

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Committee on Harmonization of Methods for
Estimating Nutrient Intake References**

20 September, 2017

**Headquarters of the Food and Agriculture Organization of the United Nations
Ethiopia Room
Viale delle Terme di Caracalla
Rome, Italy**

Meeting Objectives

- To understand the National Academies study process, and committee member's roles and responsibilities; to clarify the committee's strategy for this report.
- To clarify how the sponsor and other stakeholders will use the final report and coming to consensus on how to organize the report, preparing for the workshop.
- To start deliberation on key topics in the report.

PRELIMINARY AGENDA

SESSION 1: CLOSED SESSION: REPORT STRATEGY

9:00 Discussion

10:15 Break

SESSION 2: OPEN SESSION: BACKGROUND AND NEED FOR CONSENSUS

10:30 The uses for the report and reasons for current divergence in methods

Anna Lartey Director, Food Agriculture Organization

Chizuru Nishida, Coordinator, Nutrition Policy and Scientific Advice, Department of Nutrition for Health and Development, WHO

12:00 Overview of workshop and key themes for the committee

Ann Yaktine, Board Director, National Academies of Sciences, Engineering, and Medicine

12:30 Lunch

SESSION 3: CLOSED SESSION: REPORT DELIBERATION

1:30 Discussion

2:15 Break

2:30 Discussion

4:00 Adjourn

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Global Harmonization of Methodological Approaches to Nutrient Intake Recommendations

21-22 September 2017

**Headquarters of the Food and Agriculture Organization of the United Nations
Viale delle Terme di Caracalla
Rome, Italy**

Workshop Objectives

- Describe potential frameworks to enable global harmonization of methodologies to establish nutrient intake recommendations
- Explore approaches for evaluating the evidence to facilitate global harmonization of methodologies to establish nutrient intake recommendations
- Examine the potential for addressing contextual factors from different population subgroups, regions, and countries that may or may not be conducive to harmonization
- Consider approaches to facilitate global sharing of resources to maintain quality and support cost-effectiveness to develop methodologies for nutrient intake recommendations
- Identify the advantages, barriers, and challenges to global harmonization of methodologies to establish nutrient intake recommendations

PRELIMINARY AGENDA

Day 1

8:30 am Registration

INTRODUCTION AND OPENING REMARKS

9:00 Welcome

Kostas Stamoulis, FAO Assistant Director-General, Economic and Social Development Department

Stephanie Atkinson, McMaster University, Planning Committee Chair

9:15 Defining the Problem: Partner Panel (5 minutes each)

- World Health Organization, *Francesco Branca, Director, Department for Nutrition for Health and Development*
- World Health Organization, *Chizuru Nishida, Coordinator, Nutrition Policy and Scientific Advice, Department of Nutrition for Health and Development*
- U.N. Food and Agriculture Organization, *Anna Larrey, Director of Nutrition*

9:30 Background for the Workshop:

Moderated by: Stephanie Atkinson, McMaster University, Planning Committee Chair

Addressing the Problem: The First Attempt

Janet King, Emeritus, University of California Berkeley

Applications and Uses of Nutrient Intake Recommendations

Suzanne Murphy, Emeritus, University of Hawaii

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

SESSION 1: HARMONIZATION FRAMEWORKS

Moderated by: Peter Clifton, University of South Australia

- 10:00 Terminology and Models**
Peter Clifton, University of South Australia
- 10:20 Endpoints – Deficiency vs. Chronic Disease**
Amanda MacFarlane, Health Canada
- 10:40 Guiding Principles for Developing Dietary Reference Intakes Based on Chronic Disease**
Janet King, Emeritus, University of California Berkeley
- 10:50 Discussion with Session Speakers**
- 11:10 Break**
- 11:30 Panel Discussion: Current Models for Establishing Intake Recommendations**
Hasan Hutchinson, Health Canada, Panel Chair and Moderator
UK: Ann Prentice, University of Cambridge
Australia and New Zealand: Peter Clifton, University of South Australia
South Korea: Hee Young Paik, Seoul National University
India: Thingnganing Longvah, National Institute of Nutrition, India

SESSION 2: APPROACHES TO EVALUATING THE EVIDENCE

Moderated by Ann Prentice

- 12:10 Tools for Evaluating Strength and Quality of Evidence**
George Wells, Ottawa Heart Institute
- 12:30 Global Systematic Reviews: How Can it Be Done?**
Joseph Lau, Brown University
- 12:50 Risk-Benefit Analysis**
Hans Verhagen, European Food Safety Authority
- 1:10 Discussion with Session Speakers**
- 1:35 Break for lunch**

SESSION 3: CONTEXTUAL FACTORS: HOST, DIET/ENVIRONMENT, AND HEALTH STATUS

Moderated by Suzanne Murphy, Emeritus, University of Hawaii and John Muyonga, Makerere University

- 2:25 The Role of Host: Genetic Variation**
Patrick Stover, Cornell University
- 2:45 The Role of Host: Physiology**
Anura Kurpad, St. John's Medical College
- 3:05 The Role of Health Status**
Seth Adu-Afarwuah, University of Ghana
Caryl Nowson, Deakin University
- 3:45 The Role of Diet and Environment: Bioavailability, Processing, Environmental Exposure, and Nutrient Interactions**
Rosalind Gibson, University of Otago
Umi Fahmida, University of Indonesia

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

4:20 Panel Discussion with Session Speakers

4:50 Closing Remarks

Stephanie Atkinson, McMaster University, Planning Committee Chair

5:00 Adjourn for the Day

Day 2

SESSION 4: APPLICATIONS, FACILITATING QUALITY, AND COST EFFECTIVENESS

Moderated by: Lindsay Allen, University of California Davis

8:30 am Setting the Stage for Participant Discussion

Catherine Leclercq, U.N. Food and Agriculture Organization

8:45 Breakout Group Topics for Participant Discussion:

- What are the advantages of global harmonization of methodologies for developing nutrient intake recommendations, from your standpoint?
- What additional resources and expertise would facilitate adoption of a harmonized approach in your region/country?
- What are the likely barriers and challenges to achieving global harmonization from your standpoint?

10:00 Rapporteurs Report on Breakout Discussion

10:30 Break

11:00 Synthesis of Breakout Discussion

Lindsay Allen, University of California Davis

SESSION 5: ADVANTAGES, BARRIERS, AND CHALLENGES TO GLOBAL HARMONIZATION OF METHODOLOGIES FOR NUTRIENT INTAKE RECOMMENDATIONS

11:30 *Moderated by: Susan Fairweather-Tait, University of East Anglia and Amanda MacFarlane, Health Canada*

Panel Discussion - Experiences from Countries that Have Collaborated Countries/Entities Reporting:

SE Asia: Emorn Udomkesmalee, Mahidol University

EURRECA – Christophe Matthys, University of Leuven

EFSA – Hildegard Przyrembel, Federal Institute for Risk Assessment

Africa – James Ntambi, University of Wisconsin-Madison

Norway – Helle Margrete Meltzer, Norwegian Institute of Public Health

Topics for Discussion:

- Similarities and differences
- Challenges and advantages
- Mechanisms that could be considered for setting priorities for activities, e.g. systematic reviews, toolkits, technical briefs
- Potential for acceptance of methodological approaches across countries
- Potential ways forward

1:00 pm Chair's Summary and Discussion of Next Steps

Stephanie Atkinson, McMaster University, Planning Committee Chair

1:30 pm Adjourn Workshop

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

2:30 pm

Open Discussion

An open discussion featuring experts *Rosalind Gibson, Suzanne Murphy, Anura Kurpad, Ann Prentice, Hee Young Paik, Stephanie Atkinson, John Muyonga, Robert Black, Lindsay Allen, Zulfikar Bhutta, Susan Fairweather-Tait, Wafaie Fawzi, Mary L'Abbe, Laura Martino, Hildegard Przyrembel, Emorn Udomkesmalee, Anna Lartey, and Chizuru Nishida.*

4:30 pm

Adjourn Meeting