



Annual research report 2021



Amsterdam School of Economics

PREFACE

The 2021 annual research report of the Amsterdam School of Economics (ASE) documents the organisation, activities and results of its research institute ASE-RI. The funding of the institute provides the financial means for its staff members to write scientific papers and dissertations, attend and organise international workshops and conferences and supervise PhD students.

The ambition of the Amsterdam School of Economics is to become a European top 10 Economics department based on its research output in Micro-Economics, Macro-Economics and Quantitative Economics. The research time allocation of the members of ASE-RI is in line with this ambition and is closely aligned with the Research Fellow criteria of the Tinbergen Institute. Newly recruited junior faculty start out as tenure-track assistant professors. The criteria for receiving tenure parallel those for becoming a Tinbergen Institute research fellow. The Amsterdam School of Economics and therefore also ASE-RI pride themselves with their large number of highly qualified successful researchers whose research is documented in this yearly report.

This report also marks the end of term (per February 2022) of Frank Kleibergen as director of ASE-RI. Under his competent heading, ASE-RI has strongly developed and made significant progress towards realizing the school's ambitious strategic goals. For instance, during the past years the presence and visibility of ASE on the international job market for academic talent – and thereby our recruitment – has improved considerably. Moreover, the administrative support when applying for large grants has been extended and professionalized, more attention is now given to stimulating research with (also) societal impact, and diversity and inclusiveness have become integral parts of the inspiring and high quality research environment ASE-RI aspires to provide. The ambition for the near future is therefore to strengthen and broaden these positive developments, as to keep the upward trend.

In one respect there might well be a trend reversal though. This is most likely the final year this annual report appears in its current format. Over the years the target group of the report has become less clear and also the value of (the current format of) the report for internal monitoring and strategic decision making purposes has arguably become more limited. The reporting format for the next (2022) annual report will thus be reconsidered. With that in my mind, substantial effort has been put in making sure that the hard data in the current annual report is fully updated and correct, yet less attention is given to completely polishing the accompanying text.

Prof. dr. Randolph Sloof

Director of the Amsterdam School of Economics Research Institute

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THE RESEARCH INSTITUTE

1. INSTITUTIONAL OVERVIEW

1.1 Mission Statement

ASE-RI (Amsterdam School of Economics Research Institute) facilitates and promotes research at ASE to foster the academic ideal of intertwined university teaching and research. The institute aims for research results that significantly improve our understanding of the operation of economic systems, the behaviour of agents in the economy and the effects of economic policies. ASE-RI aims to appraise researcher performance and to provide a directive for further research with its standards for research. Research time is allocated to researchers based on their performance.

1.2 Organisation

ASE-RI, the research institute of the Amsterdam School of Economics, is one of the two research institutes of Economics & Business (EB); the other being the research institute of the Amsterdam Business School (ABS-RI). ASE-RI covers the wide area of economics, econometrics and actuarial science.

Research is organised in research programmes, which are directed by programme leaders who are experts with core positions in the curriculum. Stimulating research that significantly improves our understanding of the economy is meant as a focus on fundamental research. In many cases, the inspiration for research questions derives from practical problems in business and society as well as from pressing problems for government policies, as is only natural for a social science. But the research results should primarily be reported to the international academic community and assessed against the quality standards that apply there. Such permanent quality assessment feeds back into the quality of teaching and of advice given to business and the government. Contributions to public debates should be a consequence of developing reliable knowledge about the economy rather than a primary goal.

In addition to the research programmes, ASE-RI also hosts the Research Priority Area (RPA) Behavioural Economics. This is one of the 20 fields in which the UvA wishes to actively foster further development. Researchers from several programmes participate in the RPA Behavioral Economics, in particular in the fields of experimental economics, industrial organization, labour economics, and complex socio-economic systems. In 2014, ASE-RI and ABS-RI jointly have taken the initiative for a research focal area of Economics and Business on Risk and Macro Finance, in which researchers from (behavioural) finance, macro-economics, and actuarial science participate.

From 2019-2020 onwards, the research focal areas financed by the faculty are terminated in order to stimulate research in the, so-called, 'outside-in' areas: Sustainability and Environmental Economics, Responsible digital transformations, Resilient society and stability, Nudging for a better world. Full responsibility for the RPAs will also from now on reside with the faculty whilst the financing from the University will continue.

ASE-RI closely co-operates with the Tinbergen Institute, where many of ASE-RI's researchers are appointed as fellow. The Tinbergen Institute also acts as the graduate school for ASE-RI students.

1.3 Strategy and Policy

The main strategic aim of ASE-RI is to produce research in (quantitative) economics with, on the one hand, a high impact on the international academic research agenda, and on the other hand a strong societal relevance.

The first aim is in line with ASE's ambition to become a Top-10 school in Europe in each of the broad areas micro-economics, macro-economics, and quantitative economics (as stated in the ASE Strategic Plan of March 2016). The ambition implies that quality of publications has more emphasis than quantity. Although some variation in publication culture exists among the research programmes, it means that researchers are encouraged to aim at publishing in the top economics journals and in field journals with a high citation impact (currently measured by the Article Influence Score, AIS). The strategy to reach these aims consists of the following elements.

Personnel policy

As stated in the ASE Strategic Plan, vacancies for new research staff are to be filled at the tenure track level. The school has adopted a 6-year tenure track, with a mid-term review after 3 years. Tenure criteria include, in addition to teaching performance and external funding, the ability to qualify as Research Fellow of the Tinbergen Institute, which requires that five publications in a recent five-year period are in journals with a cumulative AIS of five. In addition, ASE-RI requires that at least three publications are in a medium-impact field journal, or one in a Top-5 journal. As of 2014, recruitment of tenure track assistant professors occurs through the American academic job market, where a joint ASE recruitment committee aims to attract the most talented candidates, in line with the teaching requirements of the research-based bachelor and master programmes that the school offers in combination with the school's Top-10 ambition. Tenure and promotion decisions are made by the Dean. The promotion and Tenure (P&T) Committee advises the Dean based on a standard set of criteria and after the consultation of full professors in the department.

Research time allocation

Each year, tenured faculty members with a research appointment (assistant, associate and full professors) are allocated research time based on research output. Currently the maximum research time for fulltime appointments (except for externally funded research) is 0,5 fte. As of 2014, the criteria for this maximum research time are aligned with criteria for Research Fellowship of the Tinbergen Institute, as indicated above. Researchers who do not satisfy these criteria may earn 0,4-0,1 fte (sliding scale). ASE-RI aims to appraise researcher performance and to provide a directive for further research with its standards for research.

PhD programme and placement

A third approach to increasing the school's international research impact is through its PhD programme. As detailed below, ASE-RI's PhD programme is organised by the Tinbergen Institute graduate school. Through a systematic process of training, research supervision and job market preparation, the school aims at (and has succeeded in) placing its PhD graduates at good European and American departments.

ASE-RI also stimulates concentration of the school's research in research programmes by other means (such as providing an annual budget for conference visits and other academic activities to the Research Programmes).

1.4 Targets

In view of the general aims, the specific targets related to research that are stipulated in EB's strategic plan 2021-2026 are:

- A growth in the number of publications per research fte, in top journals;
- An increase in the percentage of PhD projects completed within four years;
- An increase in the number of PhD defences;
- An increase in the percentage of research funded by the second stream (NWO, KNAW, ERC, EU);
- An increase in the number of personal grants and distinctions;
- An increase in the number of research projects, and income derived from "second money stream" and "third money stream" funding;
- Placement success of PhDs (percentage of PhDs getting placed at either a very good academic institution, or non-academic high profile organisations).

These targets were set at the faculty level, but are in line with the targets for the ASE-RI research programmes, with an emphasis on further growth of external funding to compensate for the expected decline in internal funding for tenured research and PhD positions. A further target is to attract excellent candidates for tenure track assistant professorship positions from the American academic job market, to help realise the ambition to become one of the Top-10 schools in Europe in Economics.

2. INPUT

2.1 Research Staff

Personnel policy and human resource management are the domain of the department chairs and section heads. ASE-RI encourages the sections to hire good researchers and to stimulate faculty to increase the quality and quantity of academic publications, and has a vote in promotion and tenure decisions. Broader strategy issues concerning hiring and firing are discussed within the Amsterdam School of Economics management team and this has resulted in a document on personnel policies in which the requirements that current and new staff should meet are clearly defined.

The tables below give information on ASE-RI faculty. Table I shows that the research capacity increased. A noticeable change is the relative decrease of the number of staff financed by the second flow of funds. As shown in table III, most faculty are in the ranks of full professor and PhD student (the number of researcher (oz) fte is highest, but the majority are working at SEO Economic Research). Overall there seems to be a healthy mix of researchers in different stages of their career, although the numbers of associate professors and postdoctoral researchers are low.

Table I: Input research staff at institutional level (FTE)

	fte	2019	2020	2021
WP 1 (first flow of funds)		35,50	39,82	42,59
WP 2 (second flow of funds)		11,85	12,73	15,01
WP 3 (third flow of funds)		40,44	40,99	42,23
Ph.D. students		20,39	23,30	24,45
Total Research staff		87,79	93,54	99,83
Support staff ASE-RI (bureau)		0,84	0,84	0,94
Total Staff		88,63	94,38	100,77

Table II: Input research staff at programme level (FTE)

UvA-Econometrics	fte	2019	2020	2021
WP 1 (first flow of funds)		3,98	4,21	6,64
WP 2 (second flow of funds)		0,80	0,80	0,80
WP 3 (third flow of funds)		0,00	0,00	0,00
Ph.D. students		2,13	1,07	2,67
Total Research staff		4,78	5,01	7,44
Equilibrium, Expectations & Dynamics	fte	2019	2020	2021
WP 1 (first flow of funds)		6,77	6,20	5,29
WP 2 (second flow of funds)		0,51	1,00	1,33
WP 3 (third flow of funds)		0,00	0,00	0,00
Ph.D. students		2,94	3,09	3,68
Total Research staff		7,28	7,20	6,62
Actuarial Science & Mathematical Finance	fte	2019	2020	2021
WP 1 (first flow of funds)		3,29	4,20	4,70
WP 2 (second flow of funds)		0,00	0,93	2,37
WP 3 (third flow of funds)		1,61	1,56	1,18
Ph.D. students		1,07	2,40	3,47
Total Research staff		4,90	6,69	8,25
Macro and International Economics	fte	2019	2020	2021
WP 1 (first flow of funds)		6,87	8,72	12,14
WP 2 (second flow of funds)		0,80	0,80	0,17

WP 3 (third flow of funds)	2,10	1,85	0,75
Ph.D. students	4,81	5,86	5,68
Total Research staff	9,77	11,37	13,06
<i>Human Capital</i>	fte	2019	2020
WP 1 (first flow of funds)	3,25	5,45	4,65
WP 2 (second flow of funds)	2,61	2,65	2,50
WP 3 (third flow of funds)	0,20	0,20	0,12
Ph.D. students	1,60	3,74	3,35
Total Research staff	6,06	8,30	7,27
<i>Experimental & Political Economcis</i>	fte	2019	2020
WP 1 (first flow of funds)	7,57	7,94	6,73
WP 2 (second flow of funds)	7,13	6,55	7,84
WP 3 (third flow of funds)	0,00	0,00	0,00
Ph.D. students	6,37	6,34	5,46
Total Research staff	14,70	14,49	14,57
<i>Markets & Organizations</i>	fte	2019	2020
WP 1 (first flow of funds)	3,77	3,10	2,44
WP 2 (second flow of funds)	0,00	0,00	0,00
WP 3 (third flow of funds)	0,00	0,00	0,00
Ph.D. students	1,47	0,80	0,14
Total Research staff	3,77	3,10	2,44
<i>SEO</i>	fte	2019	2020
WP 1 (first flow of funds)	0,00	0,00	0,00
WP 2 (second flow of funds)	0,00	0,00	0,00
WP 3 (third flow of funds)	36,53	37,38	40,18
Ph.D. students	0,00	0,00	0,00
Total Research staff	36,53	37,38	40,18

Table III: Ranks at programme level

<i>Research programme</i>	<i>Hgl</i>		<i>Uhd</i>		<i>Ud</i>		<i>Oz</i>		<i>Pdoc</i>		<i>Ph.D.</i>		<i>Guest</i>		<i>Total</i>	
	#	fte	#	fte	#	fte	#	fte	#	fte	#	fte	#	fte	#	fte
UvA- Econometrics	2	1,10	3	0,73	8	3,54	0	0,00	0	0,00	4	2,67	2	0,00	19	8,04
Equilibrium, expectations & dynamics	4	1,60	2	0,70	2	1,11	0	0,00	0	0,00	16	3,21	7	0,00	31	6,62
Actuarial science	2	1,20	0	0,00	8	2,73	0	0,00	1	0,80	6	3,47	2	0,00	19	8,20
MInt	9	1,98	2	0,53	7	3,14	0	0,00	1	0,20	13	5,68	8	0,00	40	11,53
Human Capital	6	2,42	0	0,00	5	1,50	0	0,00	0	0,00	7	3,35	2	0,00	20	7,27
Experimental & political economics	6	2,70	1	0,50	5	2,80	2	0,00	6	3,91	9	4,66	1	0,00	30	14,57
Markets & Organizations	4	1,50	0	0,00	3	0,80	0	0,00	0	0,00	2	0,14	2	0,00	11	2,44
SEO economic research	4	2,80	0	0,00	0	0,00	48	37,21	0	0,00	0	0,00	0	0,00	52	40,01
Total	37	15,30	8	2,46	38	15,62	50	37,21	8	4,91	57	23,18	24	0,00	222	98,68

* hgl=professor, uhd=associate professor, ud=assistant professor, oz=researcher, pdoc=postdoctoral fellow

2.2 Resources, Funding and Facilities

A substantial part of the faculty's research budget is spent on the Tinbergen Institute, where it is used to cover the expenses of the MPhil programme, courses for both MPhil and PhD students and the organisation of seminars. Another large part of the budget concerns funding of the research priority area 'Behavioural Economics'.

Furthermore, the sections of ASE are allocated a budget for matching and a budget for its research programmes. Currently the entire research budget of the faculty of the first category of funds is a lump sum determined by the university based on Bachelor and Master diplomas and on the number of completed PhD theses. It is divided between the sections hosting the research programmes based on their number of completed PhD theses and on research time allocated to their individual researchers. The budget allocated to the programmes can be used for the funding of research fte's and for any research related activities of programme members, such as visiting conferences, conducting experiments and collecting data.

3. RESULTS

3.1 Processes in Research, Internal and External Collaboration

Actual research management occurs within the research programmes. Decisions on research strategies, research topics, joint work, participation in international networks and publication outlets are all taken within these programmes, sometimes by the programme leader, but mostly in an informal way by direct communication and interaction within these groups. Research groups are typically small and interaction is frequent, direct and effective.

As explained in previous chapters, ASE-RI allocates resources based on past performance. ASE-RI stimulates and facilitates application for external funding (NWO, KNAW, EU). In general, the research institute tries to stimulate an active research environment, and it tries to assist programme members, when necessary, by providing them with information and administrative support. The overall quality of the various seminar series is good. Especially in the Tinbergen Institute series foreign speakers are usually invited and the debates are lively.

Box I: Seminar series organised in co-operation with ASE-RI

- Tinbergen Institute / CREED Seminars Series
- Tinbergen Institute Econometrics Seminars & Workshops Series
- Tinbergen Institute Organizations & Markets Double Seminars
- Tinbergen Institute Macro Seminars
- Tinbergen Institute Complexity-Macro Seminars
- Tinbergen Institute Complexity in Economics Seminar Series
- Tinbergen Institute PhD Lunch Seminars
- Actuarial Science & Mathematical Finance Seminar
- MInt PhD Lunch seminar series

Another way in which ASE-RI creates a stimulating research environment is by participating in the Tinbergen Institute (TI). Two other Dutch universities (Erasmus University and VU University) participate in the TI. It is their joint graduate school which facilitates exchange amongst its fellows (top researchers of the three participating faculties) by hosting seminar series and publishing a discussion paper series.

3.2 PhD Programme

The PhD programme of ASE-RI is organised by the graduate school in Economics, Econometrics and Finance of the Tinbergen Institute (TI). It involves completing TI's 2-year MPhil research master programme before the start of the PhD appointment, a process of matching and selection during the second year of the MPhil programme, a three-year appointment as PhD student at one of the three participating universities, and (for those students who aim for an academic career after graduation) preparation for the international academic job market. The advantage of this system is that it offers students an excellent research-oriented two-year programme with good opportunities to meet top-level supervisors (TI-fellows).

Table IV: PhD Inflow 2017-2021

Cohort	2017	2018	2019	2020	2021
1st flow of fund projects	7	5	9	7	9
2nd flow of fund projects	2	3	1	1	4
3rd flow of fund projects	0	2	0	0	0
Total projects started	9	10	10	8	13

The inflow of PhD students stabilized around 8 in the years after 2015. In recent years the outflow of students from the Tinbergen Institute who completed their MPhil was sufficient to fill in all PhD vacancies. As can be seen in Table IV, most PhD projects concern the first flow of fund.

Figure I: Dissertations 2016-2021

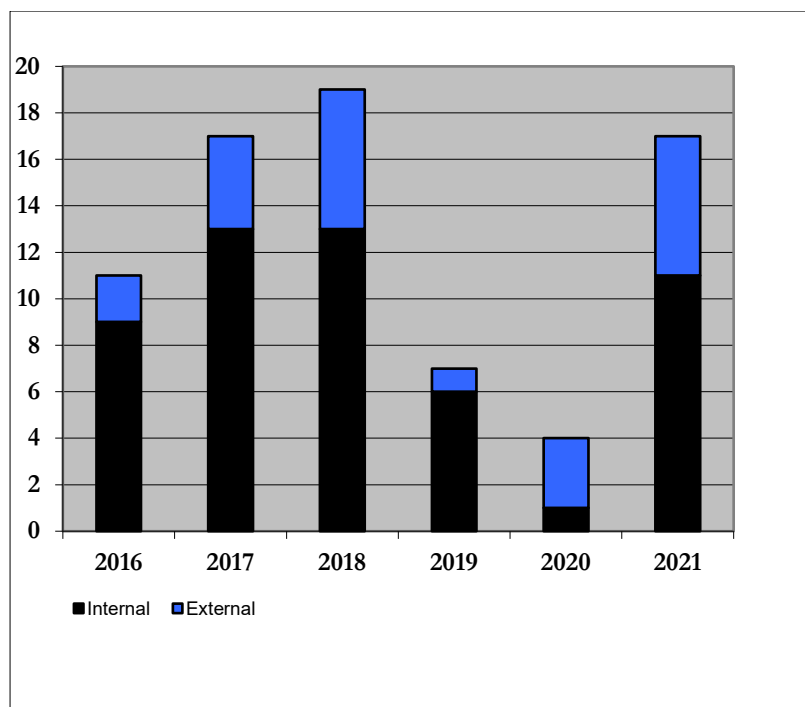


Table V: PhD completion rates

Cohort	2018		2019		2020		2021	
	#	%	#	%	#	%	#	%
PhD students graduated	22	100%	7	100%	4	100%	17	100%
within 60 months	11	50%	5	71%	2	50%	12	71%
within 48 months	6	27%	4	57%	1	25%	6	35%
Average duration (months)	57		53		80		53	

More recent experience substantiates the claim that as the proportion of PhD students following the TI programme increases, the percentage of students finishing within 4 years will increase. However, they only have a salaried position for three years. Therefore, the ASE-RI intends to offer four-year contracts from 2023 on.

Table VI: PhD placement

Year of dissertation	Top academic or high-profile international organisation		Other	
	#	%	#	%
2016	3	27	8	73
2017	6	46	7	54
2018	7	37	12	63
2019	3	43	4	57
2020	1	25	3	75
2021	12	71	5	29

Students with an ambition to develop a career in academia after finishing their PhD are actively encouraged to participate in TI's job market preparation programme. This involves, among other things, feedback to improve the CV and reference letters, and mock job seminars and interviews to prepare for the American

academic job market. In contrast with common practice up to a decade ago, in general ASE does not select tenure track candidates from its own pool of graduated PhD students. The group of PhD students that enter the programme through TI's MPhil programme is increasingly oriented towards the academic job market. Out of the 17 ASE-RI students who defended their PhD thesis in 2021, 71% of the initial placement was at a university from the top 200 of the QS ranking in the subject category Economics & Econometrics or a high-profile international organisation such as the International Monetary Fund.

3.3 Research Output

Figure II: Scientific output 2015-2021

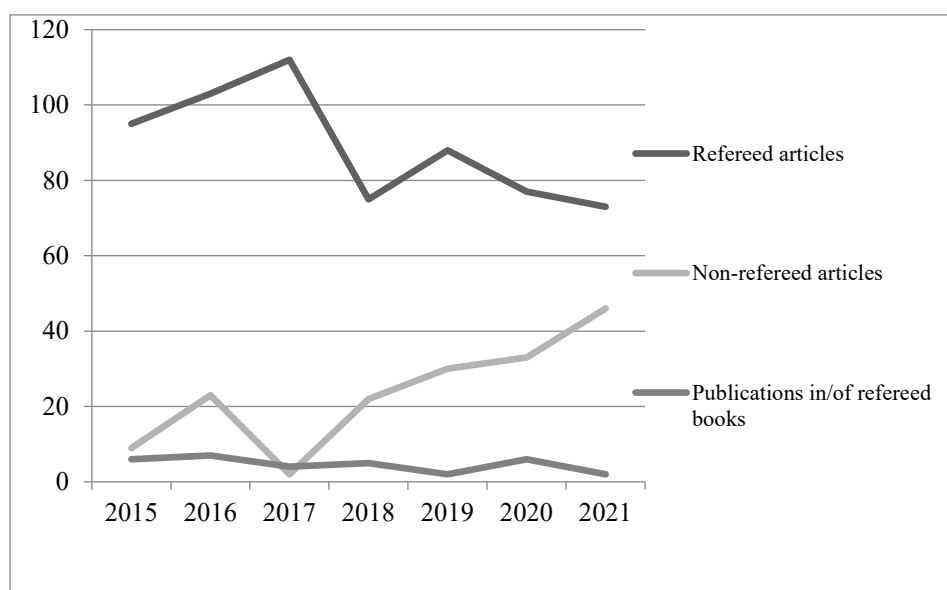


Figure II shows that the scientific output increased in 2016 and 2017. In 2018 a decrease is shown in refereed articles, but this number starts to increase again in 2019 and decreased in 2020 and 2021, probably due to the Covid-19 crisis. From table 1 it can be seen that the research input (fte's) increased in 2021. However, the scientific output per research fte is a bit lower than 2020.

Table VII: Research output 2021

		UvA-e	EED	AS&MF	MInt	HUM	EPE	M&O	SEO	Total*
Articles in journals	refereed	7	11	12	8	11	20	3	4	76
	non-refereed	0	0	0	1	1	0	0	26	28
	professional	0	0	4	1	1	0	0	10	16
	popular	0	0	0	7	2	0	0	5	14
Books or book chapters	refereed	0	0	0	1	0	0	0	1	2
	non-refereed	0	0	0	0	0	0	0	0	0
	professional	0	0	0	0	0	0	0	0	0
	popular	0	0	0	0	0	0	0	0	0
Conference proceedings	refereed	0	1	0	0	0	1	0	86	88
Reports	refereed	0	0	0	0	0	0	0	0	0
PhD theses		2	7	0	5	0	3	0	1	18

* Duplications removed

See table VII for an overview of the output of the research groups. ASE-RI aims to increase the quantity and quality of its publications, in particular in refereed journals. For this purpose, publications are graded by the quality level of the journals. Based on the Article Influence Percentile Score, top publications can be distinguished.¹ Table VII shows that the number of publications in top-refereed journals is lower than publications in other journals. The number of top publications per research fte excluding PhD students (see table I for data on research input) was 0,53 in 2018 and decreased significantly in 2019 to 0,46 and in 2020 to 0,44.

Table VII: Refereed articles 2019-2021

	2019		2020		2021		
	Top	Other	Top	Other	Top	Other	
UvA-Econometrics	4	4	3	4	4	3	
Equilibrium, Expectations and Dynamics	7	13	1	10	8	3	
Actuarial Science & Mathematical Finance	2	6	7	8	4	8	
Macro and International Economics	1	6	5	12	4	4	
Human Capital	1	4	2	1	9	2	
Experimental & Political Economics	10	11	9	6	11	9	
Markets & Organizations	5	2	3	1	2	1	
SEO	0	12	1	4	2	2	
Total ASE-RI*							
	(#)	30	58	31	46	44	32
	(%)	34	66	40	60	57	43

*duplications removed

All journals with an Article Influence percentile score of ≥ 80 are considered to be 'top'. A journal's Article Influence score is a measure of the average influence of each of its articles over the first five years after publication. Scores are based on www.eigenfactor.org.

3.4 Academic Reputation

The 2021 QS World University Rankings by Subject puts the UvA in 3rd rank in the Netherlands and 56th worldwide for the discipline Economics and Econometrics.² In the ESB Economen-top 40 of 2021, UvA ranked 4th in the Netherlands³.

3.5 Relevance to society

The ASE-RI strengthened its research position within its academic discipline, but also in society. The institute stimulates the valorisation of academic research to increase the impact of ASE-RI's research on society. Overall, the societal relevance of research at ASE-RI broadly falls into six categories:

Crisis management

ASE-RI's Center for Nonlinear Dynamics in Economics and Finance (CeNDEF) was one of the first research groups to view the economy, and especially financial markets, as a complex system with interacting agents. When the financial crisis arrived in 2008, CeNDEF's research suddenly became highly relevant to policy makers. Since then, the group has participated in several large EU projects that investigate the interplay of macroeconomics and financial markets, and it has worked together with the Dutch Central

¹ All journals with an Article Influence percentile score of ≥ 80 are considered to be 'top'. A journal's Article Influence score is a measure of the average influence of each of its articles over the first five years after publication. Scores are based on www.eigenfactor.org.

² <https://www.topuniversities.com/university-rankings/university-subject-rankings/2021/economics-econometrics>

³ <https://esb.nu/esb/20069104/economentop-40-2021>

Bank in a joint project to spread its knowledge of complex economic systems and address policy issues under more realistic behavioural assumptions.

To further develop this research expertise, the ASE-RI appointed Neeltje van Horen, a senior research advisor at the Bank of England as full professor of economics with a part time appointment. Her research focuses on the links between the financial sector and the real economy. This includes the impact of major economic shocks on companies and households, the effects of central bank policies on the behavior of banks, and the link between banks and governments. For the same reasons, the ASE-RI also prolonged the appointment of Aerd Houben, director financial markets at De Nederlandse Bank, as full professor of economics with a part time appointment and similarly for the current president of De Nederlandse Bank, Klaas Knot. Roel Beetsma is further a member of the European Fiscal policy Board (EFB) which provides advice to the European Commission on the fiscal framework and stance of the European Union. Given the large amount of debt acquired by the governments of the European Union over the last two crises, the importance of this advisory board has risen considerably.

The current COVID-19 pandemic has a huge impact on society and on our economy. ASE-RI researchers have used their expertise to study the effects of the pandemic. Roel Beetsma contributed to the “Voor- en nadelen van voorwaarden aan crisissteun” report of De Argumentenfabriek, that has been sent to the Ministry of Economic Affairs. Given the continued financial support to businesses by the government, many of the arguments of that report remain at the forefront of the economics news. Michel Vellekoop has been invited to present his research on the impact of COVID on long-term interest rates which is also currently an important issue. Giuseppe Sorrenti conducted research on the disparate impact of school closures due to the pandemic on inequality of opportunity for children. This study runs parallel to the arguments to reopen schools after their second lockdown. Since there isn't a comparable pandemic in the recent past that would allow us to extrapolate how cohorts exposed to a pandemic fare relative to others, economic models are important to help to do so.

Climate change

With the appointment of university professor Rick van der Ploeg and several other junior and senior researchers, the ASE-RI is in the process of building an environmental economics research group. Rick van der Ploeg's research focuses on the economic aspects of climate change, biodiversity and resource depletion, as well as broader social and political aspects. Interest in these themes is rapidly increasing - among citizens, but also among companies, insurers, pension funds, (central) banks, NGOs and, of course, politicians. The interests of all these stakeholders vary. To obtain an effective policy on climate change, an approach is needed in which different scientific disciplines come together. In addition to the knowledge of biologists and physicists, that of economists is crucial - on public finances, finance, microeconomics (mechanism design and risk analysis), macroeconomics, mathematical economics (system theory and complex systems) and behavioural economics (game theory).

Pensions

In 2019 and 2020, the Dutch government announced a new pension plan. This plan will be further developed into a new pension system in the years to come. Members of the ASE-RI have made important contributions to this debate and for concrete proposals for structural reform. Roel Beetsma was one of the authors of the report commissioned by the Dutch government on the sustainability of the second pension pillar and was involved in a related earlier research project for the European Commission. Casper van Ewijk, member of ASE-RI, has been the director of Netspar (the Network for Studies on Pensions, Ageing and Retirement) and the chair of the scientific council for pension reform. Michel Vellekoop is as a researcher at Netspar involved in research on mortality. Jointly with Katrien Antonio, they participated in the committee that designed the new official mortality model for Dutch actuaries which for the first time explicitly incorporates the stochastic nature of improvements in survival rates and can thus be used as a scenario generator to analyse longevity risk.

Education

Jointly with Bas van der Klaauw from VU University, Hessel Oosterbeek is involved in the design, adjustments and evaluation of the secondary-school match in Amsterdam. Each year around 8000 students transfer from primary schools to secondary schools in the Amsterdam school district. There is a shortage

of around 1500 places to provide every student with a position at her/his most preferred school. Jointly with the board of secondary schools in Amsterdam and the municipality, they implemented a system that records the secondary school preferences of the students and minimizes the welfare loss due to the students missing their most preferred places. Recently the effects of the placement system on school segregation has been assessed which shows that it improves diversity within secondary schools. Next is an evaluation of the impact of the system on students' school satisfaction.

Alongside that, the ASE-RI's Human Capital research programme participates in the Top Institute for Evidence-based Education Research (TIER), initially funded by a five-year grant from the Dutch Ministry of Education, Culture and Science. Its aim is to conduct excellent scientific research and to put the results of this research at the services of (and make usable for) educational practice and educational policy. The Top Institute wants to develop knowledge of 'evidence based education' that can be used by the Ministry of Education, Culture and Science in policy preparation and evaluation; by the educational practice in the allocation of means and in decision making when choosing between educational theories; and by parents and students when choosing a school or training.

Externally funded PhD positions

A considerable number of externally funded PhD students provide PhD supervisors from ASE-RI the opportunity to generate societal impact from their research and have access to additional resources, like, for example, specific datasets. The funding institution/company then benefits from the expertise present at ASE-RI. Over the last five years, ASE-RI has had two students funded by De Nederlandse Bank, two by the Central Bureau of Statistics, two by SEO (which is further discussed next), one funded by the APG pension fund and one by Vivat/Nationale Nederlanden insurance company. It implies that compared to the eight PhD students which ASE-RI funds every year, about one student is externally funded. The ASE-RI has set guidelines to ascertain that the quality of the PhD theses of externally funded students are on par with those funded from its own resources. One of the goals of the "Outside-In research initiative" is to increase the number of externally funded PhD students.

SEO

SEO Amsterdam Economics was founded in 1949, by the Economic Faculty of the University of Amsterdam, to encourage applied research and is one of the oldest economic research agencies in the Netherlands. Since then a long list of professors at the faculty have served as directors of SEO and the same applies to the current director, Bas ter Weel. SEO Amsterdam Economics was transformed into a foundation independent from the University in the nineteen-eighties while it retains close links with the faculty as reflected by the professorial appointment of its director. Researchers at ASE-RI therefore regularly contribute to SEO's reports. SEO also provides research topics for students to write their master theses and some of the SEO researchers are also externally funded PhD students at the ASE-RI.

SEO works for ministries, companies and institutions in the non-profit sector, both nationally and internationally. SEO Amsterdam Economics is an independent organization and is not linked to specific parties or interests. In general, SEO reports are made public to guarantee autonomy and scientific quality. SEO has a scientific staff of about 40, the majority of whom are trained economists or econometricians. SEO's researchers also conduct multi-disciplinary research in collaboration with scientists from other disciplines. The table below provides a summary of the scientific output of the researchers at SEO. It clearly shows the societal impact of the research at SEO by its large number of publications in a variety of journals that address a diverse readership.

		2016	2017	2018	2019	2020	2021
Articles in journals	refereed	13	14	8	12	4	4
	non-refereed	15	1	21	28	24	26
	professional	10	24	14	10	7	10
	popular	7	10	6	7	11	5
Reports	non-refereed	56	56	60	88	87	86
PhD theses		0	0	0	1	1	0
Total		101	105	109	146	134	132

B

THE RESEARCH PROGRAMMES

4. UvA-ECONOMETRICS

Programme director: Prof. dr. F.R. Kleibergen
 Section: Quantitative Economics
 JEL-classification: C1, C2, C3, C4, C5
 Starting date: 1997
 Website: www.ase.uva.nl/uva-econometrics

4.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Aristodemou, E.	dr.	ud	0,60	0,40	-	1
Barendse, S.	dr.	ud	-	-	0,60	1
Boswijk, H.P	prof. dr.	hgl	0,50	0,50	0,50	1
Broda, S.A.	dr.	ud	0,00	0,00	-	1
Bun, M.	dr.	uhd	0,00	0,00	0,03	1
Garderen, K.J. van	dr.	uhd	0,20	0,20	0,20	1
Giersbergen, N.P.A. van	dr.	ud	0,20	0,20	0,20	1
Gooijer, J.G. de	prof. dr.	guest	0,00	0,00	0,00	1
He, Y.	dr.	ud	0,20	0,60	0,60	1
Janssens, E.	msc	phd	0,80	0,80	0,80	2
Juodis, A.	dr.	ud	-	0,20	0,60	1
Keijsers, B.	dr.	ud	0,58	0,54	0,54	1
Kiviet, J.F.	prof. dr.	guest	0,00	0,00	0,00	1
Kleibergen, F.R.	prof. dr.	hgl	0,60	0,60	0,60	1
Kong, L.	msc	phd	0,53	-	-	1
Meier, J.	dr.	ud	-	-	0,20	1
Ophem, J.C.M. van	dr.	uhd	0,50	0,50	0,50	1
Rothfelder, M.	dr.	ud	-	0,20	0,60	1
Schenk, T.	msc	phd	-	0,27	0,80	1
Stephan, S.	msc	phd	0,53	-	-	1
Szini, G.	msc	phd	-	0,27	0,80	1
Ugulava, E.	msc	phd	-	-	0,27	1
Zhang, L.	dr.	ud	-	-	0,20	1
Total 1st flow of funds			3,98	4,21	6,64	
Total 2nd flow of funds			0,80	0,80	0,80	
Total 3rd flow of funds			0,00	0,00	0,00	
Total 1st f.o.f. excl. Ph.D.'s			2,65	3,94	5,37	
Total 1st-3rd flow of funds			4,78	5,01	7,44	
Ph.D. students			2,13	1,07	2,67	

4.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	7
	Non-refereed	0
	Professional	0

	Popular	0
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Conference proceeding		0
PhD theses		2
Total		9

Article in journal – refereed

Boswijk, HP, Cavaliere, G, Georgiev, I & Rahbek, A 2021, 'Bootstrapping non-stationary stochastic volatility', *Journal of Econometrics*, vol. 224, no. 1, pp. 161-180. <https://doi.org/10.1016/j.jeconom.2021.01.005>

Broda, SA & Arismendi Zambrano, J 2021, 'On quadratic forms in multivariate generalized hyperbolic random vectors', *Biometrika*, vol. 108, no. 2, pp. 413–424. <https://doi.org/10.1093/biomet/asaa067>

Bun, M. J. G. & Kleibergen, F. (2021). Identification robust inference for moments-based analysis of linear dynamic panel data models. *Econometric Theory*. <https://doi.org/10.1017/S026646662100027X>

de Gooijer, JG 2021, 'Asymmetric vector moving average models: Estimation and testing', *Computational Statistics*, vol. 36, no. 2, pp. 1437–1460. <https://doi.org/10.1007/s00180-020-01056-1>

De Gooijer, JG & Reichardt, H 2021, 'A multi-step kernel-based regression estimator that adapts to error distributions of unknown form', *Communications in Statistics: Theory and Methods*, vol. 50, no. 24, pp. 6211-6230. <https://doi.org/10.1080/03610926.2020.1741625>

Juodis, A, Karabiyik, H & Westerlund, J 2021, 'On the robustness of the pooled CCE estimator', *Journal of Econometrics*, vol. 220, no. 2, pp. 325-348. <https://doi.org/10.1016/j.jeconom.2020.06.002>

Juodis, A & Poldermans, RW 2021, 'Backward mean transformation in unit root panel data models', *Economics Letters*, vol. 201, 109780. <https://doi.org/10.1016/j.econlet.2021.109780>

Kleibergen, F 2021, 'Efficient size correct subset inference in homoskedastic linear instrumental variables regression', *Journal of Econometrics*, vol. 221, no. 1, pp. 78-96. <https://doi.org/10.1016/j.jeconom.2019.10.013>

PhD theses

Kong, L 2021, 'Identification robust testing in linear factor models'.

Stephan, LS 2021, 'Estimating diffusion and adoption parameters in networks: New estimation approaches for the latent-diffusion-observed-adoption model'.

Editorial work

Kleibergen, F.R. (Member of editorial board), *Journal of Econometrics* (Journal)

Kleibergen, F.R. (Member of editorial board), *Journal of Financial Econometrics* (Journal)

5. EQUILIBRIUM, EXPECTATIONS & DYNAMICS

Programme director: Prof. dr. C.G.H. Diks
 Section: Quantitative Economics
 JEL-Classification: C, D, E6
 Starting date: 1998
 Website: <http://cendef.uva.nl>

5.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Arioli, R.	msc	guest	0,00	0,00	0,00	1
Amman, H.M.	prof. dr.	hgl	0,00	0,00	0,00	1
Basurto, A.	msc	guest	0,00	0,00	-	1
Diks, C.	prof. dr.	hgl	0,50	0,50	0,50	1
Di Francesco, T.	msc	phd	-	-	0,33	2
Fang, H.	dr.	guest	0,00	0,00	0,00	1
Goy, G.	dr.	guest	0,00	0,00	0,00	1
Greimel, F.	dr.	ud	-	0,28	0,60	1
Grimaud, A.	msc	phd	-	0,00	0,00	1
Hennequin, M.	msc	postdoc	0,53	0,53	-	1
Hommes, C.H.	prof. dr.	hgl	0,70	0,70	0,60	1
Huber, S.	dr.	ud	0,60	0,57	0,51	1
Jong, J. de	msc	phd	0,80	0,62	0,00	1
Kopányi, D.	dr.	guest	0,00	-	-	1
Kopányi-Peuker, A.	dr.	guest	0,00	0,00	0,00	1
Koster, M.A.L.	dr.	uhd	0,20	0,20	0,20	1
Kreuzmair, S.	msc	phd	-	-	0,27	1
Leij, M. van der	dr.	uhd	0,50	0,33	-	1
Levelt, E.	msc	phd	0,34	1,00	0,67	2
Li, H.	msc	phd	0,00	0,00	0,00	1
Maglicic, M.	msc	phd	-	-	0,33	2
Meertens, Q.	msc	phd	0,00	0,00	0,00	1
Minina, D.	msc	phd	-	0,27	0,80	1
Negriu, A.	msc	phd	0,00	0,00	-	1
Neunhoeffler, F.	msc	phd	0,00	0,00	0,00	1
Ozden, T.	msc	phd	0,80	0,53	0,00	1
Punder, R. de	msc	phd	-	-	0,27	1
Ramer, R.	dr.	guest	0,00	0,00	0,00	1
Ruiter, A.	drs.	guest	0,00	0,00	0,00	1
Salle, I.	dr.	postdoc	0,17	-	-	2
Salle, I.	dr.	guest	0,00	-	-	1
Sloot, P.	prof. dr.	hgl	0,14	-	-	1
Tartwijk, S. van	msc	phd	-	-	0,27	1
Tinnefeld, F.	msc	phd	-	-	0,00	2
Titton, A.	msc	phd	-	-	0,27	1
Tuinstra, J.	prof. dr.	hgl	0,50	0,50	0,50	1
Turco, E.	msc	phd	1,00	0,67	0,00	1
Wagener, F.	dr.	uhd	0,50	0,50	0,50	1
Wang, J.	msc	guest	0,00	-	-	1
Wolski, M.	msc	guest	0,00	0,00	0,00	1

Total 1st flow of funds	6,77	6,20	5,29
Total 2nd flow of funds	0,51	1,00	1,33
Total 3rd flow of funds	0,00	0,00	0,00
Total 1st f.o.f. excl. Ph.D.'s	4,17	4,11	3,68
Total 1st-3rd flow of funds	7,28	7,20	6,62
Ph.D. students	2,94	3,09	3,21

5.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	11
	Non-refereed	0
	Professional	0
	Popular	0
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Conference proceedings		1
PhD theses		7
Total		19

Article in journal – refereed

Assenza, T, Heemeijer, P, Hommes, CH & Massaro, D 2021, 'Managing self-organization of expectations through monetary policy: A macro experiment', *Journal of Monetary Economics*, vol. 117, pp. 170-186. <https://doi.org/10.1016/j.jmoneco.2019.12.005>

Bao, T, Hommes, C & Pei, J 2021, 'Expectation formation in finance and macroeconomics: A review of new experimental evidence', *Journal of Behavioral and Experimental Finance*, vol. 32, 100591. <https://doi.org/10.1016/j.jbef.2021.100591>

Brandts, J, El Baroudi, S, Huber, SJ & Rott, C 2021, 'Gender differences in private and public goal setting', *Journal of Economic Behavior & Organization*, vol. 192, pp. 222-247. <https://doi.org/10.1016/j.jebo.2021.09.012>

Broer, H, Hanßmann, H & Wagener, FOO 2021, 'Normal resonances in a double Hopf bifurcation', *Indagationes Mathematicae*, vol. 32, no. 1, pp. 33-54. <https://doi.org/10.1016/j.indag.2020.09.003>

Fang, Z., Wolski, M. Human capital, energy and economic growth in China: Evidence from multivariate nonlinear Granger causality tests. *Empirical Economics* 60, 607–632 (2021). <https://doi.org/10.1007/s00181-019-01781-7>

Hodbod, A, Hommes, C, Huber, SJ & Salle, I 2021, 'The COVID-19 consumption game-changer: Evidence from a large-scale multi-country survey', *European Economic Review*, vol. 140, 103953. <https://doi.org/10.1016/j.eurocorev.2021.103953>

Hommes, C, Kopányi-Peuker, A & Sonnemans, J 2021, 'Bubbles, crashes and information contagion in large-group asset market experiments', *Experimental Economics*, vol. 24, no. 2, pp. 414–433. <https://doi.org/10.1007/s10683-020-09664-w>

Hommes, C & Makarewicz, T 2021, 'Price level versus inflation targeting under heterogeneous expectations: A laboratory experiment', *Journal of Economic Behavior and Organization*, vol. 182, pp. 39-82. <https://doi.org/10.1016/j.jebo.2020.11.011>

Hommes, C 2021, 'Behavioral and experimental macroeconomics and policy analysis: A complex systems approach', *Journal of Economic Literature*, vol. 59, no. 1, pp. 149-219. <https://doi.org/10.1257/jel.20191434>

Mattsson, CES, Takes, FW, Heemskerk, EM, Diks, C, Buiten, G, Faber, A & Sloot, PMA 2021, 'Functional Structure in Production Networks', *Frontiers in Big Data*, vol. 4, 666712. <https://doi.org/10.3389/fdata.2021.666712>

Oostenbroek, MHW, van der Leij, MJ, Meertens, QA, Diks, CGH & Wortelboer, HM 2021, 'Link-based influence maximization in networks of health promotion professionals', *PLoS ONE*, vol. 16, no. 8, e0256604. <https://doi.org/10.1371/journal.pone.0256604>

S. Ter Ellen, C.H. Hommes and R.C.J. Zwinkels, (2021), Comparing behavioural heterogeneity across asset classes, *Journal of Economic Behavior & Organization* 185, 747-769.

Wagener, F & de Zeeuw, A 2021, 'Stable partial cooperation in managing systems with tipping points', *Journal of Environmental Economics and Management*, vol. 109. <https://doi.org/10.1016/j.jeem.2021.102499>

PhD theses

Grimaud, A 2021, 'On expectations, heterogeneity and the Phillips curve: Three essays in New Keynesian economics'.

Levelt, EM 2021, 'Essays on expectations'.

Li, H 2021, 'Dependence in financial and high-dimensional time series'.

Meertens, Q 2021, 'Misclassification Bias in Statistical Learning'.

Neunhoeffer, F 2021, 'Cognitive biases in expectation formation: Lab evidence on redistribution preferences, financial forecasting, and subscription traps'.

Özden, T 2021, 'Adaptive learning and macroeconomic policy in DSGE models'.

Turco, EM 2021, 'The stagnation-financialization paradox: Understanding a modern puzzle through complex systems'.

Conference papers

Kloos, K, Meertens, Q, Scholtus, S & Karch, J 2021, Comparing correction methods to reduce misclassification bias. in M Baratchi, L Cao, WA Kusters, J Lijffijt, JN van Rijn & FW Takes (eds), *Artificial Intelligence and Machine Learning: 32nd Benelux Conference, BNAIC/Benelearn 2020, Leiden, The Netherlands, November 19–20, 2020 : revised selected papers*. Communications in Computer and Information Science, vol. 1398, Springer, Cham, pp. 64-90, 32nd Benelux Conference on Artificial Intelligence and Belgian-Dutch Conference on Machine Learning, BNAIC/Benelearn 2020, Virtual, Online, 19/11/20. https://doi.org/10.1007/978-3-030-76640-5_5

Editorial work

Amman, H, Editor-in-Chief *Computational Economics*

Diks, C, Associate Editor *Studies in Nonlinear Dynamics and Econometrics*

Hommes, C, Associate Editor *Journal of Economic Interaction and Coordination*, Honorary Editor *Journal of Economic Dynamics & Control* and Co-editor *Macroeconomic Dynamics*

Salle, I, Associate Editor *Journal of Economic Dynamics & Control* and *Journal of Economic Interaction and Coordination*

Tuinstra, J, Associate Editor *Journal of Economic Dynamics & Control*

Wagener, F, Associate Editor *Dynamic Games and Applications* and Editor *Review of Behavioral Economics*

6. ACTUARIAL SCIENCE & MATHEMATICAL FINANCE

Programmeme director: Prof. dr. ir. M.H. Vellekoop
 Section: Quantitative Economics
 JEL-classification: C, G2
 Starting date: 1989
 Website: www.ase.uva.nl/act

6.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Antonio, K.	dr.	ud	0,10	0,10	0,10	1
Aygun, M.	msc	phd	-	-	0,27	2
Bazhba, M.	dr.	postdoc	-	0,23	0,80	2
Berkum, F. van	dr.	ud	0,11	0,11	0,11	3
Bilsen, S. van	dr.	ud	0,21	0,18	0,15	3
Bilsen, S. van	dr.	ud	0,50	0,50	0,50	1
Boonen, T.	dr.	ud	0,50	0,50	0,50	1
Can, U.	dr.	ud	0,50	0,50	0,50	1
Dillschneider, Y.	dr.	ud	-	-	0,20	1
Gastel, L. van	dr.	ud	0,11	0,07	0,07	3
Jin, G.	msc	phd	-	-	0,80	2
Kaas, R.	prof. dr.	guest	0,00	0,00	-	1
Karim, R.	msc	phd	0,27	0,80	0,80	1
Kloek, T.G.	msc	guest	0,00	0,00	0,00	1
Laeven, R.	prof. dr.	hgl	0,10	0,70	0,50	2
Laeven, R.	prof. dr.	hgl	0,45	-	0,20	1
Linders, D.	dr.	postdoc	0,10	0,40	-	3
Linders, D.	dr.	ud	-	-	0,60	1
Pelsser, A.	prof. dr.	bijz. hgl	-	0,05	0,05	3
Ronner, A.E.	prof. dr.	bijz. hgl	0,05	0,00	-	1
Schumacher, J.M.	prof. dr.	guest	0,00	0,00	0,00	1
Vellekoop, M.	prof. dr.	hgl	0,50	0,50	0,50	1
Verschuren, R.	msc	phd	0,80	0,80	0,80	3
Vladimirov, E.	msc	phd	0,27	0,80	0,80	1
Yang, L.	dr.	ud	0,60	0,50	-	1
Yue, Y.	msc	phd	0,00	0,00	0,00	3
Total 1st flow of funds			3,29	4,20	4,70	
Total 2nd flow of funds			0,00	0,93	2,37	
Total 3rd flow of funds			1,61	1,56	1,18	
Total 1st f.o.f. excl. Ph.D.'s			3,02	2,60	3,15	
Total 1st-3rd flow of funds			4,90	6,69	8,25	
Ph.D. students			1,07	2,40	3,47	

6.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	12

	Non-refereed	0
	Professional	4
	Popular	0
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Report	Professional	0
Conference proceedings		0
PhD theses		0
Total		16

Article in journal – refereed

Asimit, AV, Boonen, TJ, Chi, Y & Chong, WF 2021, 'Risk Sharing with Multiple Indemnity Environments', *European Journal of Operational Research*, vol. 295, no. 2, pp. 587-603. <https://doi.org/10.1016/j.ejor.2021.03.012>

Bellini, F, Laeven, RJA & Rosazza Gianin, E 2021, 'Dynamic robust Orlicz premia and Haezendonck-Govaerts risk measures', *European Journal of Operational Research*, vol. 291, no. 2, pp. 438-446. <https://doi.org/10.1016/j.ejor.2019.08.049>

Boonen, TJ & Ghossoub, M 2021, 'Optimal reinsurance with multiple reinsurers: distortion risk measures, distortion premium principles, and heterogeneous beliefs', *Insurance: Mathematics & Economics*, vol. 101, no. A, pp. 23-37. <https://doi.org/10.1016/j.insmatheco.2020.06.008>

Boonen, TJ, Liu, F & Wang, R 2021, 'Competitive equilibria in a comonotone market', *Economic Theory*, vol. 72, no. 4, pp. 1217-1255. <https://doi.org/10.1007/s00199-020-01319-4>

Boonen, TJ, Cheung, KC & Zhang, Y 2021, 'Bowley reinsurance with asymmetric information on the insurer's risk preferences', *Scandinavian Actuarial Journal*, vol. 2021, no. 7, pp. 623-644. <https://doi.org/10.1080/03461238.2020.1867631>

Boonen, TJ & Zhang, Y 2021, 'Optimal reinsurance design with distortion risk measures and asymmetric information', *ASTIN Bulletin*, vol. 51, no. 2, pp. 607-629. <https://doi.org/10.1017/asb.2021.8>

Boonen, TJ, Tan, KS & Zhuang, SC 2021, 'Optimal reinsurance with multiple reinsurers: competitive pricing and coalition stability', *Insurance: Mathematics & Economics*, vol. 101, no. Part B, pp. 302-319. <https://doi.org/10.1016/j.insmatheco.2021.08.005>

Ikefuji, M, Laeven, RJA, Magnus, JR & Muris, C 2021, 'DICE simplified', *Environmental Modeling & Assessment*, vol. 26, pp. 1-12. <https://doi.org/10.1007/s10666-020-09738-2>

Laeven, RJA, Milevsky, MA, Scherer, M, Zagst, R & Zhou, XY 2021, 'Editorial to the special issue on Behavioral Insurance: Mathematics and Economics', *Insurance: Mathematics & Economics*, vol. 101, pp. 1-5. <https://doi.org/10.1016/j.insmatheco.2021.06.001>

Mourdoukoutas, F, Boonen, TJ, Koo, B & Pantelous, AA 2021, 'Pricing in a Competitive Stochastic Insurance Market', *Insurance: Mathematics & Economics*, vol. 97, pp. 44-56. <https://doi.org/10.1016/j.insmatheco.2021.01.003>

van Berkum, F, Antonio, K & Vellekoop, M 2021, 'Quantifying longevity gaps using micro-level lifetime data', *Journal of the Royal Statistical Society. Series A: Statistics in Society*, vol. 184, no. 2, pp. 548-570. <https://doi.org/10.1111/rssa.12631>

Verschuren, RM 2021, 'Predictive claim scores for dynamic multi-product risk classification in insurance', *ASTIN Bulletin*, vol. 51, no. 1, pp. 1-25. <https://doi.org/10.1017/asb.2020.34>

Professional publications

Boonen, T 2021, 'Volatile allocations', *The Actuary*, vol. 2021, no. Jan/Feb, pp. 20-23. <https://www.theactuary.com/2021/02/03/january-february-2021-digital-issue>

van Bilsen, S, Mehlkopf, R & Pelsser, A 2021, 'De Voordelen van de Solidariteitsreserve Onttrafeld', *VBA Journaal*, vol. 37, no. 148, pp. 45-52. https://cfavba.nl/uploads/vbajournaal/compleet/2021/TOT_VBA%20Journaal%20Winter%202021%20nr%20148_DEF.pdf

Yang, L, Pelsser, A & Vellekoop, M 2021, *The Recovery Potential for Underfunded Pension Plans*. Netspar Design Paper, no. 190, Netspar Industry Series, Netspar, Tilburg. <https://www.netspar.nl/en/publication/the-recovery-potential-for-underfunded-pension-plans/>

Commissie Sterfte Onderzoek en Werkgroep 2021, *AG2020 en de impact van de COVID-19-pandemie: Over-en ondersterfte sinds januari 2020*. Koninklijk Actuarieel Genootschap, Utrecht. https://www.ag-ai.nl/view.php?Pagina_Id=1056

Editorial work

Laeven, R.J.A. (Member of editorial board), *Insurance: Mathematics and Economics* (Journal)

7. MInt - MACRO AND INTERNATIONAL ECONOMICS

Programme title	MInt – Macro and International Economics
Name programme director	Prof. dr. F.J.G.M. Klaassen
Department	Economics & Econometrics
JEL-Classification	E, F, H
Website	http://ase.uva.nl/mint

7.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Bats, J.	msc	guest	0,00	0,00	0,00	1
Beetsma, R.	prof. dr.	hgl	0,25	0,25	0,25	1
Beetsma, R.	prof. dr.	hgl	0,25	0,25	0,25	3
Bremer, T. van den	dr.	uhd	-	-	0,03	1
Chen, D.	dr.	postdoc	0,03	-	-	3
Dimitrov, D.	msc	phd	0,80	0,80	0,20	3
Douenne, T.	dr.	ud	-	0,20	0,60	1
Ewijk, C. van	prof. dr.	hgl	0,08	0,08	-	1
Ewijk, C. van	prof. dr.	hgl	0,22	-	-	3
Giuliodori, M.	prof. dr.	hgl	0,50	0,50	0,50	1
Hanson, J.	msc	guest	0,00	0,00	-	1
Horen, N. van	prof. dr.	hgl	-	0,03	0,05	1
Houben, A.	prof. dr.	hgl	0,00	0,00	0,00	1
Hummel, A.	dr.	ud	0,20	0,60	0,60	1
Jager, H.	prof. dr.	guest	0,00	0,00	0,00	1
Kastelein, P.	msc	phd	0,80	0,80	0,17	2
Kehoe, P.J.	msc	guest	0,00	0,00	-	1
Klaassen, F.J.G.M.	prof. dr.	hgl	0,50	0,50	0,50	1
Knot, K.	prof. dr.	hgl	0,00	0,00	0,00	1
Lammers, S.	msc	phd	-	-	0,00	1
Leefmans, N.	drs.	docent	0,00	0,00	0,00	1
Lekniute, Z.	msc	guest	0,00	0,00	-	1
Lengyel, A.	msc	phd	0,27	0,80	0,80	1
Lin, X.	msc	phd	-	-	0,27	1
Lorié, J.A.	dr.	guest	0,00	0,00	0,00	1
Mavus Kutuk, M.	msc	phd	0,27	0,53	0,80	1
Melo Fernandes, C.	msc	phd	0,00	0,00	0,00	1
Mokas, D.	msc	guest	0,00	0,00	0,00	1
Neamtu, I.	msc	phd	0,80	0,53	-	1
Noord, P. van den	dr.	guest	-	0,00	0,00	1
Olijslagers, S.	msc	phd	0,80	0,80	0,30	3
Olsson, J.	dr.	ud	0,20	0,40	-	1
Parlevliet, J.	msc	guest	0,00	0,00	0,00	1
Patault, B.	dr.	ud	-	-	0,24	1
Ploeg, R. van de	prof. dr.	hgl	-	-	0,30	1
Proehl, E.	dr.	ud	0,60	0,60	0,60	1
Romp, W.E.	dr.	ud	0,33	0,50	0,50	1
Salle, I.	dr.	postdoc	-	-	0,20	1
Schmidt, D.	msc	phd	-	0,27	0,80	1
Sommer, K.	msc	phd	-	0,27	0,80	1
Spronsen, J. van	msc	phd	0,80	0,80	0,47	1

Stoltenberg, C.A.	dr.	uhd	0,50	0,50	0,50	1
Timm, L.	msc	phd	-	-	0,27	1
Veestraeten, D.	dr.	ud	0,20	0,20	0,00	1
Vijlbrief, J.A.	prof. dr.	hgl	0,00	0,00	-	1
Vos, S.J.	drs.	guest	0,00	0,00	0,00	1
Wijnbergen, S.J.G.	prof. dr.	hgl	0,50	0,50	0,13	1
Wohrmuller, S.	msc	phd	0,27	0,80	0,80	1
Zhuo, R.	msc	guest	0,00	0,00	0,00	1
Zouain Pedroni, M.	dr.	ud	0,60	0,60	0,60	1
Total 1st flow of funds			6,87	8,72	12,14	
Total 2nd flow of funds			0,80	0,80	0,17	
Total 3rd flow of funds			2,10	1,85	0,75	
Total 1st f.o.f. excl. Ph.D.'s			5,00	5,23	5,60	
Total 1st-3rd flow of funds			9,77	11,37	13,06	
Ph.D. students			4,81	5,86	5,68	

7.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	8
	Non-refereed	1
	Professional	1
	Popular	7
Books or book chapters	Refereed	1
	Non-refereed	0
	Professional	0
	Popular	0
Reports	Professional	0
Conference proceedings		0
PhD theses		5
Total		23

Article in journal – refereed

Beetsma, R, Burgoon, B, Nicoli, F, de Ruijter, A & Vandenbroucke, F 2021, 'Public support for European cooperation in the procurement, stockpiling and distribution of medicines', *European Journal of Public Health*, vol. 31, no. 2, pp. 253–258. <https://doi.org/10.1093/eurpub/ckaa201>

Beetsma, R, Giuliodori, M, Hanson, J & de Jong, F 2021, 'The Maturity of Sovereign Debt Issuance in the Euro Area', *Journal of International Money and Finance*, vol. 110, 102293. <https://doi.org/10.1016/j.jimonfin.2020.102293>

Beetsma, R, Cima, S & Cimadomo, J 2021, 'Fiscal transfers without moral hazard?', *International Journal of Central Banking*, vol. 17, no. 3, pp. 95-153. <<https://www.ijcb.org/journal/ijcb21q3a3.htm>>

Beetsma, RMWJ, Furtuna, O, Giuliodori, M & Mumtaz, H 2021, 'Revenue- versus spending-based fiscal consolidation announcements: multipliers and follow-up', *Journal of International Economics*, vol. 131, 103455. <https://doi.org/10.1016/j.jinteco.2021.103455>

Beetsma, RMWJ, Komada, O, Makarski, K & Tyrowicz, J 2021, 'The political (in)stability of funded social security', *Journal of Economic Dynamics & Control*, vol. 133, 104237. <https://doi.org/10.1016/j.jedc.2021.104237>

Bremer, T.S. van den, & van der Ploeg, F. (2021). The Risk-Adjusted Carbon Price, *American Economic Review*, 111(9), 2782-2810, <https://www.aeaweb.org/articles?id=10.1257/aer.20180517>

Claessens, S & van Horen, N 2021, 'Foreign banks and trade', *Journal of Financial Intermediation*, vol. 45, 100856. <https://doi.org/10.1016/j.jfi.2020.100856>

Codogno, L & van den Noord, P 2021, 'Going Fiscal? A Stylised Model with Fiscal Capacity and a Safe Asset in the Eurozone', *Review of Economics & Finance*, vol. 19, no. 1, pp. 54-72. <https://doi.org/10.35341/1923-7529.2021.19.07>

Hodbod, A, Hommes, C, Huber, SJ & Salle, I 2021, 'The COVID-19 consumption game-changer: Evidence from a large-scale multi-country survey', *European Economic Review*, vol. 140, 103953. <https://doi.org/10.1016/j.eurocorev.2021.103953>

Jakucionyte, E., & van Wijnbergen, S. (2021). The macroeconomics of carry trade gone wrong: Corporate and consumer losses in Emerging Europe. *Economics of Transition and Institutional Change*. <https://doi.org/10.1111/ecot.12316>

Vestraeten, D. J. M. (2021). Some Laplace transforms and integral representations for parabolic cylinder functions and error functions. *Hacettepe Journal of Mathematics & Statistics*, 50(1), 63-78. <https://doi.org/10.15672/hujms.612642>

Article in journal – non-refereed

van den Noord, P 2021, 'Groene begrotingsnormen nodig voor de Europese Green Deal', *Economisch-Statistische Berichten*, vol. 106, no. 4800, pp. 368-370. <https://esb.nu/esb/20062495/groene-begrotingsnormen-nodig-voor-de-europese-green-deal?utm_medium=social&utm_source=linkedin&utm_campaign=SHR_ARTT_20210409&utm_content=ESB>

Professional publications

Timmermans, Y & van den Noord, P, *Gold \$3,000?*, 2021, Web publication/site, CFA Institute. <<https://blogs.cfainstitute.org/investor/2021/01/11/gold-3000/>>

Popular publications

Beetsma, RMWJ & Boot, AWA 2021, 'Nieuwe steun ondermijnt start-ups en stuurt talent verkeerde kant op', *Het Financieele Dagblad*, pp. 24.

Beetsma, RMWJ, Boot, AWA & Teulings, CN 2021, 'Zet Invest-NL en Groeifonds om in investeringsbank', *Het Financieele Dagblad*, pp. 20. <<https://fd.nl/opinie/1406879/zet-invest-nl-en-groeifonds-om-in-investeringsbank-scj1caHHvdOM>>

Beetsma, RMWJ & Gradus, R 2021, 'Krappe arbeidsmarkt vraagt om snelle afbouw coronasteun', *Reformatorisch dagblad*. <<https://www.rd.nl/artikel/938099-krappe-arbeidsmarkt-vraagt-om-snelle-afbouw-coronasteun>>

Beetsma, RMWJ & van Wijnbergen, SJG 2021, 'Een nieuw pensioenstelsel? Het huidige systeem functioneert uitstekend', *NRC Handelsblad, Opinie*. <<https://www.nrc.nl/nieuws/2021/09/01/een-nieuw-pensioenstelsel-het-huidige-systeem-functioneert-uitstekend-a4056744>>

Beetsma, RMWJ & van Wijnbergen, SJG 2021, 'Nu pensioenen indexeren is greep in de kas door ouderen', *NRC Handelsblad, Opinie*. <<https://www.nrc.nl/nieuws/2021/11/10/nu-pensioenen-indexeren-is-greep-in-de-kas-door-ouderen-a4065010>>

Beetsma, RMWJ & Gradus, R 2021, 'Opnieuw instellen loonsteun werkt averechts', *Reformatisch dagblad*. <<https://www.rd.nl/artikel/951686-opnieuw-instellen-loonsteun-werkt-averechts>>

Boot, AWA & van Wijnbergen, SJG 2021, 'Amsterdamse beurs moet op zoek naar legitieme business', *Het Financieel Dagblad - Opinie & Dialoog*. <<https://fd.nl/opinie/1374958/amsterdamse-beurs-moet-op-zoek-naar-legitieme-business>>

Book chapter

van Leeuwen, B, Földvári, P, Philips, RCM & Wang, M 2021, Regional industrialization: Evidence on industry agglomeration. in B van Leeuwen, RCM Philips & E Buyst (eds), *An Economic History of Regional Industrialization*. Routledge Explorations in Economic History, Routledge, London, pp. 228-259. <https://doi.org/10.4324/9780367197537-14>

PhD theses

Bats, JV 2021, 'Monetary policy transmission in unconventional times: The role of financial structure'.

Knoppel, MCJ 2021, 'Contagion in housing markets'.

Melo Fernandes, C 2021, 'Essays on macroeconomic uncertainty and on the effects of regulatory incentives in the euro area'.

Neamțu, I 2021, 'Unintended consequences of post-crisis banking reforms'.

Parlevliet, J 2021, 'Contested reform in the European Monetary Union: Lessons from the Netherlands'.

Editorial work

Proehl, E. (Reviewer), *Journal of Economic Dynamics & Control* (Journal)

Proehl, E. (Reviewer), *Decisions in Economics and Finance* (Journal)

8. HUMAN CAPITAL

Programme director:	Prof. dr. E. Plug
Section:	Microeconomics
JEL-classification:	I, J, L
Starting date:	2001
Website:	www.ase.uva.nl/hum

8.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Azevedo, L. de	msc	phd	0,80	0,80	0,43	1
Booij, A.S.	dr	ud	0,50	0,50	0,50	1
Buser, T.	prof. dr.	hgl	0,07	0,90	0,90	2
Buser, T.	dr.	uhd	0,46	-	-	1
Geijtenbeek, L.	msc	phd	0,00	0,00	-	1
Haan, M. de	prof. dr.	hgl	-	-	0,20	1
Hartog, J.	prof. dr.	guest	0,00	0,00	-	1
Iliciukas, J.	msc	phd	-	0,27	0,80	2
Meulen, S. ter	msc	phd	0,80	0,80	0,25	1
Oosterbeek, H.	prof. dr.	hgl	0,01	-	-	2
Oosterbeek, H.	prof. dr.	hgl	0,50	0,50	0,50	1
Plug, E.J.S.	dr.	hgl	0,50	0,50	0,50	1
Praag, B.M.S. van	prof. dr.	guest	0,00	0,00	0,00	1
Rossi, P.	dr.	ud	0,80	0,60	0,00	2
Signorelli, S.	dr.	ud	-	-	0,20	1
Sorrenti, G.	dr.	ud	-	0,60	0,60	1
Totarelli, M.	msc	phd	-	-	0,27	1
Varela Varela, A.	dr.	ud	-	-	0,20	1
Xiao, Y.	msc	phd	0,27	0,80	0,80	1
Yuan, H.	msc	phd	0,80	0,80	0,00	1
Zhong, Y.	msc	phd	-	0,27	0,80	2
Subprogramme TIER						
Maassen van den Brink, H.	prof. dr.	guest	1,00	0,58	0,00	2
Vooren, M. van	dr.	oz	0,80	0,03	-	2
Subprogramme AIID						
Pradhan, M.P.	prof. dr.	hgl	0,15	0,15	0,20	1
Pradhan, M.P.	prof. dr.	hgl	0,20	0,20	0,12	3
Total 1st flow of funds			3,25	5,45	4,65	
Total 2nd flow of funds			2,61	2,65	2,50	
Total 3rd flow of funds			0,20	0,20	0,12	
Total 1st f.o.f. excl. Ph.D.'s			1,65	2,25	2,90	
Total all flows of funds			6,06	8,30	7,27	
Ph.D. students			1,60	3,74	3,35	

8.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	11

	Non-refereed	1
	Professional	1
	Popular	2
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Conference proceedings		0
PhD theses		0
Total		15

Article in journal – refereed

Artmann, E, Ketel, N, Oosterbeek, H & van der Klaauw, B 2021, 'Field of study and partner choice', *Economics of Education Review*, vol. 84, 102149. <https://doi.org/10.1016/j.econedurev.2021.102149>

Barbetta, GP, Sorrenti, G & Turati, G 2021, 'Multigrading and Child Achievement', *Journal of Human Resources*, vol. 56, no. 3, pp. 940-968. <https://doi.org/10.3368/jhr.56.3.0118-9310R4>

Beatty, A, Berkhout, E, Bima, L, Pradhan, M & Suryadarma, D 2021, 'Schooling progress, learning reversal: Indonesia's learning profiles between 2000 and 2014', *International Journal of Educational Development*, vol. 85, 102436. <https://doi.org/10.1016/j.ijedudev.2021.102436>

Del Boca, D, Pronzato, C & Sorrenti, G 2021, 'Conditional cash transfer programs and household labor supply', *European Economic Review*, vol. 136, 103755. <https://doi.org/10.1016/j.euroecorev.2021.103755>

Du, H, Xiao, Y & Zhao, L 2021, 'Education and Gender Role Attitudes', *Journal of Population Economics*, vol. 34, no. 2, pp. 475–513. <https://doi.org/10.1007/s00148-020-00793-3>

Egebark, J, Ekström, M, Plug, E & van Praag, M 2021, 'Brains or beauty? Causal evidence on the returns to education and attractiveness in the online dating market', *Journal of Public Economics*, vol. 196, 104372. <https://doi.org/10.1016/j.jpubeco.2021.104372>

Janssens, W, Pradhan, M, de Groot, R, Sidze, E, Donfouet, HPP & Abajobir, A 2021, 'The short-term economic effects of COVID-19 on low-income households in rural Kenya: An analysis using weekly financial household data', *World Development*, vol. 138, 105280. <https://doi.org/10.1016/j.worlddev.2020.105280>

Oosterbeek, H, Sóvágó, S & van der Klaauw, B 2021, 'Preference heterogeneity and school segregation', *Journal of Public Economics*, vol. 197, 104400. <https://doi.org/10.1016/j.jpubeco.2021.104400>

Oosterbeek, H, ter Meulen, S & van der Klaauw, B 2021, 'Long-term effect of school-starting-age rules', *Economics of Education Review*, vol. 84, 102144. <https://doi.org/10.1016/j.econedurev.2021.102144>

Sambodo, NP, Van Doorslaer, E, Pradhan, M & Sparrow, R 2021, 'Does geographic spending variation exacerbate healthcare benefit inequality? A benefit incidence analysis for Indonesia', *Health Policy and Planning*, vol. 36, no. 7, pp. 1129-1139. <https://doi.org/10.1093/heapol/czab015>

van Praag, BMS & Hop, JP 2021, 'Demography and Provisions for Retirement: The Pension Composition, a Behavioral Approach', *Journal of Demographic Economics*, vol. 87, no. 1, pp. 1-31. <https://doi.org/10.2139/ssrn.3200406>, <https://doi.org/10.1017/dem.2020.22>

Article in journal – non-refereed

Signorelli, S 2021, *Skilled immigration : A solution to labor shortages?* IPP Policy Brief, no. n° 63, IPP, Paris. <<https://www.ipp.eu/en/publication/skilled-immigration-a-solution-to-labor-shortages/>>

Professional publications

van Praag, B & Hemmers, H 2021, 'Ook bij indexatie waren pensioenfondsen vol geweest', *Economisch-Statistische Berichten*, vol. 106, no. 4797, pp. 253. <<https://esb.nu/esb/20062398/ook-bij-indexatie-waren-pensioenfondsen-vol-geweest>>

Popular publications

Signorelli, S, *La numérisation du travail : Vers le chômage de masse ou une prospérité renouvelée?*, 2021, Web publication/site, BSI Economics (think thank). <<http://www.bsi-economics.org/1331-la-numerisation-du-travail-vers-le-chomage-de-masse-ou-une-prosperite-renouvelee-note>>

Signorelli, S, *Changement technologique et marché du travail : Leçons des 40 dernières années*, 2021, Web publication/site, BSI Economics (think thank). <<http://www.bsi-economics.org/1256-changement-technologique-et-marche-du-travail-lecons-des-40-dernieres-annees-note>>

9. EXPERIMENTAL & POLITICAL ECONOMICS (CREED)

Programme director: prof. dr. J. Sonnemans

Section: Microeconomics

JEL-classification:

Starting date: 1991

Website: <https://www.creedexperiment.nl/creed/>

9.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Akdeniz, A.	msc	phd	0,80	0,70	0,00	1
Amasino, D.	dr.	postdoc	0,27	0,80	0,80	2
Brütt, K.	msc	phd	0,80	0,80	0,80	2
Dreu, C. de	prof. dr.	hgl	0,20	0,20	0,20	1
Engelmann, J.	dr.	uhd	0,50	0,50	0,50	1
Feltham, O.	msc	phd	-	-	0,13	1
Federica Farolfi	dr.	guest	0	0	0	1
Gneezy, U.	prof. dr.	hgl	0,20	0,13	-	1
Graser, C.	msc	phd	0,27	0,80	0,80	1
Hausfeld, J.	dr.	ud	-	0,20	0,60	1
Hirmas Frisius, A.	msc	phd	0,27	0,80	0,80	1
Ioannidis, K	msc	phd	0,80	0,71	0,00	1
Kobis, N.	dr.	postdoc	0,80	0,53	-	2
Lee, N.	dr.	ud	0,00	0,60	0,60	1
Leib, M.	msc	postdoc	0,80	0,80	0,80	2
Mol, J.	dr.	postdoc	-	-	0,77	2
Molho, C.	dr.	postdoc	-	-	0,47	2
Mermer, G.	dr.	postdoc	0,80	0,40	0,40	2
Nelidov, V.	msc	phd	0,70	-	-	1
Offerman, T.J.S.	prof. dr.	hgl	0,50	0,50	0,50	1
Pace, D.	msc	phd	0,60	0,80	0,73	2
Ringdal, C.	dr.	postdoc	0,80	0,53	-	2
Romagnoli, G.	dr.	ud	0,60	0,60	0,60	1
Schram, A.J.H.C.	prof. dr.	hgl	0,20	0,20	0,20	1
Shalvi, S.	prof. dr.	hgl	0,66	0,43	0,80	2
Sonnemans, J.	prof. dr.	hgl	0,50	0,50	0,50	1
Sorraperra, I.	dr.	postdoc	0,80	0,53	0,67	2
Ting, C.	msc	phd	0,53	-	-	1
Ule, A.	dr.	ud	0,20	0,20	0,20	1
Veelen, C.M. van	prof. dr.	hgl	0,50	0,50	0,50	1
Vu, L.	msc	phd	-	0,13	0,80	2
Weele, J. van der	dr.	ud	0,80	0,80	0,80	2
Winden, F.A.A.M. van	prof. dr.	guest	0,00	0,00	0,00	1
Ziegler, A.	msc	phd	0,80	0,80	0,60	1
Total 1st flow of funds			7,57	7,94	6,73	
Total 2nd flow of funds			7,13	6,55	7,84	
Total 3rd flow of funds			0,00	0,00	0,00	
Total 1st f.o.f. excl. Ph.D.'s			3,40	4,13	4,40	
Total 1st-3rd flow of funds			14,70	14,49	14,57	

9.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	20
	Non-refereed	0
	Professional	0
	Popular	0
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Conference proceedings		1
PhD theses		3
Total		21

Article in journal – refereed

Alós-Ferrer, C, Buckenmaier, J & Farolfi, F 2021, 'Imitation, network size, and efficiency', *Network Science*, vol. 9, no. 1, pp. 123-133. <https://doi.org/10.1017/nws.2020.43>

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PhD theses

Leib, M 2021, '(Dis)honesty in individual and collaborative settings: A behavioral ethics approach'.

Ting, C 2021, 'Learning in affective contexts: The impact of incidental anxiety and outcome valence on decision-making and confidence'.

Woerner, ARS 2021, 'Behavioral and financial change: Essays in market design'.

Talk or presentation

Amasino, DR, Pace, DD & van der Weele, JJ 2021, 'Fair shares and selective attention', NeuroPsychoEconomics Conference 2021, Amsterdam, Netherlands, 10/06/21 - 12/06/21 pp. 17.

Editorial work

Arthur Schram (Reviewer), British Journal of Political Science (Journal)

Arthur Schram (Reviewer), Management Science (Journal)

Shaul Shalvi (Editor), Journal of Personality and Social Psychology (Journal)

Shaul Shalvi (Editor), Organizational Behavior and Human Decision Processes (Journal)

Joep Sonnemans (Editorial Board) Journal of Economic Psychology

Joep Sonnemans (Editorial Board) Quantitative Finance

Theo Offerman (Associate editor) Games and Economic Behavior

Theo Offerman (Editorial board) Experimental Economics

10. MARKETS & ORGANIZATIONS

Programme director: Prof. dr. R. Sloof
 Section: Microeconomics
 JEL-classification: L
 Starting date: 2005
 Website: www.ase.uva.nl/mo

10.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Baarsma, B.E.	prof. dr.	guest	0,00	0,00	0,00	1
Dominguez Martinez, S.	dr.	uhd	0,20	0,20	0,20	1
Feltham, O.	msc	phd	-	-	0,13	1
Hinloopen, J.	prof. dr.	guest	0,00	0,00	0,00	1
Kiss, A.	dr.	ud	0,60	0,60	0,60	1
Klein, T.	msc	phd	0,67	-	-	1
Praag, C.M. van	prof. dr.	hgl	0,00	0,00	-	1
Schinkel, M.P.	prof. dr.	hgl	0,50	0,50	0,50	1
Seldeslachts, J.	dr.	uhd	0,00	0,00	0,00	1
Sloof, R.	prof. dr.	hgl	0,50	0,50	0,50	1
Treuren, L.	msc	phd	0,80	0,80	0,01	1
Ven, J. van de	prof. dr.	hgl	0,50	0,50	0,50	1
Total 1st flow of funds			3,77	3,10	2,44	
Total 2nd flow of funds			0,00	0,00	0,00	
Total 3rd flow of funds			0,00	0,00	0,00	
Total 1st f.o.f. excl. Ph.D.'s			2,30	2,30	2,30	
Total all flows of funds			3,77	3,10	2,44	
Ph.D. students			1,47	0,80	0,14	

10.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	3
	Non-refereed	0
	Professional	0
	Popular	0
Books or book chapters	Refereed	0
	Non-refereed	0
	Professional	0
	Popular	0
Conference proceedings		0
PhD theses		0
Total		3

Article in journal – refereed

Bijkerk, SH, Dominguez Martinez, S, Kamphorst, J & Swank, OH 2021, 'Labor Market Quotas when Promotions are Signals', *Journal of labor economics*, vol. 39, no. 2, pp. 437-460. <https://doi.org/10.1086/710358>

Sloof, R & von Siemens, F 2021, 'Effective Leadership and the Allocation and Exercise of Power in Organisations', *Leadership Quarterly*, vol. 32, 1012277. <https://doi.org/10.1016/j.leaqua.2018.12.001>

Sun, J, Schram, A & Sloof, R 2021, 'Elections under biased candidate endorsements — an experimental study', *Games and Economic Behavior*, vol. 125, pp. 141-158. <https://doi.org/10.1016/j.geb.2020.11.004>

11. SEO ECONOMIC RESEARCH

Programme title	SEO Amsterdam Economics
Name programme director	prof. dr. B. ter Weel
JEL-Classification	I, J, L, Q, R
Website	www.seo.nl

11.1 Members of the research group and research in ftes

<i>Name</i>	<i>Title</i>	<i>Function</i>	<i>Total 2019</i>	<i>Total 2020</i>	<i>Total 2021</i>	<i>Funding</i>
Scientific Staff SEO						
Koopmans, C.C.	prof. dr.	hgl	0,80	0,80	0,80	3
Tieben, L.A.W.	dr.	oz	1,00	1,00	1,00	3
Vuuren, D.J. van	prof. dr.	hgl	-	-	0,17	3
Weel, B. ter	prof. dr.	hgl	1,00	1,00	1,00	3
Global Economics						
Belt, T.	msc	oz	0,92	1,00	1,00	3
Bergh-Spinakova, V. van den	drs.	oz	0,07	-	-	3
Bustamante, R.A.	ma	oz	-	-	0,83	3
Jongerius, D.	msc	oz	0,35	-	-	3
Keijser, D.D.	msc	oz	0,38	1,00	1,00	3
Oomes, N.A.	dr.	oz	1,00	1,00	1,00	3
Labour & Education						
Berg, E. van den	drs.	oz	1,00	1,00	1,00	3
Bisschop, P.	msc	oz	1,00	1,00	1,00	3
Bussink, H.	msc	oz	1,00	1,00	1,00	3
Doeve, T.	msc	oz	-	0,08	1,00	3
Graaf, D. de	drs.	oz	0,84	0,84	0,84	3
Heyma, A.O.J.	dr.	oz	1,00	1,00	1,00	3
Kesteren, J.	msc	oz	0,29	1,00	1,00	3
Klinker, I.	msc	oz	-	-	0,21	3
Koppejan, A.	-	oz	0,14	0,28	-	3
Prevo, M.H.G.	dr.	oz	-	-	0,70	3
Stolp, T.H.	dr.	oz	0,42	1,00	0,17	3
Ven, K. van der	msc	oz	1,00	1,00	1,00	3
Vervliet, T.	msc	oz	1,00	1,00	1,00	3
Werff, S.G. van der	msc	oz	1,00	1,00	1,00	3
Zwetsloot, J.	msc	oz	1,00	1,00	0,58	3
Financial markets and Finance						
Bijlsma, M.J.	dr.	oz	-	-	0,92	3
Hers, J.F.P.	drs.	oz	1,00	0,92	-	3
Hof, B.J.F.	drs.	oz	0,78	-	-	3
Lensink, A.	msc	oz	-	-	0,42	3
Ongenae, T.A.	msc	oz	-	-	0,54	3
Rougoor, W.	msc	oz	1,00	0,89	1,00	3
Veld, D. in 't	dr.	oz	-	-	-	3
Verheuve, N.	msc	oz	1,00	1,00	1,00	3

Vlaanderen, M.	msc	oz	0,17	1,00	1,00	3
Witteveen, J.P.	msc	oz	1,00	1,00	1,00	3
Health Care & Social Security						
Athmer, J.A.J.	msc	oz	-	-	0,17	3
Eijkel, R. van	dr.	oz	-	-	0,32	3
Kok, L.M.	drs.	oz	0,84	0,84	0,84	3
Kroon, L.V.	msc	oz	1,00	1,00	1,00	3
Lammers, M.	msc	oz	0,84	0,84	0,21	3
Luiten, W.	msc	oz	1,00	1,00	1,00	3
Odding, A.C.M.	msc	oz	0,25	1,00	0,67	3
Schwartz, T.J.	msc	oz	0,75	1,00	1,00	3
Tempelman, D.C.G.	drs.	oz	0,32	-	-	3
Vermeulen, W.	dr.	oz	-	0,33	1,00	3
Vriend, S.	dr.	oz	0,67	-	-	3
Competition & Innovation						
Behrens, C.	msc	oz	1,00	1,00	1,00	3
Bentham, M. van	dr.	oz	0,58	-	-	3
Brands, D.K.	dr.	oz	-	-	0,60	3
Brouwer, E.	prof. dr.	hgl	1,00	1,00	1,00	3
Jong, G. de	msc	oz	1,00	1,00	0,10	3
Klooster, E.L. van 't	msc	oz	0,21	0,63	-	3
Koeman, N.	msc	oz	1,00	1,00	1,00	3
Konijn, S.	msc	oz	-	0,25	1,00	3
Pel, S.E.	msc	oz	-	-	0,42	3
Smits, T.C.	msc	oz	1,00	1,00	1,00	3
Veld, D.L. in 't	dr.	oz	0,83	-	-	3
Winkelmolen, R.	msc	oz	-	0,33	1,00	3
Aviation Economics						
Adler, M.W.	dr.	oz	-	-	0,33	3
Boonekamp, T.	msc	oz	1,00	1,00	0,84	3
Jongeling, A.	msc	oz	0,25	1,00	1,00	3
Lieshout, R.B.T.	drs.	oz	1,00	1,00	0,50	3
Spijker, V. van	msc	oz	0,83	-	-	3
Zuidberg, J.	msc	oz	1,00	0,35	-	3
Total 1st flow of funds			0,00	0,00	0,00	
Total 2nd flow of funds			0,00	0,00	0,00	
Total 3rd flow of funds			36,53	37,38	40,18	
Total 1st f.o.f. excl. Ph.D.'s			0,00	0,00	0,00	
Total all flows of funds			36,53	37,38	40,18	
Ph.D. students			0,00	0,00	0,00	

11.2 Output

Publications in numbers

Output type	Classification	#
Articles in journals	Refereed	4
	Non-refereed	26

	Professional	10
	Popular	5
Books or book chapters	Refereed	1
	Non-refereed	0
	Professional	0
	Popular	0
Reports	Professional	86
Conference proceedings		0
PhD theses		1
Total		133

Onderzoeksoutput 2021

Research output 2021

Article in journal - refereed

AIS

- 1,30** Douven, R., Remmerswaal, M., & Vervliet, T. (2021). Payment schemes and treatment responses after a demand shock in mental health care. *Health Economics*, 30(12), 2956-2973.
- 1,85** Hilber, C. A. L., Rouwendal, J. & Vermeulen, W. (2021). Local economic conditions and the nature of new housing supply. *Journal of Economic Geography*, 21(3), 339-366
- 0,97** Jong, G. de, & Lieshout, R. (2021). Disruption in the air: The impact of flight rerouting due to air traffic control strikes. *Transportation research part D: transport and environment*, 90, 102665.
- Brands, D., Verhoef, E., Kooiman, G., Bollars, S., & Knockaert, J. (2021). Pcoins - een experiment met verhandelbare mobiliteitsrechten. *Tijdschrift Vervoerswetenschap* 57 (2). p 5-15.

Book / book chapter - refereed

Gielen, A., Webbink, D. & Weel, B. ter (2021). KVS Preadviezen 2021: Ongelijk Nederland, *Preadviezen van de Koninklijke Vereniging voor de Staathuishoudkunde*

Forthcoming

AIS

- 0,64** Bijlsma, M., Cruijssen, C. van der & Jonker, N. (2021). Consumer willingness to share payments data: trust for sale?, *Journal of financial services Research*, accepted for publication
- 1,24** Jong, G. de, Behrens, C., Herk, H. V., & Verhoef, E. (2022). Airfares with codeshares: (why) are consumers willing to pay more for products of foreign firms with a domestic partner? *Journal of Economic Behavior & Organization*, 193, 1-18. <https://doi.org/10.1016/j.jebo.2021.10.027>

Article in journal - non-refereed

Belt, T. & N. Oomes (2021). Nederland geeft van OESO-landen meeste uit aan belastingvoordelen, in: *Economisch Statistische Berichten*, 106(4801), 17 september 2021: <https://esb.nu/kort/20066396/nederland-geeft-van-oeso-landen-meeste-uit-aan-belastingvoordelen>

Berthiaume, N., Leefmans, N., Oomes, N., Rojas-Romagosa, H. & Vervliet, T. 2021a. A Reappraisal of the Migration-Development Nexus: Testing the Robustness of the Migration Transition Hypothesis., *World Bank Policy Research Working Paper No. 9518*. Washington DC: World Bank. <https://openknowledge.worldbank.org/handle/10986/35032>

- Berthiaume, N., Leefmans, N., Oomes, N., Rojas-Romagosa, H. & Vervliet, T. (2021b). Development programs can promote growth while also reducing brain drain in low-income countries, *Let's Talk Development*, Washington DC: World Bank. <https://blogs.worldbank.org/developmenttalk/development-programs-can-promote-growth-while-also-reducing-brain-drain-low-income>
- Bijlsma, M., Klauw, B. van der & Knoef, M. (2022). De data-agenda van de overheid dient zich ook op de data zelf te richten, in: *Economische Statistische Berichten*, 106(4800), 26 augustus 2021.
- Bijlsma, M., Rougoor, W., Verheувel, N. (2021). Versnelde afbouw hypotheekrenteaf trek mogelijk maar geen wondermiddel, in *Economisch Statistische Berichten*, online gepubliceerd <https://esb.nu/esb/20068096/versnelde-afbouw-hypotheekrenteaf- trek-mogelijk-maar-geen-wondermiddel>
- Bussink, H., Weel, B. ter & Zwetsloot, J. (2021). De overgang van onderwijs naar arbeidsmarkt tijdens de coronapandemie. *KVS Preadviezen 2021*, online gepubliceerd [De overgang van onderwijs naar arbeidsmarkt tijdens de coronapandemie \(esb.nu\)](#)
- Casteren, W. van, Bussink, H. & Berg, E. van den (2021). Lerarenbeleid: meer samenhang nodig. *Didactief*, online gepubliceerd [Didactief | Lerarenbeleid: meer samenhang nodig \(didactiefonline.nl\)](#)
- Gielen, A., Webbink, D. & Weel, B. ter (2021). Sociaal-economische ongelijkheid in Nederland voor en tijdens de pandemie, in: *Economisch Statistische Berichten.*, online gepubliceerd [Sociaal-economische ongelijkheid in Nederland voor en tijdens de pandemie \(esb.nu\)](#)
- Jongeling, A. & Boonekamp, T. (2021). Instandhouding hubsysteem leverde KLM extra marktaandeel op. In *Economisch Statistische Berichten*, online gepubliceerd <https://esb.nu/kort/20068896/instandhouding-hubsysteem-leverde-klm-extra-marktaandeel-op>
- Jonker, N., van der Cruijisen, C., Bijlsma, M., & Bolt, W. (2021). Effect of covid-19 on payment patterns: A policy perspective, *European Economy*
- Kesteren, J. van, Bussink, H. & Werff, S. van der (2021). *Zorg voor kinderen ook tijdens lockdown vooral bij moeders*, *Tijdschrift voor Arbeidsvraagstukken*, 14 april, [Zorg voor kinderen ook tijdens lockdown vooral bij moeders | Tijdschrift voor Arbeidsvraagstukken](#)
- Konijn, S., Koeman, N., de Jong, G., Volberda, H., Heij, K. (2022). Klimaatambitieuze bedrijven investeerden meer tijdens coronacrisis, in: *Economische Statistische Berichten*, (107)4806.
- Lammers, M., Kesteren, J. van, Kok, L., & Schwartz, T. (2021). Werknemers negatiever over efficiëntere private re-integratiedienstverlening, in: *Economisch Statistische Berichten*, 9 juni
- Magnée, C. & Weel, B. ter (2021). De integratie van Molukse migranten in Nederland. *Economisch Statistische Berichten*, online gepubliceerd [De integratie van Molukse migranten in Nederland \(esb.nu\)](#)
- Roelandt, T., Wiel, H. van der, Brouwer, E. & Bos, B. (2021). Coronasteunbeleid redt de zwakkere maar ook de innoverende bedrijven, in: *Economisch Statistische Berichten*
- Tieben, B. (2021). Toppers met Tieben: Gijsbert Karel van Hogendorp (1762-1834), , in: *Economisch Statistische Berichten*, online gepubliceerd [Toppers met Tieben: Gijsbert Karel van Hogendorp \(1762-1834\) \(esb.nu\)](#)

- Vervliet, T., & Zwetsloot, J. (2021). Vooral 21- en 22-jarigen duurder bij verhoging wettelijk minimumloon. In: *Economisch Statistische Berichten*. Online gepubliceerd: <https://esb.nu/kort/20062438/vooral-21-en-22-jarigen-duurder-bij-verhoging-wettelijk-minimumloon>
- Ven, K. van der & Bisschop, P. (2021, 23 februari). Bijstelling schooladvies vaak gerechtvaardigd. In *Economisch Statistische Berichten*, online gepubliceerd <https://esb.nu/kort/20062108/bijstelling-schooladvies-vaak-gerechtvaardigd>.
- Vuuren, D. van, Rutten, A. & Knoef, M. (2021). Hogere AOW-leeftijd stimuleert doorwerken van jongere partner, *Economisch Statistische Berichten*, 106(4801), 442-445
- Vuuren, D. van, Ooms, D. & Tanke, M. (2021). Zorgverzekeringswet helpt om zorguitgaven in toom te houden, *Economisch Statistische Berichten*, 106(4794), 72-75
- Vuuren, D. van (2021). Evalueer het minimumloon, *Economisch Statistische Berichten*, 106(4795S), 63.
- Vuuren, D. van & Muns, S. (2021). De AOW nivelleert sterk doordat vooral hoge inkomens haar financieren, *Economisch Statistische Berichten*, 106(4795), 153-155
- Weel, B. ter, Bussink, H. & Kesteren, J. van (2021). Keuzevrijheid verhoogt zzp-draagvlak voor arbeidsongeschiktheidsverzekering, in: *Economisch Statistische Berichten*, online gepubliceerd <https://esb.nu/esb/20062297/keuzevrijheid-verhoogt-zzp-draagvlak-voor-arbeidsongeschiktheidsverzekering>
- Weel, B. ter, Zwetsloot, J. & Bisschop, P. (2021). Technologie verslechtert arbeidsmarktkansen van mbo'ers. In *Economisch Statistische Berichten*, online gepubliceerd <https://esb.nu/esb/20061646/technologie-verslechtert-arbeidsmarktkansen-van-mboers>.
- Weel, B. ter, Zwetsloot, J. & Bisschop, P. (2021). Technologie verslechtert arbeidsmarktkansen van mbo'ers. *Economisch Statistische Berichten*, online gepubliceerd Technologie verslechtert arbeidsmarktkansen van mbo'ers (esb.nu)
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Thesis

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- 10.000 net afgestudeerden geen baan door de eerste coronagolf | [Het Parool](#)
- Tienduizend minder jongeren aan het werk na eerste coronagolf | [NU - Het laatste nieuws het eerst op NU.nl](#)
- 10.000 minder banen voor startende jongeren na eerste coronagolf | Financieel | [Telegraaf.nl](#)
- 'Tienduizend minder jongeren hebben baan sinds eerste coronagolf' - [AT5](#)
- Eerste coronagolf zorgt voor 10.000 minder banen voor startende jongeren ([metronieuws.nl](#))
- Onderzoek: jongeren blijven door corona langer doorstuderen | [Trouw](#)
- Tien procent jongeren blijft langer in de schoolbanken hangen | [De Volkskrant](#)
- Coronanieuws: weer minder besmettingen in Brabant - [Omroep Brabant](#)
- Minder jongeren waagden zich vorig jaar na school direct op de arbeidsmarkt | [NU - Het laatste nieuws het eerst op NU.nl](#)
- Keynote Bas ter Weel - de minder vlakke kant van Nederland | [SER Diversiteit in bedrijf](#)

Bas ter Weel geïnterviewd over de kinderopvang, door:

- Advies: Regel twee dagen per week betaalbare kinderopvang voor alle jonge kinderen | Gezin | AD.nl
- 'Geef alle ouders toeslag voor kinderopvang' | Geld | Telegraaf.nl
- SER adviseert ook niet-werkende ouders kinderopvangtoeslag te geven | NU - Het laatste nieuws het eerst op NU.nl
- SER: kinderopvang minstens twee keer per week, ook toeslag voor ouders zonder werk | NOS
- Advies SER: alle jonge kinderen 2 dagen per week op kinderop... - De Limburger
- SER-advies: maak opvang goedkoper en voor meer kinderen | RTL Nieuws
- Advies SER: alle jonge kinderen 2 dagen per week op kinderopvang - Leeuwarder Courant (lc.nl)
- Advies: Regel twee dagen per week betaalbare kinderopvang voor alle jonge kinderen | Gezin | ed.nl
- SER: Regel twee dagen per week betaalbare kinderopvang voor alle jonge kinderen | Het Parool
- SER: 'Verklein achterstand kansarme kinderen door ook werkloze ouders kinderopvangtoeslag te geven' | De Volkskrant
- SER: stel kinderopvangtoeslag ook beschikbaar voor werkloze ouders - NRC
- FNV wil publiek gefinancierde kinderopvang voor alle kinderen van 0 tot 13 jaar - FNV
- SER: kinderopvang voor alle jonge kinderen (fd.nl)
- Advies SER: alle jonge kinderen 2 dagen per week op kinderopvang - Nieuws.nl
- Advies: Regel twee dagen per week betaalbare kinderopvang voor alle jonge kinderen | Home | gelderlander.nl
- Maak kinderopvang toegankelijk, betaalbaar en eenvoudig - Werken bij Kinderopvang

Bas ter Weel geïnterviewd over 'Veel bloeddonoren en gulle gevers in je gemeente? Dan is er meer werk en minder criminaliteit', *Trouw*, Veel bloeddonoren en gulle gevers in je gemeente? Dan is er meer werk en minder criminaliteit | Trouw.

Christiaan Behrens geïnterviewd over 'Geld toe bij een vliegretourtje Londen, maar eigenlijk betaal je 30 euro', door Nick Jager, *De Volkskrant*, Geld toe bij een vliegretourtje Londen, maar eigenlijk betaal je 30 euro | De Volkskrant.

Christiaan Behrens & Nard Koeman geïnterviewd over 'duur schaarse vergunningen markthandel' door Jacqueline Wijbenga, *Marktvisie*, 7 2021.

Erik Brouwer geïnterviewd over 'Klanten van goedkope autoleaser Car Driver Deals zijn hun auto en hun geld kwijt', door Robert Misset en Sofie van Putten, *De Volkskrant*, 20 juni.

Christiaan Behrens & Erik Brouwer geïnterviewd over 'Amsterdam wil Airbnb aan banden, 'maar relatie verhuur en overlast ontbreekt'', door Mike Muller, *Telegraaf*, Amsterdam wil Airbnb aan banden, 'maar relatie verhuur en overlast ontbreekt' | Binnenland | Telegraaf.nl

Erik Brouwer geïnterviewd over 'de droom van een eigen huis kopen is een nachtmerrie geworden', *Dagblad de Stentor*, 30 januari, online gepubliceerd De droom van een eigen huis kopen is een nachtmerrie geworden: 'Dit is voor niemand meer leuk' | Het beste van de Stentor | destentor.nl

Bert Tieben geïnterviewd over 'Minder toerisme heeft ingrijpende gevolgen', *Het Parool*, 15 juli 2021.

Bert Tieben geïnterviewd over 'De stad lijkt haar wonden en de crisis is nog niet eens voorbij', *NRC Handelsblad*, 9 september 2021.

Media appearance

Bas ter Weel geïnterviewd over de impact van de coronapandemie op de overgang onderwijs-arbeidsmarkt, door:

- *RTL Z Nieuws*, 28 december, online gepubliceerd [RTL Z Nieuws - 10:00 uur | RTL Nieuws](#)
- *NOS Radio- 1 Journaal*, 28 december, online gepubliceerd [NOS Radio 1 Journaal - 28 december 2021 - NPO Radio 1 Gemist | NPO Radio 1](#)
- *NOS Journaal*, 28 december, online gepubliceerd [NOS Journaal gemist? Start met kijken op NPO Start](#)
- *NOS Journaal*, 28 december, online gepubliceerd [NOS Journaal gemist? Start met kijken op NPO Start](#)
- *BNR Nieuwsradio*, 28 december, online gepubliceerd [BNR](#)
- *BNR Nieuwsradio*, 28 december, online gepubliceerd ['Grote zorgen om de positie van laagopgeleide jongeren' | BNR Nieuwsradio](#)
- *NOS Journaal*, 21 december 2021, online gepubliceerd [NOS Journaal gemist? Start met kijken op NPO Start](#)
- *Nieuwsuur*, 11 juni, online gepubliceerd [De uitzending van 11 juni: Wanneer prikken in arme landen? / Hoe verder met CDA? / Kloof groter door corona | Nieuwsuur \(nos.nl\)](#)

Wouter Vermeulen tafelgast bij de talkshow 'Beweging in kwetsbaarheid: Financiering en Organisatie', georganiseerd door ZonMw, VNG en Impuls Werkplaats, 27 mei, online uitgezonden

Erik Brouwer geïnterviewd over 'Hoe raakt corona de huizenmarkt?', *NOS Journaal*, 14 januari, online gepubliceerd [NOS Journaal gemist? Start met kijken op NPO Start](#)

Siemen van der Werff geïnterviewd over de krapte op de huizenmarkt, *RTL Nieuws*, 17 augustus, online gepubliceerd [RTL Nieuws - 19:30 uur | RTL Nieuws](#)

Arjan Heyma geïnterviewd over de krapte op de arbeidsmarkt, 'Hoe alarmerend is de krapte?', *BNR Nieuwsradio*, 14 september, online gepubliceerd [Hoe alarmerend is de krapte? | BNR Nieuwsradio](#)

Arjan Heyma geïnterviewd over de krapte op de arbeidsmarkt, *EenVandaag*, 5 augustus, online gepubliceerd [TV Uitzending 5 augustus 2021 - EenVandaag \(avrotros.nl\)](#)

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Bas ter Weel geïnterviewd over de kluseconomie, 'Project vs. vaste baan', *BNR Nieuwsradio*, 19 januari, online gepubliceerd [Projecten vs. vaste baan - BNR Nieuwsradio](#)

Carl Koopmans geïnterviewd over 'Rekening rijden verkleint de files', *BNR Nieuwsradio*, 25 oktober, online gepubliceerd op [BREEKT | Rekeningrijden is meest eerlijke systeem en daarom moeten we het nu invoeren | BNR Nieuwsradio](#)

Carl Koopmans geïnterviewd over 'Rekening rijden in het regeerakkoord', *BNR Nieuwsradio*, 10 december

Carl Koopmans geïnterviewd over 'Er wordt bij de corona-aanpak te weinig gekeken naar economische afweging', *nos.nl*, 4 maart <https://www.nos.nl/l/m/2371183>

Carl Koopmans geïnterviewd over 'Vervoer in 2050: zo goedkoop mogelijk', NEMO Kennislink, 13 mei
<https://www.nemokennislink.nl/publicaties/vervoer-in-2050-zo-goedkoop-mogelijk/>

Talk or presentation

Bas ter Weel, *Andere koek*, AWWN-jaarcongres 2021

Bas ter Weel, *SEO Kansentlas*, Kennisfestival, UvA Open, 2 juni.

Bas ter Weel, *presentatie over mbo-studie*, 18 mei.

Bas ter Weel, Wetenschaps- en pioniersdialoog 'NL na Corona' - Economisch herstel, 15 april.

Bas ter Weel, *'Platformeconomie'*, 30 maart, Wageningen.

Bas ter Weel, *'De kosten en baten van het invoeren van een leerrekening op basis van eerder SEO-onderzoek'*, High-level forum on individual learning accounts. Online conference, 5 maart, Brussel.

Christiaan Behrens, *'Kartels en schadevergoedingen: tel uit je winst!'*, AKD Seminar (online), 18 mei, Rotterdam.

Christiaan Behrens, *'Vraag in kaart: connectiviteit en economische impact'*, Bestuurlijke Regie Schiphol, 8 oktober, Hoofddorp.

Henri Bussink, presentatie tijdens Bijeenkomst Onderzoek en Beleid, online workshop *'Wat is het draagvlak voor een arbeidsongeschiktheidsverzekering voor werkenden?'*, georganiseerd door Instituut Gak, 7 december 2020, online gepubliceerd [Bijeenkomst Onderzoek en Beleid 2020 - Workshops \(aanmelder.nl\)](#)