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**WELCOME TO**

# **GLOBAL FOOD SECURITY FORUM (GFS2014)**



The Queen's Anniversary Prize for Higher  
and Further Education 2011

***'Meeting Nutritional Needs'***

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7 - 8 July, 2014  
**Putrajaya Marriott Hotel, Malaysia**

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[www.nottingham.ac.uk/globalfoodsecurity](http://www.nottingham.ac.uk/globalfoodsecurity)



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## WELCOME REMARKS

**PROF CHRISTINE ENNEW**

PROVOST AND CEO, UNIVERSITY OF NOTTINGHAM MALAYSIA CAMPUS

**PROF SAYED AZAM-ALI**

CEO, CROPS FOR THE FUTURE RESEARCH CENTRE

**PROF JERRY ROBERTS**

ASSISTANT PRO-VICE CHANCELLOR RESEARCH, UNIVERSITY OF NOTTINGHAM, UK

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## **Global Food Security Forum 2014: Meeting Nutritional Needs – Prof. Jerry Roberts**

### **Session 1 - Global Nutrition Needs: Setting the Scene**

Global overview picture - *Dr. Katrin Engelhardt*

Case study: Asia - *Prof. Khor Geok Lin*

Case study: Europe - *Prof. Ian Macdonald*

### **Session 2: Southeast Asian Region: Dietary Diversification**

Setting the scene: Mapping the issues facing Southeast Asian countries - *Ms. Nomindelger Bayasgalanbat*

Nutrition challenges and priorities in Southeast Asian - *Dr. Pattanee Winichagoon*

Adapting western products for Southeast Asian/ DE market needs - *Prof. Asna Urooj*

Changing trends in Southeast Asian dietary patterns - *Dr. Soon Jan Mei*

### **Session 3: Nutrition and Health**

Disease and health risk from excess meat intake - *Prof. Andy Salter*

Nutritious leafy vegetables: underutilised, potentially important contributors to health and food security - *Dr. Graham Lyons*

Molecular aspects-nutrition and health - *Dr. Mobin Siddique*

The impact of plant cell walls on plant fitness, human health and biofuels - *Dr. Rachel Burton*

Micronutrient deficiency in Southeast Asian – *Dr. Umi Fahmida*

### **Session 4: Food Supply - Quality, Sustainability and Meeting the Demand**

Food Supply – Sustainable Resourcing & Production Constraints : From Industrial Point of View - *Mr. Charlie Tan Chai Lin*

Engaging the supply chain: Regional networks/ regional knowledge - *Dr. Yee Chow Boi*

The contribution of Family Farmers to food provision - *Mr. Patrick Mulvany*

Animal production- improving feed conversion efficiencies - *Prof. Julian Wiseman*

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## Session 5: Approaches to Improve Food and Nutritional Security – Part 1

How should we look at underutilised crops? - *Prof. Sayed Azam-Ali*

Role of indigenous vegetables to achieve food and nutritional security - *Dr. Victor Afari-Sefa*

Plant biotechnology for food and nutritional security - *Prof. Diane Mather*

Spatial aspects of hidden hunger - *Mr. Edward Joy*

Reducing Food Wastage - *Prof. Asgar Ali*

Aquaculture - diversifying nutrition through fish - *Prof. Charles Sungchul Bai*

Alternative food source for aquaculture - *Dr. George Hall*

Strategies for improved animal production - *Prof. Kym Abbott*

Insects as human food - *Mr. Franck Ducharme*

## Session 5: Approaches to Improve Food and Nutritional Security – Part 2

Foods for healthy futures - *Prof. Rob Gibson*

Nutrigenomic: An approach to achieve food and nutritional security - *Dr. Indu Bala Jaganath*

Sago as an approach to food and nutritional security - *Prof. Yoshinori Yamamoto*

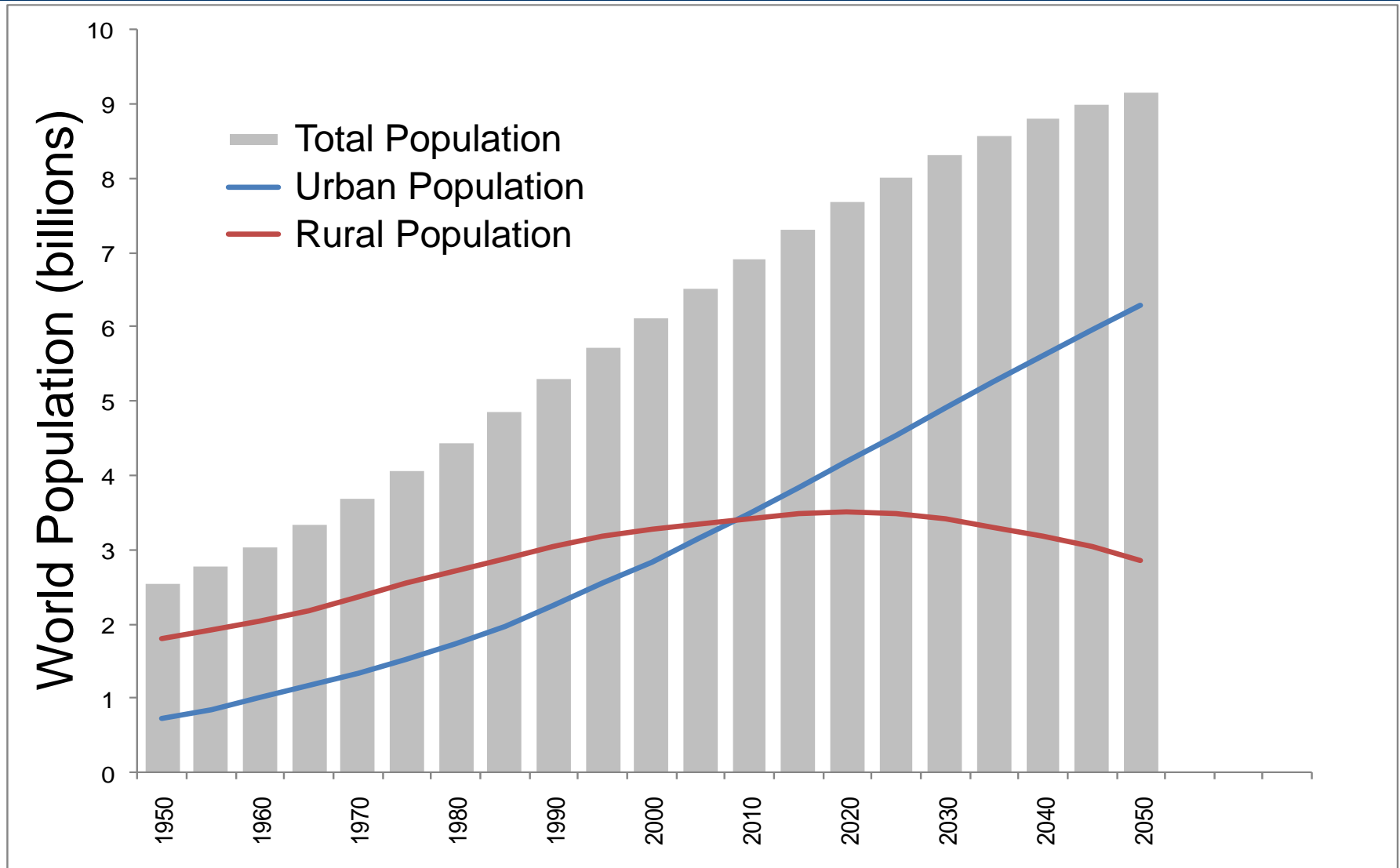
Approaches taken in Bangladesh to assure food and nutritional security for improved livelihoods - *Mr. Abdur Rob*

# Global Food Security Forum 2014

## Meeting Nutritional Needs



Professor Jerry Roberts  
University of Nottingham



The urban and rural population of the world, 1950-2050



... exists when all people, at all times, have **physical and economic access** to sufficient, safe, and nutritious food to meet their dietary needs and food preferences for an active and healthy life.

*(World Food Summit 1996)*



Global  
Top 100  
University

# 1<sup>st</sup> GFS forum held in Shanghai, China ~ 2012



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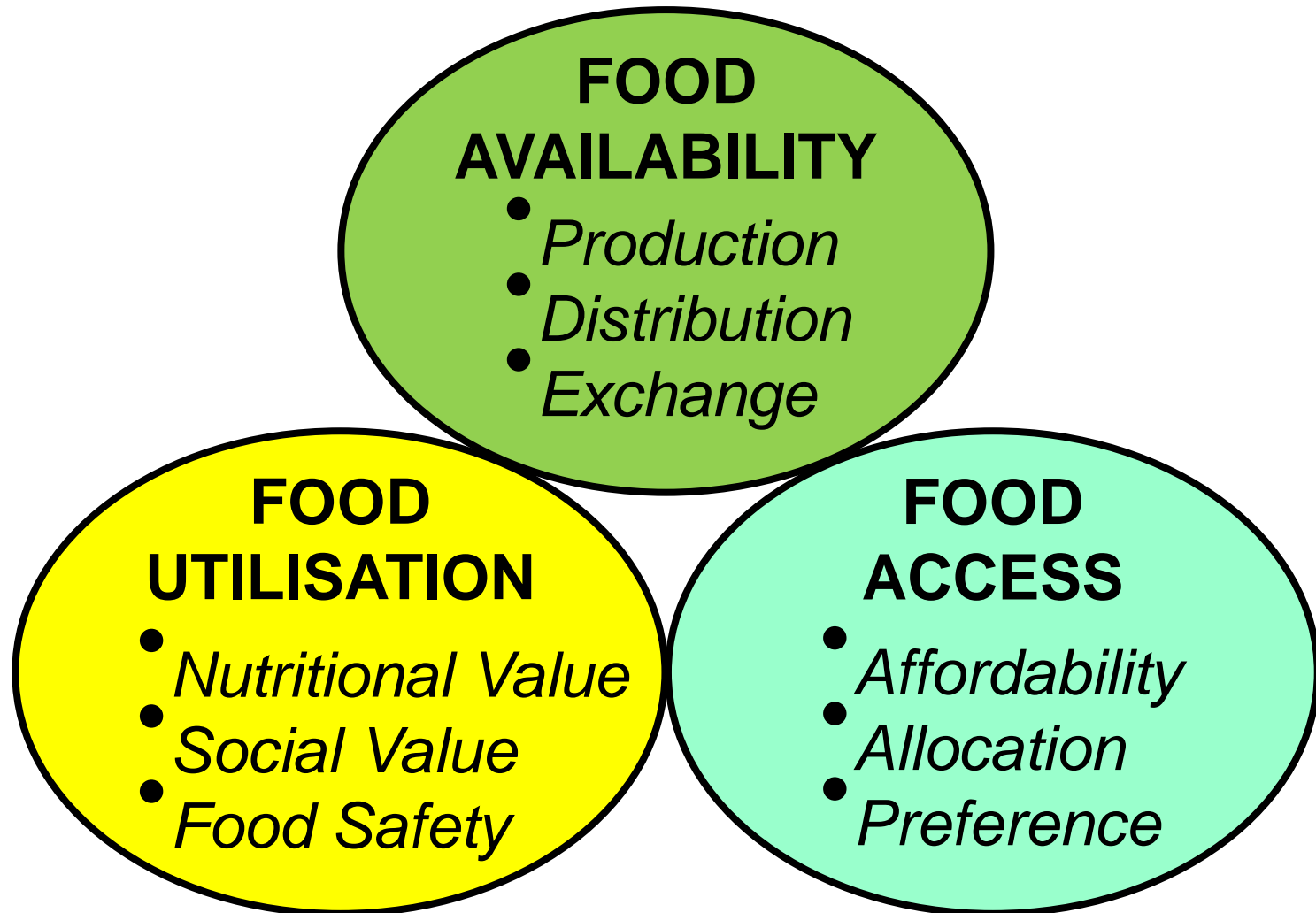
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## The Queen's Anniversary Prize for Higher and Further Education 2011









Prevalence of Undernourishment in Total Population (%)

