

eICDAM2021 FEBRUARY 8-12, 2021

Theme: a global twenties vision

All times are Central European Times (CET)

Monday February 8	Program	
15.50 - 16.00	Access conference	
16.00 - 16.15	<p style="text-align: center;">Opening ceremony</p> <p style="text-align: center;">Prof. Louise Fresco, president of the Executive board of Wageningen University and Research</p> <p style="text-align: center;">Prof. Dr. Edith Feskens, Dr. Sharon Kirkpatrick, Dr. Jeanne de Vries, ICDAM International Committee</p>	
16.15 - 16.45	<p style="text-align: center;"><i>Introduction by Prof. Edith Feskens</i></p> <p style="text-align: center;"><i>The 24-hour revolution in activity assessment</i></p> <p style="text-align: center;">Prof. Dr. Tim Olds University of South Australia, Adelaide, Australia</p>	
16.45 - 16.55	<p style="text-align: center;">Questions for Prof. Olds (responses to follow in recorded session on February 9)</p>	
17.00 - 18.30	<p>S1. Symposium Methodological issues related to measurement error in assessing diet and physical activity Chair: Sharon Kirkpatrick Introduction Sharon Kirkpatrick Integrating dietary assessments with biomarker measurements in aetiological models Pietro Ferrari Categorizing variables measured with error Hendriek Boshuizen New insights into the effects of time-varying error-prone exposure in the analysis of longitudinal studies of physical activity Victor Kipnis Discussion Doug Midthune</p>	<p>S2. Symposium Free data! NIH-sponsored physical activity measures: MoTrPAC and NHANES Chair: Stephanie George Introduction Free physical activity data! The MoTrPAC story Stephanie George Free physical activity data! The NHANES story Rick Troiano Discussion Stephanie George & Rick Troiano</p>
18.30 - 19.00	<p><i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i></p>	

<p>19.00 – 20.30</p>	<p>S3. Oral presentations Comparison and validation research Chairs: Inge Brouwer and Inge Huybregts 1. Validation of the Web-Based Self-Administered 24-hour Dietary Recall myfood24-Germany: comparison with a weighed dietary record and biomarkers. Stefanie Koch 2. Relative validity of a food frequency questionnaire for assessing dietary patterns and food group intake in older New Zealand adults: The REACH study Kathryn Beck 3. Evaluation of the New Zealand Women’s Food Frequency Questionnaire to assess nutrient intakes in women: the PROMISE Study Rozanne Kruger QUESTIONS AND ANSWERS 4. Reproducibility and validity of the Cancer Prevention Study-3 Modified Food Frequency Questionnaire using multiple 24-hr recalls and biomarkers among a racially/ethnically diverse subgroup Marjorie L. McCullough 5. Accuracy of tablet vs. paper based 24-hour individual dietary recall compared to weighed food records in Burkina Faso and Viet Nam Winnie Bell 6. The dynamic food metabolome: implications for dietary assessment and nutrition research Gunter G Kuhnle QUESTIONS AND ANSWERS</p>	<p>S4. Oral presentations Usual intake analysis Chairs: Marga Ocké and Eileen Gibney 1. Within-person variation in nutrient intakes across populations and settings: implications for the use of external estimates in modeling usual nutrient intake distributions Caitlin French 2. Estimation of habitual dietary consumption with a multiple-source method and validation of its utility against nutritional biomarkers: the United Kingdom National Diet and Nutrition Survey Fumiaki Imamura 3. A new statistical method for estimating usual intakes of nearly-daily consumed foods and nutrients using only one 24-h dietary recall Hanqi Luo QUESTIONS AND ANSWERS 4. Reducing measurement error and strengthening diet-disease associations by combining baseline and repeated dietary intake data: a case-study of fruit intake and IHD risk in UK Biobank Keren Papier 5. Correcting the effects of salt and alcohol intake on blood pressure using simulation extrapolation for 24-hour dietary recall data Timm Intemann 6. Comparing different latent transition models to estimate the usual prevalence of dietary patterns Milton Severo QUESTIONS AND ANSWERS</p>

Tuesday February 9		
12.50 – 13.00	Access conference	
13.00 – 14.30	<p>Questions and Answers Tim Olds</p> <p>(recorded follow up to February 8 keynote)</p>	<p>S6. Symposium Innovative advances in dietary patterns that can help inform population guidelines Chair: Jill Reedy Introduction Jill Reedy Innovative advances in dietary patterns that can help inform population guidelines Angela Liese Temporal dietary patterns identified by a two-stage hierarchical clustering method Yikyung Park Reproducibility of diet-disease associations for exploratory dietary patterns Franziska Jannasch Discussion Sharon Kirkpatrick</p>
14.30 – 15.30	Choice: Workout video, Networking, Poster session, Sponsors, Tour Campus	
15.30 – 16.00	<p>Introduction by Dr. Jeanne de Vries</p> <p><i>Wija's will: reflections and perspectives inspired by Wija van Staveren</i></p> <p>Prof. dr. Lisette de Groot & Prof. Dr. Edith Feskens Wageningen University & Research Center, The Netherlands</p>	
16.00 – 16.15	Questions and answers (live)	
16.15 – 17.00	GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus	
17.00 – 18.30	<p>S7. Oral presentations Combining methods Chairs: Jeanne de Vries and Carla Lopes</p> <p>1. Activity tracking smartphone apps: characterising temporal patterns in app usage and physical activity behaviour Francesca Pontin</p> <p>2. Evaluation of a photographic food record to assess evening meal intake of 18-month-old children in the Baby's First Bites Study Janneke Schultink</p>	<p>S8. Oral presentations Technological advances Chairs: Sharon Kirkpatrick and Alison Eldridge</p> <p>1. Ten years of research on the feasibility and validity of the Automated Self-Administered 24-hour Dietary Assessment Tool: Lessons for the implementation of technology-enabled assessment Sharon Kirkpatrick</p> <p>2. Recent and upcoming enhancements to the Automated Self-Administered 24-hour Dietary</p>

	<p>3. Combination of assessment methods for intake of fatty fish and fruit/vegetables and validation against objective biomarkers. Sophie Hellstrand QUESTIONS AND ANSWERS</p> <p>4. Associations between estimated dietary pesticide residue exposure and mortality in a population-based prospective cohort of men and women Agneta Åkesson</p> <p>5. Potential calcium biomarkers - a systematic review and meta-analysis Suvi Itkonen QUESTIONS AND ANSWERS</p>	<p>Assessment Tool (ASA24) Kirstin Herrick 3. A comparison of food portion size estimation methods: 3D food models vs an online tool using food portion photos (Intake24) Jennifer Bradley QUESTIONS AND ANSWERS</p> <p>4. Relative validity of The Eetmeter - a food diary app to provide healthy diet advice Marga Ocke</p> <p>5. Selection of an automated dietary assessment tool for use in the UK National Diet and Nutrition Survey (NDNS) Rolling Programme (RP) Toni Steer</p> <p>6. Validity of an innovative 2-hour recall smartphone app Desiree Lucassen QUESTIONS AND ANSWERS</p>
<p>18.30 – 19.00</p>	<p><i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i></p>	
<p>19.00 – 20.30</p>	<p>S9. Symposium Understanding and adjusting for the impact of Berkson error arising from prediction equations in nutritional and physical activity epidemiology Chair: Pamela Shaw Methods of analysis when an outcome variable is a prediction with Berkson error Laurence Freedman Estimating the distribution of usual nutrient intake using predicted values from a calibration equation in a complex survey design Daniela Sotres-Alvarez Berkson error with outcome model misspecification: Bias when using predicted values in place of observed covariates Gregory Haber Discussion Grace Yi</p>	<p>S10. Symposium Conducting dietary surveys in low- and middle-income Countries: Challenges, experiences and strategies for improvement Chair: Edwige Landais Introduction Edwige Landais INDDX24: A new global dietary assessment platform to scale up the availability, access, and use of dietary data Jennifer Coates Technical assistance for dietary surveys in low- and middle-income countries: Intake – Center for Dietary Assessment Megan Deitchler Towards FAIR food and nutritional data Carl Lachat Panel discussion Panel</p>

Wednesday February 10		
12.50 – 13.00	Access conference	
13.00 – 14.30	<p>S11. Oral presentations Diet quality and patterns Chairs: Liisa Valsta and Isabelle Moyersoen</p> <p>1. A systematic review of dietary pattern assessment methods Sarah McNaughton</p> <p>2. Identifying dietary patterns using novel supermarket transaction data Michelle Morris</p> <p>3. Socioeconomic inequities in diet quality among Canadian adults: A nationally representative analysis of change between 2004 and 2015 Dana Olstad</p> <p>QUESTIONS AND ANSWERS</p> <p>4. Secular trends in diet-related greenhouse gas emission estimates in Sweden since 2000 – evidence of a shift towards more sustainable food patterns Lauren Lissner</p> <p>5. Multidimensional characterization of alcohol consumption in the Framingham Offspring Study (FOS) – Longitudinal trends 1971-2014 and association with diet quality Niyati Parekh</p> <p>6. The development of a short food frequency questionnaire to assess diet quality in UK adolescents Sarah Shaw</p> <p>QUESTIONS AND ANSWERS</p>	<p>S12. Oral presentations Machine learning Chairs: Jason Morgenstern and Guido Camps</p> <p>1. Development of a machine-readable knowledge base for nutritional and dietary assessment data Chen Yang</p> <p>2. Development of machine learning prediction models to explore nutrients predictive of cardiovascular disease using Canadian linked population-based data Jason Morgenstern</p> <p>3. Addressing truncation in diet quality index scoring Glenn Ricart</p> <p>QUESTIONS AND ANSWERS</p> <p>4. Feasibility and validity of the Consumer Price Index to measure diet costs in Canada. Gabriella Luongo</p> <p>5. Joint Temporal Dietary and Physical Activity Patterns Associate with Health Status Indicators Heather Eicher-Miller</p> <p>QUESTIONS AND ANSWERS</p>
14.30 – 15.30	<i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i>	
15.30 – 16.00	<p>Introduction by Dr. Sharon Kirkpatrick</p> <p><i>Scaling up dietary assessment globally challenges, inroads, and future opportunities</i></p> <p>Dr. Jennifer Coates , Tufts University, Boston, USA</p>	
16.00 – 16.15	Questions and answers (live)	
16.15 - 17.00	<i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i>	

<p>17.00 – 18.30</p>	<p>S13. Symposium Novel approaches to assessing dietary quality in the food system: combining methods to enhance measurement for dietary surveillance and interventions Chairs: Niyati Parekh & Maya Vadiveloo Introduction Niaty Parekh Evaluating the effect of targeted food incentives on grocery purchases: The Smart Cart Study protocol for a randomized controlled cross-over trial Maya Vadiveloo Application of the NOVA framework to enhance assessment of diet quality in US nationally representative surveys of dietary intake and grocery purchase Filippa Juul Assessing Validity of Self-Reported Dietary Intake within a Mediterranean Diet Clinical Trial Intervention Mercedes Sotos-Pietro Discussion Niyati Parekh</p>	<p>S14. Symposium Measures of dietary patterns and food environments for diverse populations and settings Chair: Sharon Kirkpatrick Introduction Sharon Kirkpatrick Validity of a novel food-based index for measuring diet quality in low- and middle-income countries Sabri Bromage Application and refinement of the Prime Diet Quality Score for different contexts Selma Gicevic A comprehensive approach for adapting and evaluating a Home Food Inventory to meet the cultural needs of diverse populations Jayne Fulkerson Adapting a home food inventory for an urban Minnesota Somali and Latina population Mary Hearst Discussion Leslie Lytle</p>
<p>18.30 – 19.00</p>	<p><i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i></p>	
<p>19.00 – 20.30</p>	<p>S15. Oral presentation Methods on diet quality Chairs: Sandra Crispim and Elise Talsma 1. Dietary diversity indicators and their associations with nutritional adequacy of the diet and health outcomes – a systematic review Eric Verger 2. The Healthy and Sustainable Diet Index: a novel theoretically derived index, applied and evaluated using images collected with the mobile food record Amelia Harray 3. Associations between eating behaviours according to Canada’s Food Guide, diet quality score and cardiometabolic risk markers: insights from the PREDISE study</p>	<p>S16. Oral presentation Biomarkers Chairs: Lisette de Groot and Taymara Abreu 1. Twenty-four hour urinary sucrose and fructose is a good measure of total sugars but not added sugars intake in US participants Natasha Tasevska 2. Validity coefficient of urinary marker of sugar intake is comparable to urinary nitrogen as marker of protein intake in free-living individuals Taymara Abreu 3. Continuous glucose variations as biomarker for the relation between food intake, glucose health status, and wellbeing. Lessons learned and preliminary results from a real-world</p>

	<p>Didier Brassard QUESTIONS AND ANSWERS 4. Designing food databases for Indigenous Populations: lessons learned from South-Western Uganda.</p> <p>Giulia Scarpa 5. VALIDA project: Validating the use of photos for food portion quantification</p> <p>Sandra Crispim 6. Validation of 24-h dietary recall for estimating nutrient intakes and adequacy in adolescents 10-11 and 12-14 y of age in Burkina Faso</p> <p>Joanne Arsenault QUESTIONS AND ANSWERS</p>	<p>study</p> <p>Willem van den Brink QUESTIONS AND ANSWERS 4. Measuring micronutrient intake in children: comparison of 24-hour diet records, 24-hour urine, and duplicate diets for estimating potassium, sodium, and iodine</p> <p>Rachael McLean 5. Can skin colour spectrophotometry be used as an objective biomarker for fruit and vegetable intake in Kenyan adults?</p> <p>Karin Borgonjen - van den Berg 6. The carbon isotope ratio of serum alanine predicts added sugar intake in a controlled feeding study of US postmenopausal women</p> <p>Diane O'Brien QUESTIONS AND ANSWERS</p>

Thursday February 11	
12.50 – 13.00	Access conference
13.00 – 14.30	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>S17. Symposium Closing the gap with digital dietary assessment Chair: Alison Eldridge Introduction Alison Eldridge Current reality and gaps in digital dietary assessment tools Anne-Kathrin Illner Closing the gap on 24-h recalls Sai Krupa Das Closing the gap on individualised feedback Eileen Gibney The future of digital dietary assessment Damian Mehers Discussion</p> </div> <div style="width: 48%;"> <p>S18. Symposium Biomarkers for food and beverage intake – results from the FoodBall project Chair: Edith Feskens Introduction Foodball project Edith Feskens Finding and Validating Biomarkers of Food and Beverage Intake by Metabolomics Lars Dragsted Biomarkers for Cola beverage consumption identified by untargeted GC-MS-based metabolomics approaches Carina Mack Non-targeted and targeted metabolomics to identify and validate biomarkers of fermented dairy intake Katherine Li Metabolomics-based dietary biomarkers in nutritional epidemiology - current status and future opportunities Lorraine Brennan Discussion Edith Feskens</p> </div> </div>
14.30 – 15.30	<i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i>
15.30 – 16.00	<p>Introduction by prof. Edith Feskens</p> <p style="text-align: center;">Measuring the quantity and quality of physical activity, where's the balance?</p> <p style="text-align: center;">Prof. Dr Gareth Stratton Swansea University, Swansea, UK</p>
16.00 – 16.15	Questions and answers (live)
16.15 – 17.00	<i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i>
17.00 – 18.30	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>S19. Oral presentation Statistical methods Chairs: Edith Feskens and Pamela Shaw 1. What do Australian adults eat for snacks? A latent variable mixture modelling approach Rebecca Leech 2. Are predictive equations for estimating total energy intake</p> </div> <div style="width: 48%;"> <p>S20. Oral presentations Development of methods Chairs: Janet Cade and Rick Troiano 1. Nutritools: an interactive guided website including validated dietary assessment tools and a food questionnaire creator Janet Cade 2. Development of the Dutch food consumption application DitEetIk!</p> </div> </div>

	<p>reliable in older adults? Lais Duarte Batista 3. Comparison of several energy intake misreport identification methods on the accuracy of nutrient intake estimations using urinary biomarkers Vânia Magalhães QUESTIONS AND ANSWERS 4. Improving the Health Eating Index: Application of two novel methods to empirically reweight a composite diet score. Eli Kravitz 5. Predicting mortality in the National Health and Nutrition Examination Survey using a lasso-weighted and 6-component Healthy Eating Index-2015 Haley Parker 6. Substitution analyses of diet-related greenhouse gas emissions: How to reduce emissions by switching to plant-based meals for lunch Katarina Bälter QUESTIONS AND ANSWERS</p>	<p>Ceciel Dinnissen 3. Environmental sustainability of diet – feasibility of linkage to automated online dietary assessment tools Holly Rippin QUESTIONS AND ANSWERS 4. Comparison of large-scale grocery purchases and individual-level food consumption: results from the LoCard-study Henna Vepsäläinen 5. The Development of a Total Nutrient Index Using Nationally Representative Data from Adults in the United States. Alexandra Cowan 6. The relationship between adults' dietary intakes and food insecurity status in Canada: implications for future population assessment Joy Hutchinson QUESTIONS AND ANSWERS</p>
<p>18.30 – 19.00</p>	<p><i>GET INVOLVED: Networking, posters, sponsors, workout</i></p>	
<p>19.00 – 20.30</p>	<p>S21. Symposium Statistical considerations for the use of biomarkers to assess dietary intake Chair: Lorraine Brennan Introduction Lorraine Brennan Calibration of Amino Acid Stable Carbon Isotope Ratios As Biomarkers of Human Diet Pamela Shaw Estimating habitual salt intake distribution from 24-h urinary sodium excretion and the potential of the use of external within-person variance Janneke Verkaik- Kloosterman Prediction equations for blood concentration markers for carotenoids, tocopherols, retinol, vitamin B12 and folate in the HCHS/SOL Nutrition and Physical Activity Assessment Study</p>	<p>Presentations of 10 nominees for the poster prize Chairs: Sandra Crispim and Jeanne de Vries</p>

	<p>Lillian Boe Spot urine biomarkers and 24-hour dietary recalls: validation and measurement error correction</p> <p>Iris Pigeot Discussion</p> <p>Lorraine Brennan</p>	

Friday February 12		
12.50 – 13.00	Access conference	
13.00 – 14.30	<p>S23. Oral presentations Contextual factors Chairs: Christophe Matthys and Maijaliisa Erkkola</p> <ol style="list-style-type: none"> 1. Development of a Dutch Diet History Questionnaire to assess the dietary intake of low SES pregnant women Jeanne de Vries 2. Ranking barriers to healthy eating in young adults: application of a discrete choice experiment Katherine Livingstone 3. The impact of sugar-sweetened beverages consumption on healthy food markers: National Dietary Survey 2008-2009 Maria Eliza de Mattos or Tobler Mastrangelo <p>QUESTIONS AND ANSWERS</p> <ol style="list-style-type: none"> 4. Examining the effect of voluntary fortification on usual nutrient intakes in the Canadian population Valerie Tarasuk 5. Restricting promotions of unhealthy foods and beverages by price and location: applying UK Nutrient Profiling Models to a retail product dataset. Michelle Morris 6. Investigating eating architecture: how precise does time of eating have to be? Laura Johnson <p>QUESTIONS AND ANSWERS</p>	<p>S24. Oral presentations Databases Chairs: Anne-Kathrin Illner and Karin Borgonjen</p> <ol style="list-style-type: none"> 1. Stage 1- Rationalisation of the UK Nutrient Databank to enable the UK National Diet and Nutrition Survey to move to a web-based 24hr recall (Intake24) Birdem Amoutzopoulos 2. Enhancing qualitative assessment of complex food behaviors through free-listing informed mind-mapping: development and feasibility analysis Shahmir H. Ali 3. NOVA food classification: how specific does survey data need to be collected? Vanessa Cardozo Mendes Elias <p>QUESTIONS AND ANSWERS</p> <ol style="list-style-type: none"> 4. FAO/WHO Global Individual Food consumption data Tool (FAO/WHO GIFT): increasing the availability, harmonization and use of individual quantitative food consumption data worldwide Rita Ferreira de Sousa/VP de Quadros 5. EU Menu project harmonised food consumption data collection and challenges to face Sofia Ioannidou 6. Methodology for estimating the intake of free sugars: a food disaggregation approach in the context of the Finnish food composition database Niina Kaartinen <p>QUESTIONS AND ANSWERS</p>
14.30 – 15.00	<i>GET INVOLVED: Workout video, Networking, Poster session, Sponsors, Tour Campus</i>	

15.00 – 15.30	Poster awards <i>Sandra Crispim and Jeanne de Vries</i>
15.30 – 16.30	<i>Discussion and setting research agenda</i> <i>A global twenties vision</i> Prof. Dr. Edith Feskens and Prof. Dr. Mikael Fogelholm <i>Moderator: dr. Guido Camps</i>
16.30 – 17.00	Closing of the conference Prof. Edith Feskens and Dr. Jeanne de Vries The Future of ICDAM - Dr. Sharon Kirkpatrick