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

<table>
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<th>Workshop Objectives</th>
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<td>• Describe potential frameworks to enable global harmonization of methodologies to establish nutrient intake recommendations</td>
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<td>• Explore approaches for evaluating the evidence to facilitate global harmonization of methodologies to establish nutrient intake recommendations</td>
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<td>• Examine the potential for addressing contextual factors from different population subgroups, regions, and countries that may or may not be conducive to harmonization</td>
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<td>• Consider approaches to facilitate global sharing of resources to maintain quality and support cost-effectiveness to develop methodologies for nutrient intake recommendations</td>
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<td>• Identify the advantages, barriers, and challenges to global harmonization of methodologies to establish nutrient intake recommendations</td>
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Day 1

8:30 am     Registration

INTRODUCTION AND OPENING REMARKS

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<th>Time</th>
<th>Session</th>
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<tr>
<td>9:00</td>
<td>Welcome</td>
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<tr>
<td></td>
<td>Kostas Stamoulis, FAO Assistant Director-General, Economic and Social Development Department</td>
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<td>Stephanie Atkinson, McMaster University, Planning Committee Chair</td>
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<td>9:15</td>
<td>Defining the Problem: Partner Panel</td>
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<td></td>
<td>• World Health Organization, Chizuru Nishida, Coordinator, Nutrition Policy and Scientific Advice, Department of Nutrition for Health and Development</td>
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<td>• U.N. Food and Agriculture Organization, Anna Lartey, Director of Nutrition</td>
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<td>9:30</td>
<td>Background for the Workshop:</td>
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<td>Moderated by: Stephanie Atkinson, McMaster University, Planning Committee Chair</td>
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<td>Harmonizing the Nutrient Intake Values: Phase 1</td>
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<td>Janet King, Children’s Hospital Oakland Research Institute</td>
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<td>Applications and Uses of Nutrient Intake Recommendations</td>
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<td>Suzanne Murphy, Emeritus, University of Hawaii</td>
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SESSION 1: HARMONIZATION FRAMEWORKS

Moderated by: Peter Clifton, University of South Australia

10:00 Termology 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, Children’s Hospital Oakland Research Institute

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: Thirungning Longvah, National Institute of Nutrition, India

SESSION 2: APPROACHES TO EVALUATING THE EVIDENCE

Moderated by Ann Prentice, University of Cambridge

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