

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Inge Dorothé
Family name: Brouwer
Address: Hogenkampseweg 126, 6871 JT Renkum
Telephone: 0317-314526, 06-13980604
Date of Birth: 5 March 1961
Place of birth: Rheden, The Netherlands
Nationality: Dutch
Sex: Female
Marital status: Married, three children (1994, 1998, 2001)

PROFILE

Inge Brouwer research focuses on innovative and sustainable food systems interventions that improve the diets of vulnerable populations in low- and middle-income countries. The core of her research is on intake, patterns and quality of diets, and the impact of consumer-food environment innovations on these among women, adolescents and children in low- and middle-income countries. Hereby she strives to bridge different disciplines and expertise in, for example, food technology, social science, and agricultural science. **She** stayed and worked in many countries especially in Africa and also in Asia, and have much experience in coordination and management of large research programs.

She stayed and worked in many countries especially in Africa and also in Asia, and has ample experience in coordination and management of large research programmes.

SKILLS AND COMPETENCES

Core competences Goal-oriented, structured, creative with strong imagination, excellent analytical skills
Social skills and competences Excellent communication and networking skills, team player, motivator, problem solver, connector
Organizational skills and competences Excellent project coordination and management skills, excellent teacher

EDUCATION

1973 – 1979 **Gymnasium**, Thorbecke Lyceum, Arnhem, The Netherlands
1979 - 1986 **Master of Science** Human Nutrition, Wageningen University, The Netherlands
1986 **1st degree Teaching Diploma** in Human Nutrition, Department of Education, Wageningen University, The Netherlands, incl 3 months internship at the HBOV, amsterdam, The Netherlands
1988 - 1994 **PhD Human Nutrition**, Wageningen University, African Studies Centre, The Netherlands
Title: Food and fuel: a hidden dimension in human nutrition. A study on the relationship between nutrition security and fuelwood availability in Ntcheu District, Malawi. Promotors: Prof JGAJ Hautvast, Dr JC Hoorweg, Co-promotor: Dr. AP den Hartog
2018 **Wageningen University & Research Leadership Programme**

EMPLOYMENT HISTORY

2023 – present **Senior Research Fellow** (0.5 fte). International Food Policy Research Institute, Washington DC, USA. Lead of the CGIAR Initiative on Sustainable Healthy Diets through Food System Transformation (SHiFT) -[Sustainable Healthy Diets - CGIAR](#)
2001 – present **Associate Professor** (UHD2) (since 2023 0.5fte), 2001-2013: **Assistant Professor** (UD). Food Systems for Healthy Sustainable Diets, Division of Human Nutrition and Health, Wageningen University, The Netherlands Research & education Food Systems for Healthier Diets; Project management
1995 - 2001 **Nutrition Consultant/Project Officer Nutrition**, UNICEF-Ghana Research & project implementation, monitoring and evaluation community based nutrition; lecturer at the University for Development Studies, Tamale, Ghana

1993 - 1995	Junior researcher , Division of Human Nutrition, Agricultural University Wageningen, The Netherlands; Project Management EU-funded NATURA-NECTAR on development of nutrition
1988 – 1993	PhD-Fellow , Graduate Programme in Human Nutrition; Division of Human Nutrition, Agricultural University Wageningen, The Netherlands
1986 – 1988	Education Assistant , Department of Agricultural Education, Agricultural University of Wageningen, The Netherlands Development and implementation of training for Education Diploma for Wageningen University students

MAIN FIELD EXPERIENCES

Ethiopia, Ghana, Nigeria, Bangladesh, Vietnam, Malawi, Senegal, Kenya, Mali, Benin, India, Ecuador

OTHER PROFESSIONAL EXPERIENCE

1994	UN-observer of elections in Malawi on behalf of the Dutch Government; regional coordinator
1993	UN-observer of referendum in Malawi on behalf of the Dutch Government; team member

WUR AND OTHER ANCILLARY ACTIVITIES

2019 -	Sahel Account Team (WUR)
2019 -	CGIAR Account Team (WUR)
2019 -	BHOS Account Team (WUR)
2020	BAC Jeroen Groot (UHD1)
2019 -	Ethiopia Working group (WUR)
2020	Promotion Board LSHTM Suneetha Kadiyala (Professor)
2022 -	Project Advisory Group (member), Global Dietary Quality Project
2021 -	Project Advisory Group (member), Innovations for Food Systems Solutions
2021 -	Steering Committee (member), SafeVeg DeSIRA project
2014 -	Board member (since 2018 Chair Person) Van Dam Nutrition Foundation (Van Dam Foundation)
2018 -	Scientific Advisory Committee (member), ANH Academy
2010 – 2021	Scientific Advisory Committee, Nutricia research Foundation

AWARDED PROJECTS AND GRANTS

CGIAR 2022-2024	CGIAR Initiative SHiFT (Sustainable Healthy Diets through Food System Transformation) – co-applicant, WUR representative and co-lead of Work Package 1 (Consumer and food environments) and Work Package 5 (Catalysing food system transformation): total programme budget 30.000k USD)	6.000k USD
IFAD 2022-2025	Climate-resilient agroecological transitions of agrifood systems (EcoFoodSystems) (total grant 3.512kEUR)	250k EUR
WUR Graduate Schools 2020-2024	WUR Sandwich PhD grant Co-applicant	70k EUR
CGIAR 2017 - 2021	Flagship research programme on Food Systems for Healthier Diets under the CGIAR funded Agriculture for Nutrition and Health (A4NH) Main applicant and Flagship Leader responsible for the coordination of the research programme carried out in 4 focus countries (Ethiopia, Nigeria, Bangladesh, Vietnam) in collaboration with 5 CGIAR institutes.	10.000k USD
BMGF/FCDO 2019 – 2022	Fruit and Vegetable Intake in Vietnam and Nigeria Main applicant and Principle Investigator responsible of the research programme in Vietnam and Nigeria carried out with 4 local institutes and 3 CGIAR institutes	3.000k USD
GIZ 2019 – 2023	Dietary Quality Questionnaire Development Coordinator responsible for implementation of the project in collaboration with external consultant	1.000k EUR
FAO 2021-2022	Review of Indicators for consumer behaviour and practices Coordinator for implementation of the project	58.5k EUR
EPHI/NIPN 2021-2025	Fellowship for 2 sandwich PhDs on role of processed foods and animals sourced foods in food systems in Ethiopia	178k EUR

IDRC 2021-2022	Leveraging Systems Approach for healthier and Sustainable Diet Policy in Ethiopia Advisor	519k EUR
Swiss Embassy 2021	Food-based Dietary Guidelines for Pastoralist Communities, a Case study from Ethiopia Coordinator of implementation of the project	27.5k USD
NWO 2018 - 2022	Senior Expert Professional Grant	162.4k EUR
Agrinatura-EEIG 2018	EC Food Fortification Research Portfolio Development and Management – Lot 4: Monitoring and impact assessment of food fortification/biofortification programmes (2FAS) Co-applicant	519k USD
FAO 2018	Revising manual for development of food based dietary guidelines and incorporating environmental sustainability considerations Main applicant	91.7k USD
Nutricia Research Foundation 2013-2014	Trainee Fellowship Yara Koreissi Main applicant	25k EUR
Ministry of Foreign Affairs 2013	AIM Amsterdam Initiative against Malnutrition Co-applicant	22.000k EUR
NUFFIC NFP 2013-2016	PhD Fellowship Aregash Hafebo Samuel	85k EUR
INREF Seed Money 2013	Food security and the productivity, health and nutrition nexus Co-applicant	25k Euro
EU FP7 2011-2014	SMILING. Sustainable Micronutrient Interventions to Control Deficiencies and Improve Nutritional Status and General Health in Asia.	2.000k EUR
Nestlé Foundation 2010	Grant for Improving nutritional status of schoolchildren through consumption of cowpea – a food sovereignty approach	86k EUR
NUTRICIA Research Foundation 2010	Two grants for (1) The efficacy of a local vitamin-C rich fruit (Guava) in improving Fe-absorption from mungbean product and effect on Fe status of rural Indian children (5-9 years); and (2) Improving Nutritional Status of Children In A Semi-Arid Area In Kenya. The Potential of Amaranth Grain Flour	100k EUR
International Foundation for Science (IFS) 2010	Two grants for (1) Investigating the potential improvement in iron bioavailability in human subjects from "Mi Papilla formula"- a fortified complementary food by native phytase from barley; and (2) Iron and zinc bioavailability of fonio porridge in Malian women using extrinsic tag method	22.6k EUR
EU FP7 2008 – 2013	Improved nutrition through staple food crops in Sub-Saharan Africa (INSTAPA) Main applicant and overall coordinator of the research programme comprising 7 work packages with 7 partners. Co-supervisor of a randomized controlled trial studying the effect of daily consumption of biofortified yellow cassava on vitamin A status and immune function of Kenyan school children in one of the work packages	6.000k EUR
EU FP6 2007 - 2012	FONIO-Upgrading quality and competitiveness of fonio for improved livelihoods in west Africa Main applicant and leader of nutrition work package on upgrading quality and competitiveness of fonio for improved livelihoods in West-Africa	1.200k EUR
INREF (2007 – 2011)	TELFUN – Tailoring Food sciences to Endogenous Patterns of Local Food Supply for Future Nutrition Co-applicant and Nutrition work package leader	1.000k EUR
NUFFIC NFP 2007 - 2011	Three PHD fellowships (Nadia Fanou, Yara Koreissi, Sophie Ngala)	187.5k EUR
FANTA 2007	Validation of dietary diversity as a measure of the micronutrient adequacy of women's diet Co-applicant	1.000k EUR

Harvest Plus Challenge program 8042 2007	Building European scientific collaboration with HarvestPlus under Wageningen University leadership	150k EUR
UNILEVER 2005 - 2010	UNILEVER Research Programme on Micronutrients and International Health	5.000k EUR
PHD-PROJECTS SUPERVISION (ONGOING)		
Yrence Ammoussa	SafeVeg: consumer food choice motives and lived experiences and fruit and vegetable intake	2022-2026
Esther Omosa	Characterizing the Food Environment and its effects on nutrition and health outcomes in pastoralist settings in Kenya	2022-2026
Melissa Vargas (2022-2025)	Nutrition guidelines and standards for school meals	2022-2026
Betul Uyar	Global Dietary Quality project	2022-2026
Ruth Bekele	Sustainable healthy diets from circular food systems in Ethiopia	2021-2025
Giulia Pastori	Increasing fruit and vegetable intake in low-income populations in Vietnam and Nigeria through food system innovations	2020-2023
Kifle Habte Balcha	Minimally processed, processed and ultra-processed foods consumption in Ethiopia and relationship with overweight, obesity and diet-related non-communicable diseases	2021-2025
Sadik Jemal	Reducing the disease burden of mycotoxins in Ethiopia	2021-2026
Quoc Nguyen	Bridging the Missing Middle: the case of pork and vegetable production and consumption in Vietnam	2018-2023
Tibebu Moges	Exploring the potential of agro-biodiversity of farms and landscapes to promote enhanced child nutrition in Ethiopia	2016-2023
PHD-PROJECTS SUPERVISED (FINISHED)		
Fusta Azupgo	The interrelations between nutrition, social and economic trajectories during adolescence among girls in Ghana	2022
Masresha Tessema	The impact of quality protein maize on child growth of Ethiopian children: a randomized controlled trial	2020
Jeanine Ahishakiye	Understanding the psychological and social environmental determinants driving infant and young child feeding practices among Rwandan households: a salutogenic approach	2020
Ilse de Jager	Agricultural productivity and nutrition: linkages and drivers of smallholder farming households in Ghana and Kenya	2019
Aregash Samuel	Optimizing young child nutrition in Ethiopia. The effectiveness, acceptance and possible risks of micronutrient powders.	2019
Prosper Kujinga	Effectiveness of zinc fortified drinking water on zinc intake, status and morbidity of rural Kenya pre-school children.	2016
Sophie Ngala	Evaluation of dietary diversity scores to assess nutrient adequacy among rural Kenyan women.	2015
Yara Koreissi	Fonio (<i>digitaria exilis</i>) in West africa: towards improving nutrient quality.	2015
Elise F. Talsma	Yellow cassava: efficacy of provitamin A rich cassava on improvement of vitamin A status in Kenya schoolchildren	2014
Abdul Razak Abizari	Efficacy of iron fortified cowpea flour in improving iron status of schoolchildren in malaria endemic rural Ghana.	2013
Suying Chang	Iron deficiency anemia in the first 1000 days of life: prevention of impaired child development	2012
Nadia Fanou	Finio (<i>Digitaria exilis</i>) as a staple food in Mali: an approach to upgrade nutritional value.	2012

Catherine Macharia Mutie	Efficacy of amaranth grain (<i>Amaranthus cruentus</i>) on anemia and iron deficiency in Kenyan pre-school children.	2012
Huong Le Thi	Anemia among school children in Vietnam: the efficacy of iron fortification.	2006

OTHER INFORMATION

Language skills	Dutch (native), English (proficient), German and French (basic)
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PUBLICATIONS

Papers in refereed journals

1. Nguyen SD, Biesbroek S, Le TD, Feskens EJM, **Brouwer ID**, Talsma EF. Environmental impact and nutrient adequacy of derived dietary patterns in Vietnam. *Frontiers in Nutrition* (Submitted)
2. Pastori G, **Brouwer ID**, Feskens EJM, Huong LT, Samuel FO, Le XTT, Shittu OF, Eyinla TE, Talsma EF. A simple fruit and vegetable score is a valid tool to assess actual fruit and vegetable intake. *British Journal of Nutrition* (submitted)
3. Rodas-Moya R, Guidici FM, Owolabi A, Samuel F, Kodish SR, Lachat C, Abreu TC, van het Hof KH, Osendarp SJ, **Brouwer ID**, Feskens EJ, Melse-Boonstra A. A generic theory of change-based framework with core indicators for monitoring the effectiveness of Large-scale food fortification programs in low-and middle-income countries. *Frontiers in Nutrition* (submitted)
4. Bekele HT, van Rooijen M, Gerdessen JC, **Brouwer ID**, Feskens EJM, Trijsburg L, Alemayehu D, de Vries JHM. Developing feasible healthy diets for Ethiopian women of childbearing age – a linear goal programming approach. *Public Health Nutrition* (submitted)
5. Bekele HT, Trijsburg L, **Brouwer ID**, de Vries JHM, Covic N, Kennedy G, Alemayehu D, Feskens EJM. Dietary recommendations for Ethiopians based on priority diet-related diseases and causes of death in Ethiopia: an umbrella review. *Advances in Nutrition* (submitted)
6. Bekele T, de Vries JHM, Feskens EJM, de Weijer A, **Brouwer ID**, Covic N, Trijsburg J. Development of the Ethiopian Healthy Eating Index (Et-HEI) and Evaluation in Women of Reproductive Age. *Journal of Nutritional Sciences* 2022; 12: e9:1-10 <https://doi.org/10.1017/jns.2022.120>
7. Bekele T, de Vries JHM, Feskens EJM, de Weijer A, **Brouwer ID**, Covic N, Trijsburg L. The feasibility of implementing food-based dietary guidelines and food graphics in Ethiopia. *Food Security* 2023; <https://doi.org/10.1007/s12571-022-01335-3>
8. Azupogo F, Saeed N, Wemakor A, Addae HY, Boah M, **Brouwer ID**. Moderate-to-severe household food insecurity is associated with depression among adolescent girls in northern Ghana: a cross-sectional analysis. *BMJ Nutrition, Prevention and Health* 2023; e000523; <https://doi.org/10.1136/bmjnph-2022-000523>
9. Coppoolse HL, Borgonjen-van den Berg KJ, Chopera P, Hummel M, Grimble G, **Brouwer I**, Melse-Boonstra A. The potential contribution of house crickets to the dietary zinc content and nutrient adequacy in young Kenyan children: a linear programming analysis using Optifood. *BJN* 2023; 129(3):478-490. <https://www.doi.org/10.1017/S0007114522000915>.
10. Uyar BTM, Talsma EF, Herforth AW, Trijsburg TE, Vogliano C, Pastori G, Bekele TH, Huong LT, **Brouwer ID**. The DQQ is a valid tool to collect population level food group consumption data: A study among women in Ethiopia, Viet Nam, and Solomon Islands. *Journal of Nutrition* 2023; 153(1): 340-351 1-12. <https://doi.org/10.1016/j.tjnut.2022.12.014>
11. De Jager I, van de Ven GWJ, Giller KE, **Brouwer ID**. Seasonality and nutrition-sensitive farming in rural Northern Ghana. *Food Security* 2022 <https://doi.org/10.1007/s12571-022-01325-5>
12. Harris J, van Zonneveld M, Achigan-Dako EG, Bajwa B, **Brouwer ID**, Choudhury D, de Jager I, de Steenhuijsen P, Ehsan Dullloo M, Guarino L, Kindt R, Mayes S, McMullin S, Quintero M, Schreinemachers P. Fruit and vegetable biodiversity for nutritionally diverse diets: challenges, opportunities, and knowledge gaps. *Global Food Security* 2022; 33. <https://doi.org/10.1016/j.gfs.2022.100618>
13. Azupogo F, Abizari AR, Aurino E, Gelli A, Osendarp SJM, Bras H, Feskens EJ, **Brouwer ID**. Trends and factors associated with the nutritional status of adolescent girls in Ghana: A secondary analysis of the 2003-2014 Ghana Demographic and Health Survey (GDHS) data. *Public Health Nutrition* 2022; 25(7) <https://doi.org?doi:10.1017/S1368980021003827>
14. Agaba M, Azupogo F, **Brouwer ID**. Maternal nutrition status, decision-making autonomy and the nutritional status of adolescent girls in the Mion District of Ghana. *Journal of Nutritional Science* 2022; 11:e97 <https://doi.org/10.1017/jns2022.95>
15. De Jager I, Harrison M, Wit RF, Sonneveld A, Heslen R, Uyar BTM, Verger EO, Islas Ramos A, Vargas M, Wijesinha-Bettoni R, Hachem F, **Brouwer ID**. Protocol: measuring diet-related consumer behaviours relevant to low- and middle-income countries to advance food system research: an evidence and gap map. *Campbell Systematic Reviews* 2022;18:e1283, <https://doi.org/10.1002/cl2.1283>
16. Rodas-Moya S, Guidici FM, Mudyahoto B, Birol E, Kodish R, Lachat C, Abreu TC, Melse-Boonstra A, van het Hof KH, **Brouwer ID**, Osendarp S, Feskens EJM. Critical review of indicators, metrics,

- methods, and tools for monitoring and evaluation of biofortification programs at scale. *Front Nutr* 2022; 9:963748 <https://doi.org/10.3389/fnut.2022.963748>
17. Samuel A, Osendarp S, Feskens EJM, Lelisa A, Adish A, Kebede A, **Brouwer ID**. Gender differences in nutritional status and determinants among infants (6-11 m): a cross-sectional study in two regions in Ethiopia. *BMC Public Health* 2022;22:401 <https://doi.org/10.1186/s12889-022-12772-2>
 18. Liguori J, Truebwasser U, Pradeilles R, Le Port A, Landais E, Talsma E, Lundy M, Bene C, Bricas N, Laar A, Amiot MJ, **Brouwer ID**, Holdsworth M. How do food safety concerns affect consumer behaviours and diets in low- and middle income countries? A systematic review. *GFS* 2022; 32:10060 <https://doi.org/10.1016/j.gfs.2021.100606>
 19. De Filippo A, Meldrum G, Samuel F, Mai TT, Kennedy G, Adeyemi OA, Ngothiha P, Werthein-Heck S, Talsma EF, Shittu OO, Tran TD, Bac NH, Lundy M, Hernandez R, Le TH, de Brauw A, **Brouwer ID**. Barrier analysis for adequate daily fruit and vegetable consumption among low-income residents of Hanoi, Vietnam and Ibadan, Nigeria. *Global Food Security* 2022; 3: <https://authors.elsevier.com/c/1dyze7sxZ~8CRq>
 20. Moges T, **Brouwer ID**, Delbiso TD, Remans R, Baudron F, Belachew T, Groot JCJ. Spatial farming systems diversity and micronutrient intakes of rural children in Ethiopia. *Maternal & Child Nutrition* 2022; <https://doi-org.ezproxy.library.wur.nl/10.1111/mcn.13242>
 21. Brouwer ID, van Liere MJ, de Brauw A, Dominiquez-Salsa P, Herforth A, Kennedy G, Lachat C, Omosa EB, Talsma E, Vandevijvere S, Fanzo J, Ruel M. Reverse thinking: taking a healthy diet perspective towards food systems transformations. *Food Sec.* (2021). <https://doi.org/10.1007/s12571-021-01204-5>
 22. Moges T, Brouwer ID, Delbiso TD, Remans R, Baudron F, Belachew T, Groot JCJ. Spatial farming systems diversity and micronutrient intakes of rural children in Ethiopia. *Maternal & Child Nutrition* 2021; <https://doi-org.ezproxy.library.wur.nl/10.1111/mcn.13242>
 23. Borgonjen KJ, de Vries JHM, Chopera P, Feskens JM, Brouwer ID. Sensitivity of food-based recommendations developed linear programming to model input data in young Kenyan Children. *Nutrients* 2021, 13 (10), 3485 <https://doi.org/10.3390/nu13103485>
 24. Hollis JL, Demaiio S, Yang WY, Trijsburg L, Brouwer ID, Jewell J, Johns P, DeClerk F, and Collins CE. *Investing in early nutrition and food systems for human and planetary health*. The Lancet Child and Adolescent Health 2021, DOI: [https://doi.org/10.1016/S2352-4642\(21\)00306-0](https://doi.org/10.1016/S2352-4642(21)00306-0). And [Investing in early nutrition and food systems for human and planetary health \(newcastle.edu.au\)](https://doi.org/10.1016/S2352-4642(21)00306-0)
 25. Azupogo F, Abizari AR, Aurino E, Gelli A, Osendarp SJM, Bras H, Feskens EJ, Brouwer ID. Trends and factors associated with the nutritional status of adolescent girls in Ghana: a secondary analysis of the 2003-2014 Ghana Demographic and Health Survey (GDHS) data. *Public Health Nutrition* 2021:1-41. <https://doi.org/10.1017/S1368980021003827>
 26. Mekonnen D, Trijsburg L, Achterbosch T, Brouwer ID, Kennedy G, Lindenhof V, Ruben R, Talsma E. Food consumption patterns, nutrient adequacy, and the food systems in Nigeria. *Agric F Econ* 2021; 9 (16): <https://doi.org/10.1186/s40100-021-00188-2>
 27. Tessema M, De Grootte H, Brouwer ID, De Boevre M, Vidal A, Stoecker BJ, Feskens EJM, Belachew T, Karakitsou A, Gunaratna NS. Exposure to aflatoxins and fumonisins and linear growth of children in rural Ethiopia: a longitudinal study. *Public Health Nutrition* (Accepted manuscript); <https://doi.org/10.1017/S1368980021000422>
 28. Ahishakiye J, Vaandrager L, Brouwer ID, Koelen M. Life course learning experiences and infant feeding practices in rural Rwanda. *Maternal & Child Nutrition* 2021; e13126 <https://doi.org/10.1111/mcn.13126>
 29. Afolami I, Samuel F, Borgonjen-van den Berg K, Mwangi M, Kalejaiye O, Sanusi RA, Putri LAR, Brivio F, Brouwer ID, Melse-Boonstra A. The contribution of pro-vitamin A biofortified cassava to vitamin A intake in Nigerian pre-school children. *British Journal of Nutrition* 2021; <https://doi.org/10.1017/S0007114521000039>
 30. Trijsburg, LE.; Talsma, E.F.; Crispim, S.P.; Garrett, J.; Kennedy, G.; de Vries, J.H.M.; Brouwer, I.D. Method for the Development of WISH, a Globally Applicable Index for Healthy Diets from Sustainable Food Systems. *Nutrients* 2021, 13, 93. 3(1), <https://doi.org/10.3390/nu13010093>
 31. Azupogo F, Abizari AR, Osendarp SJM, Feskens EJ, Brouwer ID. Ten2Twenty-Ghana: Study Design and Methods for an Innovative Randomised Controlled Trial with Multiple Micronutrient Fortified Biscuits Among Adolescent Girls in North-Eastern Ghana. *Current Developments in Nutrition* 2021: 5(2); nzaa184. <https://doi.org/10.1093/cdn/nzaa184>
 32. McMullin SM, Stadlmayr B, Mausch K, Revoredo-Giha C, Burnett F, Guarino L, Brouwer ID, Jamnadass R, Gradual L, Powell W, Dawson IK. Determining appropriate interventions to mainstream nutritious orphan crops into African food systems. *Global Food Security* 2021; 28 100465 <https://doi.org/10.1016/j.gfs.2020.100465>
 33. Ahishakiye J, Bouwman L, Brouwer ID, Vaandrager L, Koelen M. Qualitative, longitudinal exploration of coping strategies and factors facilitating infant and young child feeding practices among mothers in Rural Rwanda. *BMC Public Health* 2021; 21:103, <https://doi.org/10.1186/s12889-020-10095-8>
 34. Samuel A, Brouwer ID, Pamungkas NP, Terra T, Lelisa A, Kebede A, Osendarp SJM. Determinants of adherence to micronutrient powder use among young children in Ethiopia. *Maternal and Child Nutrition* 2020:17(2), e13111 <https://onlinelibrary.wiley.com/doi/epdf/10.1111/mcn.13111>

35. Melesse M, van den Berg M, Bene C, de Brauw A, Brouwer ID. Metrics to analyze and improve diets through food systems in low and middle income countries. *Food Security* 2020, 12: 1085-1105 <https://doi.org/10.1007/s12571-020-01091-2>
36. Brouwer ID, McDermott J, Ruben R. Food systems everywhere: improving relevance in practice. *Global Food Security* 2020;26:100398 <https://doi.org/10.1016/j.gfs.2020.100398>
37. Azupogo F. Malnutrition, hypertension risk and correlates: an analysis of the 2014 Ghana Demographic and Health survey data for 15-19 years adolescents boys and girls. *Nutrients* 2020 (Accepted)
38. Mekonnen DA, Talsma EF, Trijsburg L, Linderhof V, Achterbosch T, Nijhuis A, Ruben R, Brouwer ID. Can household dietary diversity inform about nutrient adequacy? Lessons from a food system analysis in Ethiopia. *Food Security* 2020;12:1367-1383 <https://doi.org/10.1007/s12571-020-01056-5>
39. Ahishakiye J, Bouwman L, Brouwer ID, Vaandrager L, Koelen M. Prenatal infant feeding intentions and actual feeding practices during the first six months postpartum in rural Rwanda: a qualitative, longitudinal cohort study. *International Breastfeeding Journal* (2020) 15:29 <https://doi.org/10.1186/s13006-020-00275-y>
40. Estrada-Carmona N, Raneri JE, Alvarez S, Timler C, Chatterjee SA, Ditzler L, Kennedy G, Remans R, Brouwer ID, Borgonjen-van den Berg K, Talsma E, Groot JCJ. A model-based exploration of farm-household livelihood and nutrition indicators to guide nutrition-sensitive agriculture interventions. *Food Security* 2019; 12:59-81 <https://doi.org/10.1007/s12571-019-00985-0>
41. Veldhuizen L, Giller KE, Oosterveer PJM, Brouwer ID, Janssen SJC, van Zanten HHE, Slingerland MA. The Missing Middle: Connected action on agriculture and nutrition across global, national and local levels to achieve Sustainable Development Goal 2. *Global Food Security* 2020; 24: 100336. <https://doi.org/10.1016/j.gfs.2019.100336>
42. Timler, C., Alvarez S, DeClerck F, Remans R, Raneri J, Estrada Carmona N, Mahshingaidze N, Chatterjee SA, Chiang TW, Termote C, Yang, RY, Descheemaeker K, Brouwer ID, Kennedy G, Tittone PA, Groot JCJ. Exploring solution spaces for nutrition-sensitive agriculture in Kenya and Vietnam. *Agricultural Systems* 2020; 180: <https://doi.org/10.1016/j.agsy.2019.102774>
43. Chileswe J. Potential contribution of cereal and milk based fermented foods to dietary nutrient intake of 1-5 years old children in Central province in Zambia. *Plos ONE* 2020
44. Sonkola K, Kvalsvig JD, Brouwer I, Holding P, Taylor M. Parental attitudes, roles and influences on decision making for child well-being on the South Coast of Kenya: a descriptive study. *Child Care in Practice* 2020; 27(1):54-71
45. Ahishakiye J, Bouwman L, Brouwer ID, Matsiko E, Armar-Klemesu M, Koelen M. Challenges and responses to infant and young child feeding in rural Rwanda. A qualitative study. *Journal of Health, Population and Nutrition* 2019; 38; 43 <https://doi.org/10.1186/s41043-019-0207-z>
46. Habibie IY, Brouwer I, Februhartanty J. Eating behaviour of young female workers with low socio-economic status in Malang city, East Java: a qualitative study. *Mal Nutr J* 2019; 25 (supplement): 75-85
47. Sondari M, Brouwer I, Februhartanty J. Eating behaviour of adolescent schoolgirls in Malang, East Java: a qualitative study. *Mal J Nutr* 2019; 25 (supplement); 87-96
48. Trijsburg L, Talsma EF, de Vries JHM, Kennedy G, Kuijsten A, Brouwer ID. Diet quality indices for research in low- and middle-income countries: a systematic review, *Nutrition Reviews* 2019; 77 (8): 515-540, <https://doi.org/10.1093/nutrit/nuz017>
49. Bekele TH, de Vries JHM, Trijsburg L, Feskens E, Covic M, Kennedy G, Brouwer ID. Methodology for developing and evaluating food-based dietary guidelines and a Healthy Eating Index for Ethiopia: a study protocol. *BMJ Open* 2019;9:e027846. doi:10.1136/bmjopen-2018-027846
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1. **Brouwer ID**, Talsma EF. Solving global nutrition and dietary challenges: More than proteins. In: Pyett S, Jenkins W, van Mierlo B, Trindade LM, Welch D, van Zanten H (eds). Our future protein. A diversity of perspectives. VU University Press, Amsterdam (forthcoming)
2. Harris J, de Steenhuijsen P, McMullin S, Bajwa B, de Jager I, **Brouwer ID**. Fruits and vegetables for healthy diets: priorities for food system research and action. In: von Braun J, Afsana K, Fresco LO, Hassan MH (Editors). Science and Innovations for Food Systems Transformation. Springer, 2023: 87-104 <https://doi.org/10.1007/978-3-031-15703-5>
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Conference abstracts and selected papers presented

1. Bekele T, de Vries JHM, Feskens EJM, de Weijer A, **Brouwer ID**, Covic N, Trijsburg J, The Ethiopian Healthy Eating Index: a tool to evaluate diet quality by assessing the adherence to Ethiopian Food-base dietary guidelines. Abstract and poster at the 22nd International Congress of Nutrition, Tokyo, December 2022
2. Talsma EJJ, Pastori G, Siemonsma M, Verhoef H, Le Thi H, Le Thi TX, Shittu OO, Samuel FO, **Brouwer ID**. Food system interventions and intake of fruits and vegetables in urban Vietnam and Nigeria. Abstract and poster at the 22nd International Congress of Nutrition, Tokyo, December 2022
3. Pastori G, Talsma EF, **Brouwer ID**. Food system interventions to increase fruit and vegetable intake in urban Vietnam and Nigeria. Abstract and poster at the 22nd International Congress of Nutrition, Tokyo, December 2022
4. **Brouwer ID**. Food systems for healthier diets. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
5. Pastori G, Talsma EF, **Brouwer ID**. Food system interventions to increase fruit and vegetable intake in urban Vietnam and Nigeria. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
6. Bekele TH, de Vries JHM, Trijsburg LE, **Brouwer ID**, Covic N, Alemayehu D, Feskens EJM. Ethiopian food-based dietary guidelines; development, evaluation and adherence monitoring. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
7. Nguyen SD, Biesbroek S, Le TE, Feskens EJM, **Brouwer ID**, Talsma EF. Environmental impact and nutrient adequacy of derived dietary patterns in Vietnam. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
8. Van DTT, Nguyen SD, Do HTP, Le TD, Talsma EF, **Brouwer ID**, Bell W, Feskens EJM. Evaluation and application of the Vietnamese Healthy Eating Index. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
9. Uyar BTM, Talsma EF, Herforth AW, Trijsburg LE, Vigliano C, Pastori G, Bekele TH, Le TH, **Brouwer ID**. The DQQ is a valid tool to collect population level food group consumption data. Abstract and poster at the NL-CGIAR Conference 'Partnering for Global Food Security, 2-3 November 2022
10. Mekonnen D, Nijhuis AP, Trijsburg LE, Talsma EF, Morley T, Linderhof V, Achterbosch TJ, **Brouwer ID**. Determinants of nutrient and dietary gaps in the changing food system in Nigeria. Abstract to Tropentag 2018: Global food security and food safety: the role of universities, 17-19 September 2018
11. Mekonnen D, Nijhuis AP, Trijsburg LE, Talsma EF, Morley T, Linderhof V, Achterbosch TJ, **Brouwer ID**. Dietary gaps in Ethiopia and Nigeria. Abstract and poster at the Tropentag 2018: Global food security and food safety: the role of universities, 17-19 September 2018

12. Achterbosch TJ, Mekonnen D, Nijhuis LE, Talsma EF, Morley T, Linderhof V, **Brouwer ID**. Explaining Dietary gaps: evidence from Ethiopia and Nigeria. Abstract to 3rd Agriculture, Nutrition and Health academy week. 25-29 June 2018
13. Veldhuizen LJJ, de Boer IJM, **Brouwer ID**, Giller KE, Janssen SJC, Oosterveer PJM, Slingerland MA, van Zanten HHE. The Missing Middle in Sustainable Development Goal 2. 3rd International Conference on Global Security, 3-6 Dec 2017, Cape Town, South Africa.
14. Jager I, Abizari AR, Douma JC, Giller KE, **Brouwer ID**. Grain legume cultivation and children's dietary diversity in smallholder farming households in rural Ghana and Kenya. Abstract 144/2360 Ann Nutr Metab 2017;71(suppl2):1:1433. 21st International Congress of Nutrition, 15-20 October, 2017
15. Jager I, Abizari AR, Douma JC, Giller KE, **Brouwer ID**. Does local food availability support implementation of food-based dietary recommendations in northern Ghana? Abstract 144/2359 Ann Nutr Metab 2017;71(suppl2):1:1433. 21st International Congress of Nutrition, 15-20 October, 2017
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22. Samuel A, Osendarp S, Ferguson E, Borgonjen K, Alvarado BM, Neufeld LM, Adish AA, Kebebe A, Wuehler S, **Brouwer I**. Identifying dietary strategies to improve nutrient adequacy among Ethiopian infants and young children using linear modelling. Abstract 144/2428 Ann Nutr Metab 2017;71(suppl2):1:1433. 21st International Congress of Nutrition, 15-20 October, 2017
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25. Valkenhoef J, **Brouwer I**, Groot JCJ. Incorporating household dietary diversity and nutritional needs in quantitative farming systems analysis. Abstract to the International Conference on Integrated Systems research, 3-6 March 2015, Ibadan, Nigeria, 2015
26. Groot JCJ, Alvarez S, Timler CJ, Paas WH, Descheemaeker KKE, **Brouwer ID**. Systems analysis in nutrition sensitive landscapes. Abstract to the International Conference on Integrated Systems research, 3-6 March 2015, Ibadan, Nigeria, 2015
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47. **Brouwer ID**. Food ethnography, food consumption and biomarker measurement are complementary approaches towards determination of efficacy of food based approaches. 6th International Conference on Dietary Assessments Methods., April 2006, Copenhagen. (abstract)
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54. **Borbolla R, Pelto GH, Brouwer ID, Ruel MT. 2001**. Identifying sociocultural and environmental factors related to maternal caring behaviors and the intake of vitamin A and iron-rich foods among children 6-24 months in Yendi District, Northern Ghana. *Annals of Nutrition and Metabolism*; 45 (suppl.1): 9 (abstract A.01.108)

Keynotes, invited speaker presentations (2019-2023)

1. Keynote speaker at 'Introducing Pro-WEIA complementary indicators for nutrition-sensitive agriculture and market inclusion projects'. Policy Seminar. IFPRI, 2 March 2023
2. Invited Speaker. 'Tribute to Abdul-Razak Abizaria'. Presentation given at 'The challenge of Nutrition Leadership in the globalized world', session at the 22nd IUNS-ICN International Congress of Nutrition, Tokyo, December 2022
3. Invited Speaker 'Overview of SHiFT Initiative'. Presentation given at the launch of the CGIAR-SHiFT initiative in Bangladesh, November 2022
4. Invited Speaker 'Sustainable healthy diets through food system transformation'. Presentation given at the CGIAR-TAFFSA workshop, September 2022
5. Debater 'Food system transformation cannot take place without a leading role by public institutions'. NWO-WOTRO Food Fight debate 'Public policy towards food system transformation'. September 2022 [NL-CGIAR – Food Fight Webinar 1 'Public policy towards food system transformation' - YouTube](#)
6. Invited speaker 'In the jungle : Implementation of dietary assessment in low- and middle income countries'. Presentation given at the farewell symposium 'Inspiration for implementation : a selection of more than forty years of nutrition research. Division of Human Nutrition and Health, September 2022
7. Invited speaker at : SHiFT Sustainable Healthy Diets through Food System Transformation. Presentation given at FRESH workshop, IFPRI, July 2022
8. Invited Speaker SHiFT : WP1 Consumer and their food environment. Presentation given at the launch of SHiFT in Vietnam, June 2022
9. Key-note speaker 'Towards Food Based Dietary Guidelines'. Key-note Speech delivered at the occasion of the launch of the Ethiopian Food Based Dietary Guidelines in Ethiopia, March 2022
10. Invited speaker SHiFT : Sustainable Healthy diets through food system transformation. Presentation given at the CGIAR seminar on Agriculture for Nutrition and Health : what is achieved and what next, Vietnam, November 2021
11. Invited speaker 'National Food System Transformation'. Presentation given at the Symposium : Pathways to progress. The story of Agriculture for Nutrition and Health and What's Next, November 2021 [Pathways to Progress: The Story of Agriculture for Nutrition and Health and What's Next | ANH Academy \(anh-academy.org\)](#)
12. Invited speaker 'Urban Food Environments in Vietnam and Nigeria'. Presentation at the CGIAR-France workshop on collaboration on consumer behaviour and food environments. November 2021
13. Key-note speaker 'Food Systems for Healthy and Sustainable Diets'. Presentation given at the 51st Annual General Meeting and Scientific Conference of the Nutrition Society of Nigeria, September 2021
14. Invited speaker '(Un)healthy diets : concepts and measurements'. Presentation given at 'Sustainable Food Systems : Perspectives from Various Scientific Disciplines', University of Göttingen, September 2021
15. Invited speaker 'Food System Transformation for Healthier Diets'. An A4NH Golden Egg. Presentation at the CGIAR Transfer Marketplace Event, June 2021
16. Invited speaker 'Food Systems Transformation for healthier diets'. Presentation at 'Profundizando en el vínculo entre alimentos y la salud humana y nutrición' organised by Grupo promotor Salud, Alimentos y Nutricion Humana, Uruguay, June 2021
17. Invited speaker 'Using food systems to deliver micronutrients'. Presentation at the session on Efficacy and effectiveness of , at the Micronutrient Forum 2020 5th Global Conference, November 2020
<https://www.eventscribeapp.com/live/slides/view.asp?svfp=MTM3MDF8NDI5MzkwNTZ8NjM4MTN8NzgZODE1fFdYnNpdGU>
18. Invited speaker 'Reverse thinking for food system transformations: from diet to impact'. Presentation at Session 1: urban Food systems in a Changing World at the Technical Symposium on nutrition-sensitive urban food systems, co-organized by the Ministry of Food (Dhaka, Bangladesh) and FAO, 11 October 2020
19. Invited speaker 'Food Systems for Healthier Diets', presentation and panelist at the session on Contribution of Forests, Trees and Agroforestry to sustainable food security and Nutrition in a time of crisis, organized by FTA during the Global Landscape Forum2020, 3 June 2020.

20. Invited speaker 'Reverse thinking in food systems: from diet to impact' Lunch seminar, Wageningen University, 4 February 2020
21. Invited speaker 'Reverse thinking for food system transformations: from diet to impact'. Presentation at the International Symposium on Sustainable Food Systems, organized by the Center for International Development and Environmental Research (ZEU), Justus Liebig University of Giessen Giessen, 7 February 2020. [Workshops \(foodsystems2020.de\)](https://www.foodsystems2020.de)
22. Invited speaker Food systems for healthier diets. Presentation held at the Food-Health Nexus Advisory Committee Meeting. November 19, 2019, Global Alliance for the Future of Food, Wageningen
23. Key-note speaker 'Transforming food systems for healthier Diets: Supporting actions at a national scale'. Keynote at IFPRI [Policy Seminar](#): Food Systems Transformations: National Actions in a Globalized World, November 14 2019, IFPRI, Washington DC
24. Invited speaker 'A4NH-Food Systems for Healthier Diets'. Presentation held at the Food Environment Consultative Workshop, November 5-7 2019, ILRI, Addis Ababa
25. Invited speaker Improving nutrition and health through multisectoral programs and food system innovations. Co-presentation with Dr Jeff Leroy at the DEVCO Technical Health Seminar, October 2019, Brussels
26. Invited speaker Food Systems for Healthier Diets. Keynote at France-CGIAR Workshop for Cooperation on Food Systems for Nutrition. September 9-10 2019. INRA, Paris
27. Invited speaker Food systems for healthier diets: CGAIR collaboration. Presentation held at the FTA Nutrition Priority Workshop, July 3-4 2019, Bioversity International Headquarters, Rome
28. Invited speaker Environmental sustainability in food based dietary guidelines. Presentation at a Learning Lab on Sustainable Diets: introduction to methods and metrics, June 24-28 2019, ANH Academy, Hyderabad
29. Invited speaker What is a healthy diet? Presentation at a Learning Lab on Sustainable Diets: introduction to methods and metrics, June 24-28 2019, ANH Academy, Hyderabad
30. Key-note speaker Healthier diets from sustainable food systems: is this always a win-win? Keynote M&E for Inclusive & Sustainable Food Systems. April 3 2019, Centre for Development and Innovation, Wageningen University&Research, Wageningen [M&E Conference 2019 - Inge Brouwer - 'Healthier Diets from Sustainable Food Systems' - YouTube](#)
31. Invited speaker Food systems for healthier diets: what is a healthy and sustainable diet. Presentations at the A4NH-CGIAR partner consultation, February 18-19, ILRI, Addis Ababa and March 18-19 2019, IFPRI, Dhaka
32. Invited speaker Overview of A4NH food system framework and narrative. Presentations held at A4NH_CSIRO workshop on Development of a joint research program on food systems in Asia. March 25-26 2019, CSIRO, Brisbane

Panelist and panel moderator

1. Panelist. FAO Science and Innovation Forum 2022 "Science and innovation for better nutrition through healthy diets from sustainable agrifood systems", October 2022
2. Panelist. 5th FAO Geneva Nutrition Dialogue series 'How can dietary guidelines fulfil their potential for agri-food system change?', September 2022
3. Panelist at 'Ensuring Nutritious Diets for Everyone, Everywhere', CGIAR Side-event of the Nutrition for Growth Summit, Tokyo, November 2021
4. Panelist at Launch of the 2021 Rural Development Report of IFAD, September 2021
5. Panelist at UNFSS Pre-Summit Event, Session on 'Food System Transformation for Rural prosperity' organised by IFAD and WUR, July 2021
6. Panelist, Multistakeholder panel on population, food security, nutrition and sustainable development, at the 54th session of the Commission on Population and Development (CPD) April 2021.
7. Panel moderator 'Are public-Private partnerships a must for accelerating the food system transformation, improving nutrition, livelihoods and climate adaptation?', symposium at the Micronutrient Forum 2020 5th Global Conference, November 2020. <https://www.eventscribe.com/2020/MNF-CONNECTED/>
8. Panelist at session Evidence for inclusive and equitable food system transformation, organized by WUR/IFAD during the event Bold Actions for Food as a Force for Good, pre-event to the United Nations Food systems Summit, 24 November 2020 [Bold Actions for Food as a Force for Good - WUR](#)
9. Panelist at Webinar 'Do we need new visions on food security?' Organized by Department of AgroTechnology and Food Sciences, Wageningen University, 4 November 2020 [Webinar: Do we Need New Visions on Food Security? - WUR](#)
10. Panel moderator ANH Academy 2020 Learning Lab on assessing Food [Environments](#) for Healthier Diets, 24 June 2020.
11. Panel discussant in Policy Seminar: Food systems Dashboard: How it will work. Co-organized by IFPRI, A4NH, GAIN and JHU, 27 Jan 2020. [Food Systems Dashboard: How it will work | IFPRI : International Food Policy Research Institute](#)

12. Panelist Engaging with the private sector: a dialogue among multidisciplinary researchers to navigate the contested space. Panel at the A4NH Academy week, June 24-28 2019, ANH Academy, Hyderabad

Proceedings

1. Mekonnen D, Nijhuis AP, Trijsburg LE, Talsma EF, Morley T, Linderhof V, Achterbosch TJ, Brouwer ID. Examining dietary gaps in Ethiopia. Proceedings of the 8th Africa Nutrition Conference, October 1-5, 2017. Addis Ababa, Ethiopia, African Nutrition Society, p145-146, 2018
2. Brouwer ID, Traoré AS, Treche S. (eds). Food based approaches for a healthy nutrition in West Africa. Proceedings of the 2nd International Workshop, Ouagadougou, 23-28 November 2003. Presses Universitaires de Ouagadougou, Ouagadougou, 2004

Reviews

Reviewer of scientific papers for the following journals (Journal of Nutrition, Nutrition, Food Security, Global Food Security, Advances in Nutrition, Africa Health Sciences, BMJ Open, Frontiers in Nutrition, Annals of the New York Academy of Science, International Journal of Environmental Health, Food Policy, International Journal of Qualitative Studies in Health and Well-being)

Interviews and video clips, and blogs

- 2022 Interview for the Vietnamese Broadcasting Company Reportage VTC16: <https://youtu.be/eV7hn4HVak4>
- 2022 Interview importance of healthy diets for the e-course on Food System Governance, Wageningen Center for Development, and Innovation <https://www.youtube.com/watch?v=8xHXEewW6is>
- 2020 Ruben R, McDermott J, Brouwer ID. Reshaping food systems after COVID-19. Blog. A4NH, 2020. <https://a4nh.cgiar.org/2020/04/20/reshaping-food-systems-after-covid-19/>
- 2020 Videoclip on Food Systems for Healthier Diets, [Food Systems for Healthier Diets - YouTube](#)
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