supporting students' reflection. Standards, training, and practice* Utrecht: Utrecht University
7. M.H. Knol (19-04-2013). *Improving university lectures with feedback and consultation*. Amsterdam: University of Amsterdam
8. Diggelen, M.R. van (21-05-2013) *Effects of a self-assessment procedure on VET teachers' competencies in coaching students' reflection skills* Eindhoven: Eindhoven University of Technology
9. Azkiyah, S.N. (23-5-2013) *The effects of Two Interventions - on Teaching Quality and Student Outcome* Groningen: University of Groningen
10. Taminiau, E.M.C. (24-05-2013) *Advisory Models for On-Demand Learning* Heerlen: Open University of the Netherlands
11. Milliano, I.I.C.M. de (24-05-2013) *Literacy development of low-achieving adolescents. The role of engagement in academic reading and writing* Amsterdam: University of Amsterdam
12. Vandyck, I.J.J. (17-06-2013), *Fostering Community Development in School-University Partnerships*. Amsterdam: VU University Amsterdam
13. Hornstra, T.E. (17-06-2013) *Motivational developments in primary school. Group-specific differences in varying learning contexts* Amsterdam: University of Amsterdam
14. Keuvelaar-Van den Bergh, L. (26-06-2013) *Teacher Feedback during Active Learning: The Development and Evaluation of a Professional Development Programme*. Eindhoven: Eindhoven University of Technology.
15. Meeuwen, L.W. van (06-09-13) *Visual Problem Solving and Self-regulation in Training Air Traffic Control* Heerlen: Open University of the Netherlands
16. Pillen, M.T. (12-09-2013) *Professional identity tensions of beginning teachers* Eindhoven: Eindhoven University of Technology
17. Kleijn, R.A.M. de, (27-09-2013) *Master's thesis supervision. Feedback, interpersonal relationships and adaptivity* Utrecht: Utrecht University
18. Bezdán, E. (04-10-2013) *Graphical Overviews in Hypertext Learning Environments: When One Size Does Not Fit All* Heerlen: Open University of the Netherlands
19. Bronkhorst, L.H. (4-10-2013) *Research-based teacher education: Interactions between research and teaching* Utrecht: Utrecht University
20. Popov, V. (8-10-2013) *Scripting Intercultural Computer-Supported Collaborative Learning in Higher Education* Wageningen: Wageningen University
21. Dolfing, R. (23-10-2013) *Teachers' Professional Development in Context-based Chemistry Education. Strategies to Support Teachers in Developing Domain-specific Expertise*. Utrecht: Utrecht University

22. Lucero, M.L. (21-11-2013) *Considering teacher cognitions in teacher professional development: Studies involving Ecuadorian primary school teachers* Ghent: Ghent University
23. Kamp, R.J.A. (28-11-2013) *Peer feedback to enhance learning in problem-based tutorial groups* Maastricht: Maastricht University
24. Cviko, A. (19-12-2013) *Teacher Roles and Pupil Outcomes. In technology-rich early literacy learning* Enschede: University of Twente

5. ICO Members

ICO Members dated 31-12-2013

	2006		2007		2008		2009		2010		2011		2012		2013	
	n	fte	n	fte	n	fte	n	fte	n	fte	n	fte	n	fte	n	fte
Staff	98	35.8	113	40.7	122	44.3	188	71.5	131	46.9	172	65.5	183	59.2	207	68.3
Post docs	16	10.2	8	5.9	13	7.8	34	16.7	23	11.5	27	13.5	25	12	34	16.8
PhD*	80		83		86		134		95		126		114	98.8	119	102
Irregular PhD*											2		2		8	4
Total	194		204		221		356		249		327		324		368	

*based on the year of admission as ICO member, after approval of the project proposal by ICOs Scientific Committee

Male/female ratio ICO Members dated 31-12-2013

Category	Total	Men	Women
Staff	210	131 (62%)	79 (38%)
Post Docs	34	10 (29%)	24 (71%)
PhD Students	127	45 (35%)	82 (65%)
Total	371	186 (50%)	185 (50%)

PhD Students –Graduation rates ¹⁾

Enrolled as PhD ²⁾				Success rates								Total			Education		
Year	Male	Female	Total	Graduated after (≤) 4 years		Graduated after (≤) 5 years		Graduated after (≤) 6 years		Graduated after (≤) 7 years		Median	Range	Graduated	Not finished yet	discontinued	educational programme completed
2003	4 (23,5%)	13 (76,5%)	17	4	23,53%	7	41,18%	5	29,41%	0	0,00	4,68	3,20-5,93	16	0	1	*
2004	3 (18,75%)	13 (81,25%)	16	4	25,00%	6	37,50%	1	6,25%	0	0,00	4,07	2,58-5,25	11	0	5	*
2005	3 (18,75%)	13 (81,25%)	16	2	12,50%	11	68,75%	0	0,00	3	18,75%	4,61	4,08-7,00	16	0	0	*
2006	10 (47,6%)	11 (52,40%)	21	5	23,81%	8	38,10%	4	19,05%	0	0,00	4,50	2,50-6,00	17	1	3	14
2007	21 (77,8%)	6 (22,2%)	27	12	44,44%	8	29,63%	1	3,70%	0	0,00	4,47	2,67-5,67	21	4	2	22
2008	8 (30,7%)	18 (69,3%)	26	15	57,69%	3	11,54%	0	0,00	0	0,00	3,89	2,5-5,25	18	8	0	19
2009	10 (29,4%)	24 (68,6%)	34	3	8,82%	1	2,94%	0	0,00	0	0,00	4,08	3,4-4,75	4	27	3	19
2010	6 (35,30%)	11 (64,7%)	17		0,00		0,00		0,00		0,00			0	17	0	6
2011	10 (35,70%)	18 (64,30%)	29		0,00		0,00		0,00		0,00			0	27	2	*
2012	8 (33%)	16 (67%)	24		0,00		0,00		0,00		0,00			0	23	1	*
2013	5 (21%)	19 (79%)	24		0,00		0,00		0,00		0,00			0	24		*
Total			251	45		44		11		3		4,33	2,50-7,00	103	132	17	80

1) 'Graduated' is defined here as the moment a PhD student defends his or her thesis; this makes the table highly conservative

2) Based on the date of the start of the PhD trajectory. This may differ from the year of ICO admission

*) Inapplicable or no data available

6. Finances

Financial Track Record

	2007	2008	2009	2010	2011	2012	2013
<i>Secretary Contribution</i> ¹	€ 56.313	€ 55.390	€ 55.390	€ 55.390	€ 55.390		
<i>Contribution Universities</i> ²	€ 31.179	€ 28.137	€ 29.074	€ 67.898	€ 51.654	€ 75.039	€ 79.546
Revenues	€ 19.839	€ 25.500	€ 34.700	€ 10.000	€ 8.000	€ 4.000	€ 12.000
Total Funding	€ 107.331	€ 109.027	€ 119.164	€ 133.288	€ 115.044	€ 79.039	€ 91.546

- 1) Until 2012, the secretary university was accountable for ICO's scientific management, meaning that both the scientific director and the executive secretary were paid by this organization. The University of Twente held the secretariat of ICO in 2006 and 2007. The Open University of the Netherlands held the secretariat in 2008, and did continue to do so until the end of the last accreditation period, December 2011. In the new situation starting 2012, the Secretary Contribution has been abolished.
- 2) The final costs for ICO Education (i.e., total costs for both educational management and training minus the revenues for training activities) are distributed among the participating universities on the basis of subsequent calculation of costs. The contribution is based on the number of PhD students at a given moment in time. Until 2012, the contribution was based on the number of PhD students per university at the moment of the re-accreditation of ICO in 2006. From 2012 onwards a reference date is set. For 2013 this date was set on October 1, 2013.

Contribution participating universities 2013

University	VU	WU	OUNL	RUG	UL	EUR	UM
PhD members	8	9	17	6	3	7	8
Contribution	€ 5.631,62	€ 6.335,57	€ 11.967,19	€ 4.223,71	€ 2.111,86	€ 4.927,66	€ 5.631,62

University	UT	UU	UvA	TUE	UvA-B	UG
PhD members	19	18	6	6	3	3
Contribution	€ 13.375,09	€ 12.671,14	€ 4.223,71	€ 4.223,71	€ 2.111,86	€ 2.111,86

University	
Total	€ 79.546,59

Final Account ICO 2013

Expenses

ICO Office

Scientific Director	€ 13.500,00	
Executive Secretary	€ 45.000,00	
Educational Director	€ 5.000,00	
Meeting facilities	€ 1.235,85	
Financial Administration	€ 2.500,00	
Other (e.g. travel, office supplies)	€ 2.754,98	
<i>Subtotal ICO Office</i>		€ 69.990,83

Educational Activities

Introductory Course (2)	€ 5.133,75	
Master Class Qualitative Methodology	€ 478,49	
Thematic Courses (5)	€ 3.356,59	
National Fall School 2013	€ 5.146,93	
Preparation International Fall School 2014	€ 7.440,00	
<i>Subtotal Educational Activities</i>		€ 21.555,76

Total expenses

€ 91.546,59

Income

Revenues - external participants (12)	€ 12.000,00	
Contribution participating universities	€ 79.546,59	
Total Income		€ 91.546,59

Appendix 1: List of ICO Members

Staff members dated 31-12-2013

*=emeritus professor

Eindhoven University of Technology

prof.dr. Douwe Beijaard	
prof.dr. Perry den Brok	ICO Governing Board (1)
dr. Michiel van Eijck	ICO Governing Board (2)
prof.dr. Koeno Gravemeijer*	
prof.dr. Wim Jochems*	
dr. Ruurd Taconis	

Erasmus University Rotterdam

prof.dr. Tamara van Gog	
dr. Sofie Loyens	ICO Governing Board (2)
dr. Silvia Mamede Studart Soares	
prof.dr. Fred Paas	ICO Governing Board (1)
prof.dr. Remy Rikers	
dr. Huib Tabbers	
dr. Peter Verkoeijen	

Ghent University

prof. dr. Bram De Wever	Theme group coordinator T2
prof.dr. Hilde Van Keer	ICO Governing Board (1); Scientific and examinations committee
dr. Jo Tondeur	
prof.dr. Martin Valcke	ICO Governing Board (1)
dr. Ruben Vanderlinde	

Leiden University

prof.dr. Wilfried Admiraal	ICO Governing Board (2); Theme group coordinator T4
dr. Mandi Berry	
prof.dr. Jan van Driel	ICO Governing Board (Chair)
dr. Fred Janssen	
dr. Jacobiene Meirink	
dr. Roeland van der Rijst	Theme group coordinator T9
dr. Dieneke Tigelaar	
dr. Klaas van Veen	
prof.dr. Nico Verloop	

Maastricht University

dr. Simon Beusaert	Theme group coordinator T3
prof.dr. Piet Van den Bossche	
dr. Nick Broers	
dr. Anique de Bruin	ICO Governing Board (1)
prof.dr. Diana Dolmans	Director; Scientific and examinations committee
prof.dr. Tim Dornan	
dr. Erik Driessen	
dr. Steven Durning	
dr. Kevin Eva	
prof.dr. Wim Gijsselaers	
dr. Willem de Grave	
dr. Karen Könings	ICO Governing Board (2)
dr. Bas de Leng	
prof.dr. Jeroen van Merriënboer	
dr.ir. Arno Muijtjens	
dr. Jan Nijhuis	
dr. Jan-Joost Rethans	
prof.dr. Charlotte Ringsted	
prof.dr. Albert Scherpbier	
prof.dr. Mien Segers	
dr. Dominique Sluismans	
dr. Renée Stalmeijer	
dr. Fred Stevens	
dr. Dirk Tempelaar	
dr. Pim Teunissen	
prof.dr. Cees van der Vleuten	
dr. Ineke Wolfhagen	

Open University of the Netherlands

prof.dr. Theo Bastiaans	
dr. Marlies Bitter-Rijkema	
dr. Jo Boon	
prof.dr. Els Boshuizen	
dr. Saskia Brand-Gruwel	Theme group coordinator T6
dr.ir. Francis Brouns	
dr. Jan van Bruggen	
dr. Gino Camp	
prof.dr. Marjolein Caniëls	
dr. Renate de Groot	
prof.dr. Beatrice van der Heijden	

dr. Hans Hummel
dr. José Janssen
dr. Halszka Jarodzka Theme group coordinator T5
prof.dr. Wim Jochems
dr. Desirée Joosten-Ten Brinke
prof.dr. Liesbeth Kester ICO Governing Board (1); Theme group coordinator T1
prof.dr. Paul Kirschner ICO Governing Board (2); Theme group coordinator T10
dr. Marcel van der Klink
prof.dr. Rob Koper
dr.ir. Karel Kreijns
prof.dr. Marinka Kuijpers
prof.dr. Maarten de Laat
prof.dr. Rob Martens
prof.dr. Ton Mooij
dr. Rob Nadolski
dr. Loek Nieuwenhuis
dr. Peter van Rosmalen
dr. Ellen Rusman
dr. Patrick Sins
prof.dr. Peter Sloep
prof.dr. Marcus Specht
prof.dr. Sjef Stijnen
dr. Slavi Stoyanov
dr. Marjan Vermeulen

University of Amsterdam

prof. dr. Carla van Boxtel Theme group coordinator T5
dr. Martine Braaksma
prof.dr. Geert ten Dam
dr. Rijkje Dekker
dr. Jannet van Drie
dr. Ruben Fukkink
dr. Femke Geijsel
dr. Tanja Janssen
prof.dr. Sjoerd Karsten
dr. Hulya Kosar
dr. Kuiper
dr. Joost Meijer
prof.dr. Michael Merry
prof.dr. Ron Oostdam
dr. Thea Peetsma

prof.dr. Gert Rijlaarsdam
dr. Jaap J.A. Schuitema
dr. Roel van Steensel
dr. Ineke van der Veen
prof.dr. Wiel Veugelers
prof.dr. Monique Volman

University of Antwerp

prof.dr. Piet Van den Bossche
prof.dr. Sven De Maeyer
prof.dr. Vincent Donche
prof.dr. David Gijbels
prof. dr. Peter Van Petegem ICO Governing Board (1)
dr. Ann Stes Theme group coordinator T9
prof.dr. Jan Vanhoof

University of Groningen

prof.dr. Roel Bosker ICO Governing Board (1)
prof.dr. Bert Creemers
dr. Marjon Fokkens-Bruinsma
prof.dr. Martin Goedhart
prof.dr Wim van de Grift
prof.dr. Egbert Harskamp
dr. Michelle Helms-Lorenz
prof.dr. Adriaan Hofman
dr. Roelande Hofman
dr. Ellen Jansen
dr. Hanke Korpershoek
dr. Hans Kuyper
dr. Ridwan Maulana
dr. Marie-Christine Opdenakker ICO Governing Board (2)
dr. Alma Spijkerboer
dr. Cor Suhre
dr. Marjolein Torenbeek
prof.dr. Greetje van der Werf

University of Twente

prof.dr.ir Theo Eggen
dr. Melanie Ehren
dr. Maaïke Endedijk
dr. Tessa Eysink
dr.ir. Jean-Paul Fox

prof.dr. Cees Glas
prof.dr. Ton de Jong
prof.dr. Wouter van Joolingen
dr. Ard Lazonder ICO Governing Board (2); Theme group coordinator T1
dr. Hans Luyten
dr Susan McKenney Theme group coordinator T6
dr. Martina Meelissen
dr. Hans van der Meij
dr. Nienke Moolenaar
prof.dr. Jules Pieters* Counselor
prof.dr. Jaap Scheerens*
dr. Kim Schildkamp
prof.dr. Peter Slegers ICO Governing Board (1)
dr.ir. Bernard Veldkamp
dr. Adrie Visscher Theme group coordinator T7
prof.dr. Joke Voogt
dr. Juliette Walma van der Molen
dr. Pascal Wilhelm

Utrecht University

dr. Sanne Akkerman
dr. Liesbeth Baartman Theme group coordinator T8
dr. Arthur Bakker
prof.dr. Huub van den Bergh
prof. dr. Peter van Beukelen
prof.dr. Kerst Boersma
dr. Dirk Jan Boerwinkel
prof.dr. Mieke Brekelmans ICO Governing Board (1)
prof.dr. Elly de Bruijn Theme group coordinator T3
dr.ir. Astrid Bulte
prof.dr. Olle ten Cate
dr. Michiel Doorman
dr. Paul Drijvers
dr. Dolly van Eerde
prof.dr. Marja van den Heuvel-Panhuizen
dr. Jeroen Janssen Theme group coordinator T2
dr. Femke Kirschner
prof.dr. Fred Korthagen
dr. Tim Mainhard
prof.dr. Albert Pilot*
dr. Frans Prins

dr. Elwin Savelsbergh
dr. Marieke van der Schaaf
dr. Harmen Schaap MSc
prof.dr. Robert Jan Simons
dr. Bert Slof
prof.dr. Karel Stokking
prof.dr. Jan van Tartwijk Theme group coordinator T4
prof.dr. Arend Jan Waarlo
prof.dr. Theo Wubbels
dr. Rosanne Zwart

VU University Amsterdam

prof.dr. Jos Beishuizen Director; Scientific and examinations committee
prof.dr. Gerda Croiset MD
dr. Bjorn de Koning
prof.dr. Lydia Krabbendam Theme group coordinator T10
dr. Rashmi Kusurkar MD
dr. Mieke Lunenberg
prof.dr. Bert van Oers
prof.dr. Joop van der Schee
dr. Judith Schoonenboom
dr. Menno van der Schoot
dr. Anja Swennen

Wageningen University

dr. Harm Biemans ICO Governing Board (1)
dr. Judith Gulikers Theme group coordinator T8
prof.dr. Martin Mulder ICO Governing Board (2)
dr. Omid Noroozi
dr. Piety Runhaar
prof.dr. Arjen Wals
dr. Renate Wesselink Theme group coordinator T3

Post doc members **dated 31-12-2013**

Eindhoven University of Technology

dr.ir. Geeke Bruin-Muurling
dr. Maaïke Koopman
dr. Ellen Rohaan
dr. Marieke Thurlings

Leiden University

dr. Albert Logtenberg

Maastricht University

dr. Jimmie Leppink

dr. Ingrid Spanjers

Open University of the Netherlands

dr. Rory Sie

University of Amsterdam

dr. Irma Heemskerk

dr. Lisette Hornstra

University of Groningen

dr. Esther Canrinus

dr. Marjolein Deunk

dr. Rink Hoekstra

dr. Annemieke Jacobse

dr. Danny Kostons

dr. Anneke Timmermans

Theme group Coordinator (T7)

University of Twente

dr. Sandra van Aalderen-Smeets

dr. Nelleke Belo

dr. Marleen Groenier

dr. Adam Handelzalts

dr. Bas Kollöffel

dr. Yvonne Mulder

dr. Bart Ormel

dr. Ruth van Veelen

Utrecht University

dr. Sylvia van Borkulo

dr. Larike Bronkhorst

dr. Renske de Kleijn

dr. Marjolijn Peltenburg

dr. Chris Phielix

dr. Janneke van de Pol

VU University Amsterdam

dr. Marjolein Dobber

dr. Tim Favier

dr. Didi Griffioen

dr. Hanna Westbroek

PhD Students dated 31-12-2013

Eindhoven University of Technology

ir. Huub de Beer MSc

Niek van den Bogert MSc.

Educational Committee (1)

drs. Nele Coninx

drs. Rens Gresnigt MSc

Ralf van Griethuijsen MSc

ir. Zeger-Jan Kock

drs. Anna van der Want MSc

Erasmus University Rotterdam

Martine Baars MSc

Gerdien van Eersel MSc

Jan Engelen MA

Nicole Goossens MA

Susanne Lucieer MSc

drs. Kim Ouwehand

Educational Committee (1)

drs. Lisette Wijnia Msc

Ghent University

drs. Koen Aesaert

drs. Mario Gielen MSc

drs. Cindy De Smet MA

Leiden University

Yanjuan Hu MA

Monika Louws MSc

Educational Committee (1)

drs. Ikupa Moses MA

drs. Rineke Keijzer-Groot

Maastricht University

drs. Diana Baas

Jorrick Beckers MSc

Katerina Bohle Carbonell MSc

Educational Committee (2)

Janneke Frambach MA

drs. Catherine Gabelica
Rachelle Kamp MSc
Ellen Kok MSc Educational Committee (1), ICO Governing Board (2)
drs. Mariëtte van Loon MSc
drs. Janine van der Rijt
drs. Jonne van der Zwet

Open University of the Netherlands

Daniël van Amersfoort MSc
drs. Martin van Dijk
Elma Dijkstra MSc Educational Committee (2); Theme group coordinator T6
drs. Kim Dirx
Jimmy Frerejean MSc
drs. Jérôme Gijsselaers MSc Theme group coordinator T7
drs. Marjolein van Herten
Ya Ping Hsiao MSc
drs. Thomas Jaarsma MSc
Joost Jansen in de Wal MSc
drs. Joyce Neroni
Michelle Nugteren MSc
Pauline Reijnders MSc Educational Committee (1); Theme group coordinator T1
drs. Milou de Smet
Johan van Strien MSc
drs. Merel van der Wal MSc
drs. Jaap Walhout
Charlotte Wolff MA MSc Theme group coordinator T5

University of Amsterdam

drs. Annoesjka Boersma
Lisa Gaikhorst MSc
drs. Jantina Huizenga
drs. Saskia Rietdijk Educational Committee (1)
Ralph Rusconi MSc
Mayke Schouten MSc
drs. Gerhard Stoel Educational Committee (2); Theme group coordinator T5
drs. Maren Thomsen
Frank Wanders MSc

University of Antwerp

Jan Ardies Educational Committee (1)
Katrien Cuyvers
drs. Sara van Waes Theme group coordinator T3

University of Groningen

Marian van den Berg MSc

Anouk Donker-Bergstra MSc

Dorinde Jansma MSc

Willem de Kock MSc

Mechteld van Kuijk MSc

Rikkert van der Lans MSc

Mayra Mascareno MSc

Lieneke Ritzema MSc

Educational Committee (2)

Edwin Slijkhuis MSc

University of Twente

Lisa Boonk MSc

drs. Ferry Boschman

Rike Bron MSc

Alieke van Dijk MSc

Educational Committee (2)

Johanna Ebbeler MSc

drs. Marieke Fix

Marieke van Geel MSc

Mieke Hagemans MSc

Mireille Hubers MSc

Educational Committee (1)

Tjark Huizinga MSc

Noortje Janssen MSc

Trynke Keuning MSc

Marjolein van Klink MSc

Frank Leenaars MSc

Mariska Okkinga MSc

Arnoud Oude Groote Beverborg MSc

Siswa van Riesen MSc

drs. Nico Rutten

Emmelien van der Scheer MSc

drs. Laura Staman MSc

drs. Ilona Veer

Judith ter Vrugte MSc

Utrecht University

Bas Agricola

Educational Committee

Marjoke Bakker MSc

drs. Nienke Bijlsma MSc

Renske Bouwer MSc

Theme group coordinator T8

Luce Claessens MSc

Educational Committee (chair); ICO Governing Board

Al Jupri MSc
drs. Monica Koster
drs. Els Laroës
Ha Le MA
Anouschka van Leeuwen MSc Theme group coordinator T2
Nathalie Martel PhD
Heleen Pennings MSc
drs. Martine van Rijswijk
drs. Hanneke Tuithof
Michiel Veldhuis MSc
drs. Bjorn Wansink
Ariyadi Wijaya MSc
Xiaoyan Zhao

VU University Amsterdam

Lisanne Bos MSc Educational Committee (1); Theme group coordinator T10
drs. Stan Buis
ir. Silvester Draaijer Educational Committee (2)
drs. Thea van Lankveld MSc Theme group coordinator T4
Annedien Pullen MSc
Trinh Ba Tran
Chiel van der Veen MSc
Anouk Wouters MSc

Wageningen University

drs. Niek van Benthum MA
Machiel Bouwmans MSc
drs. Stan van Ginkel MSc Educational Committee (2)
ir. Saeid Karimi MSc
drs. Anne Khaled MSc Educational Committee (1)
Eghenayahiore Osagie MSc
Nienke Woldman MSc
Hildert Zoethout BSc
