



ORGANIZATION OF AFRICAN UNITY  
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COMMISSION SCIENTIFIQUE, TECHNIQUE ET  
DE LA RECHERCHE



Semi-Arid Food Grain Research and Development  
Recherche et Développement des Cultures Vivrières dans les Zones Semi-Arides

MISSION REPORT ON A-2020 VISION:  
AN INTERNATIONAL CONFERENCE FOR FOOD,  
AGRICULTURE AND THE ENVIRONMENT.

9-14 JUNE, 1995  
WASHINGTON D.C. U.S.A.

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Report of the Ag. International Coordinator, OAU/STRC-SAFGRAD, Ouagadougou,  
Burkina Faso.

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MISSION REPORT ON A-2020 VISION<sup>1</sup>:  
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AGRICULTURE AND THE ENVIRONMENT  
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I. INTRODUCTION.

The conference was jointly hosted by the Food Policy Research Institute (IFPRI) and the National Geographic Society. The major focus of the conference has been to build awareness and global vision in order to identify solutions for meeting the challenges of food production to feed and shelter 2.5 billion additional people by the year 2020, without endangering the environment.

About 400 participants (Annex 1) from various research and development organizations, multilateral institutions (World Bank, IFAD, FAO, ADB, UNDP, IDRC, SIDA, UNICEF, USAID, European Union, IARCs, etc.), universities, NGOs, policy makers (parliamentarians) and private non-profit making foundations attended the conference.

The Vice President of Uganda, the President of the National Geographic Magazine, and Chair of the IFPRI Board of Trustees, gave brief welcoming address. It was emphasized that:

- (a) Natural resource issues, such as the efficient use of water, maximum utilization of land and building the resource base for sustainable food production, are key for future survival of the fauna and flora, including human population;
- (b) The food security struggle is not yet won. Close to one billion people in Africa, Asia, and Latin America do not have access to sufficient food and quality nutrition;

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<sup>1</sup> By Taye Bezuneh, Ag. International Coordinator, OAU/STRC-SAFGRAD, Ouagadougou, Burkina Faso.

- (c) Current food security and environment degradation could be alleviated, if equal access to land, credit, education, etc. is also provided to women.

II. Technical Sessions:

Several technical and policy papers were presented (Annex 2). In general, this session focused on:

- 1.0. AN ASSESSMENT AND ANALYSIS OF THE EXPERIENCE OF THE PAST 25 YEARS AND ROLLING IT INTO CURRENT PERSPECTIVES: successes, failures and lessons learned in feeding the world and management of natural resources were identified. This mission report highlights on issues and experiences pertaining to Africa.

Lessons learned:

- 1.2. In the past 25 years, most African governments have failed to alleviate poverty and famine due to lack of good governance and adequate investments in agriculture. Furthermore, programmes in agriculture, health, education, etc. were not targetted to improve the living condition of the poor.
- 1.2. In the past five decades, human induced degradation of land in Africa has been due to overgrazing, 243 million ha; deforestation, 67 million ha; and agricultural mismanagement, 63 million ha.
- 1.3. Few lessons learned suggest agriculture development and natural resource management have been enhanced, when local people are empowered to manage their own resources, secure legal rights to land, water use, etc.

- 1.4. Challenge of food production lies through improving productivity in both rainfed and irrigated areas and by integrating crop/livestock and agroforestry systems.
- 1.5. There is a growing concern that, the application of more productive technologies requiring high inputs have contributed to the degradation of the environment for example, the pollution of lakes, coastal zones, rivers, salinity, depletion of the soil organic matter. While this may be generally true, there has been more advantage of using more productive technologies in that, it enhanced the "Green Revolution" in meeting the food production requirements for rapidly increasing population.
- 1.6. In some countries, for example in Kenya, Burkina Faso, Ethiopia, etc. heavily degraded land a few decades ago, have been rehabilitated to sustain two to five fold increase of population and three fold increase in per capita agricultural production (in Kenya).
- 1.7. As the 20th Century rolled into 21st, the major concern is that scarcity of land and water resources and environmental degradation, soil erosion, pollution, and loss of biodiversity might constrain the expansion of food production to feed additional 2.5 billion people by 2020. One school of thought argues that, available and new technologies will not be able to raise food production at the level to cope with population increase without degradation of the resource base, such as depleting of nutrients, water, etc. The other school of thought postulates that, technological breakthroughs will at least double or triple yields of the major crops without environmental degradation. Furthermore, agricultural intensification through

integration of crops/livestock/agroforestry systems would enhance not only recycling of renewable resources and build the resource base, but also could sustain productivity.

## 2.0. WHAT ACTIONS AND PROGRAMMES SHOULD BE UNDERTAKEN FOR ACHIEVING THE 2020 VISION?

Worldwide, over one billion people live on less than a dollar a day, 800 million people go to bed hungry, and over 200 million preschool children are malnourished. Thus, there is tremendous human suffering. Business as usual will result in increased poverty particularly, in sub-saharan Africa. The following policy and economic development actions are suggested to particularly meet the challenge of food production for 2.5 billion additional people, to prevent environmental degradation and to eradicate poverty and malnutrition:

### 2.1. *Investment in people with emphasis on the poor.*

The poor, if they are to increase their capacity to earn a decent livelihood need access to education, employment, resources such as land and credit, primary health care. The aim would be to eradicate widespread poverty, food insecurity, malnutrition and poor health. Special attention should be given to women in these activities.

### 2.2. *There is need to map African Development Agenda responsive*

*to poor resource farmers.* Most African countries, need to substantially increase their investments in agricultural development. African countries, which are predominantly agricultural in terms of economy and livelihood, should improve their food production and not depend on imports. Because, agricultural growth stimulates economic growth in non farm sectors, which, in turn result in employment and reduced poverty.

- 2.3. The future outlook for sustaining current level or to triple yields of major staple food crops, (such as rice, wheat, maize, sorghum etc.) would not be easy. Furthermore, there is critical need for designing appropriate environmentally friendly technologies. Time is running out. Politicians and leaders of various countries need to take actions and make decisions now to prevent global food crisis and deterioration of the environment in the next 25 years.
- 2.4. Most African countries must sharply expand their investment in agricultural research and extension to raise economic growth in the agricultural sector.
- 2.5. African countries should target to double or triple yields of major staple crops in a sustainable manner. Soil fertility, particularly N and P are low in Sub-Saharan Africa (SSA). To reverse the situation, farmers must apply nutrients from both organic and inorganic sources. Fertilizers prices being beyond the resources of poor farmers, and considering the magnitude of the soil fertility problems in SSA, government policies will need to provide incentives for farmers. In the short-term, the most viable option for African governments is to help farmers pay for fertilizers.
- 2.6. Narrowing the gap between potential and actual yields with technologies that are currently available. Through application of location-specific technologies, timely delivery of appropriate inputs, conducive public policies in land reform and marketing, and availability of credit, it will be possible to double or triple yields of major staple food crops.

- 2.7. Efficient water use and management is required. Water scarcity pose serious threats both to health, and agricultural production and the environment.
- 2.8. More investment in rural infrastructure and in communication is needed. These include feeder roads, rural electrification, market structures, systems, and services. Governments public and private institutions should facilitate to reduce cost for the movement of agricultural goods from farmer to consumer.
- 2.9. Increased export of agricultural commodities from Africa to developed countries at fair prices and on long-term basis should effectively be negotiated.

#### SUMMARY.

*The 2020 Vision was not intended to provide specific programme of action to any region or country. As outlined above, the 2020 Vision conference has provided broader concept, analysis and strategies to tackle the alleviation of poverty, malnutrition, the degradation of the resource base.*

#### III. Relevance of the 2020 Vision International Conference to OAU/STRC-SAFGRAD Activities.

The detail analysis of the papers presented and discussion held clearly showed, SSA, must attain a quantum leap in food production. The urgent need is to map the African agenda for agricultural development (at OAU level), that is responsive to poor resource farmers and women. The technology transfer and utilization programme of SAFGRAD can be modified and targetted to raise the income and livelihood of poor farmers including women.

A lot of the quantitative data and conceptual strategy of the 2020 Vision would be used to revise the current OAU/ECA/ADB joint programme initiative entitled "A-Participatory Approach for the Management of Agriculture and the Environment at a Village Level".

#### IV. Other Contacts.

While in Washington D.C., I contacted the following offices and held discussion on SAFGRAD matters.

##### USAID-Africa Bureau.

###### 1.1. Southern Africa Bureau.

On 19th June, held discussion with the Dr. Wilbur Thomas, current Director for Southern African Affairs. Dr. Thomas, as USAID Director to Burkina Faso between 1989-91, is fully aware of SAFGRAD activities. I briefed him of the current and future activities of SAFGRAD. He indicated that, the participation of USAID to support the new joint OAU/ADB/ECA Programme on the "Management of Agriculture and the Environment at a Village Level" can be explored. Regarding USAID research and development in the 11 countries in Southern Africa, which his office administers, he is interested to receive more information on the above programme. Dr. Thomas was pleased to receive the new brochure entitled: "OAU/STRC-SAFGRAD - 15 Years of Service to National Agricultural Research Systems and Farmers". He requested for 20 more copies.

###### 1.2. Agricultural Research Bureau.

I met briefly Dr. Alan Schroeder, Entomologist and Dr. M. Mousie, Agricultural Economist took place on 21st June. I



understand, the Africa Bureau in collaboration with SPAAR and CORAF plans to organize a meeting of Agricultural Research Directors of West and Central Africa. The purpose of the meeting would be to establish a regional research coordination unit encompassing West and Central African countries. The new regional research coordination unit will be affiliated with CORAF, (Conference des Responsables de Recherche Agronomique Africaine) a French supported agency in Africa. CORAF is financed largely by the French and it is not a recognized institution by OAU or sub-regional economic units.

The very week, I was in Washington D.C., the fate of USAID was being discussed by the US Congress. Although USAID as an agency may continue, its foreign assistance budget is likely to be slashed considerably. The African Bureau, understandably, is adjusting its programmes at a reduced level (20 to 30%) of the regular funding.

### 1.3. SPAAR.

The meeting with Dr. Toure, the Executive Secretary took place on 23 June. Following briefing on the current activities of both SPAAR and SAFGRAD, Dr. Toure pointed out SPAAR will be interested to work very closely with STRC in the following areas:

- i) To improve national capacity in the transfer and utilization of technology.
- ii) To solicit funds for agricultural research support from member countries of OAU.

- iii) To strengthen regional research coordination through SACCAR, ASARECA (the Association for Strengthening Agricultural Research in Eastern and Central Africa), INSAH and STRC institutions (IBAR, SAFGRAD, etc.) and ASAWRECA (the Association for Strengthening Agricultural Research in West and Central Africa, to be soon established).

## 2.0. Visit to Rodale Institute Research Centre.

This Institute is located near Kutztown, Pennsylvania. I made contacts with Dr. Jonathan Landeck, Director, International Programmes. I visited the facilities of the Institute from 26 to 28 June. After lengthy discussion and brain storming session, the following areas of collaboration between Rodale Institute and OAU/STRC-SAFGRAD were explored:

- (i) To promote regenerative or sustainable agriculture in Africa. In 1995, a joint collaborative programme involving five countries would be developed. The long-term goal of the programme would be to transform current global agricultural systems based on high-input requiring technologies, into a system that apply regenerative principles and practices (i.e. cereal/legume rotation, composting, green manuring, intercropping, agroforestry systems, livestock/crop integration, etc.) that minimizes the use of external inputs, such as pesticides.
- (ii) To jointly organize special seminary/workshops and training on regenerative agriculture. Currently, Rodale Institute collaborative programmes are operational in Russia, Guatemala and Senegal.



# **A 2020 VISION FOR FOOD, AGRICULTURE, AND THE ENVIRONMENT**

Jointly Hosted by the International Food Policy Research Institute  
and the National Geographic Society

June 13-15, 1995

Gilbert H. Grosvenor Auditorium of the National Geographic Society  
1600 M Street, N.W., Washington, D.C.

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# A 2020 Vision for Food, Agriculture, and the Environment

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Annex 2.

## *Agenda*

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*Jointly Hosted by the  
International Food Policy  
Research Institute and the  
National Geographic Society*

2020  
VISION

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*June 13-15, 1995*

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*Gilbert H. Grosvenor Auditorium  
of the National Geographic Society  
1600 M Street, N.W.  
Washington, D.C.*

TUESDAY, JUNE 13

7:30 REGISTRATION

*Morning Sessions:*

9:00 OPENING

MODERATOR

*David Nygaard, 2020 Coordinator, IFPRI*

WELCOME

*Gilbert M. Grosvenor, President, National Geographic Society*

*David Bell, Chair, IFPRI Board of Trustees*

*Speciosa Wandira Kazibwe, Vice President of Uganda*

9:30 2020 HINDSIGHT, CHALLENGES, AND VISION

**THE PAST 25 YEARS: SUCCESSES, FAILURES, AND LESSONS LEARNED IN FEEDING THE WORLD**

*An Audiovisual Presentation*

**THE CHALLENGE FOR A 2020 VISION: ~~EXTENT OF TODAY'S HUMAN SUFFERING AND A VIEW TOWARD 2020~~**

*Per Pinstrup-Andersen, Director General, IFPRI*

11:00 KEYNOTE ADDRESS

*J. Brian Atwood, Administrator, United States Agency for International Development*

KEYNOTE ADDRESS

*Speciosa Wandira Kazibwe, Vice President of Uganda*

*Afternoon Sessions:*

14:00 TO THE YEAR 2020: THE IMPACT ON PEOPLE

**WHO WILL GO HUNGRY? SCENARIOS FOR FUTURE GLOBAL AND REGIONAL FOOD SUPPLY AND DEMAND**

*Mark Rosegrant, Research Fellow, IFPRI ✓*

**THE COEXISTENCE OF GLOBAL FOOD SURPLUSES AND FAMINE: POVERTY'S ROLE IN THE FOOD EQUATION**

*Nancy Birdsall, Vice President, Inter-American Development Bank*

**THE DEPLETION OF NATURAL RESOURCES: THE IMPACT ON FOOD**

*Gordon Conway, Vice Chancellor, University of Sussex, United Kingdom*

**INTERNATIONAL PERSPECTIVES ON HUNGER AND THE ENVIRONMENT**

*Klaus-Jürgen Hedrich, Parliamentary Secretary, Ministry for Development Cooperation (BMZ), Germany*

*Bal Ram Jakhar, Union Minister of Agriculture, India*

*✓ Donald Brown, Vice President, International Fund for Agricultural Development (IFAD)*

DISCUSSION

16:30 THE WORLD'S POPULATION IN FLUX: ISSUES AND PRESCRIPTIONS TO 2020

*Margaret Catley-Carlson, President, The Population Council*

*Sudhin K. Mukhopadhyay, Director, Institute for Studies in Population, Agriculture and Rural Change, University of Kalyani, India*

DISCUSSION

**WEDNESDAY, JUNE 14**

*Morning Sessions:*

9:00

**IMPROVING NATURAL RESOURCES TO FEED THE WORLD: PREREQUISITES FOR SUSTAINABLE AGRICULTURE**

*Sara Scherr, Research Fellow, IFPRI*

*Reuben J. Olembó, Deputy Executive Director, United Nations Environment Programme*  
*Lester Brown, President, Worldwatch Institute*

**DISCUSSION**

10:15

**TECHNOLOGY'S CONTRIBUTION TO FEEDING THE WORLD IN 2020**

*Peter Hazell, Director, Environment and Production Technology Policy Division, IFPRI*  
*Hubert Zandstra, Director General, Centro Internacional de la Papa*  
*Gordon Sithole, Chief Agricultural Economist, Ministry of Lands, Agriculture, and Water Development, Zimbabwe*

**TECHNOLOGICAL EXAMPLES**

*Integrated Pest Management in the Andes: César Cardona, Entomologist, Centro Internacional de Agricultura Tropical*

*Using Genetic Maps and Markers to Increase Rice Yields: Susan McCouch, Assistant Professor, Cornell University*

**DISCUSSION**

*Afternoon Sessions:*

14:00

**THE MARCH OF MALNUTRITION TO 2020: WHERE ARE THE SOLUTIONS?**

*Lawrence Haddad, Director, Food Consumption and Nutrition Division, IFPRI*

*Julia Tagwireyi, Director, Department of National Nutrition, Ministry of Health, Zimbabwe*  
*Zafar Altaf, Secretary, Ministry of Food, Agriculture and Livestock, Pakistan*

**DISCUSSION**

15:45

**FEEDING ABUNDANTIA: EXPLORING CRITICAL ISSUES IN FOOD SECURITY**

***A Role-Playing Panel Discussion of Food Security in a Hypothetical Developing Country***

*Susan Dentzer, Chief Economic Correspondent, U.S. News and World Report, Moderator*  
*Moise Mensah, Benin, Former Assistant President, International Fund for Agricultural Development, Role: Leader of Abundantia, President Chakula*

*Teketel Forssido, Minister of Agriculture, Ethiopia, Role: Minister of Agriculture of Abundantia, Kenneth Kornu Kopia*

*Barber Conable, Former President of the World Bank, Role: Head of International Development Agency, Allen Assist*

*Frances Seymour, Senior Program Officer, World Wildlife Fund, Role: Leading International Environmentalist, Grace Green*

*Doug Bandow, Distinguished Fellow, Cato Institute, Role: U.S. Republican Consultant on Foreign Policy, Isidor Isolate*

*Steve Vosti, Research Fellow, IFPRI, Role: Agricultural Researcher and Consultant, Michael Maven*

*Barbara Torrey, Executive Director, Commission on Behavioral and Social Sciences and Education, National Research Council, Role: Population Activist, Mary Malthus*

*Urban Jonsson, Director, UNICEF Regional Office, Nepal, Role: Head of a Major International Relief Organization, Daniel Debacle*

*Blaine Harden, Staff Writer, Washington Post, Role: U.S. Journalist, Sam Scoop*

*Klaus Leisinger, Executive Director, Ciba-Geigy Foundation for Cooperation with Developing Countries, Role: Representative of Globchem Inc. in Africa, Robert Ridpest*

*Sarah Darghouth, Tunisian Student, International School, Role: Abundantia High School Student, Imogen Innocent*

*Raquel Gómez, Coordinator, Colombia Program, Conservation International, Role: Representative of a Southern Nongovernmental Organization, Sonia Socorro*



**THURSDAY, JUNE 15**

*Morning Sessions:*

9:00

**TOWARD A CONSENSUS FOR ACTION**

*Per Pinstrup-Andersen, Director General, IFPRI*

9:30

**REGIONAL VISIONS AND REQUIRED ACTION**

**SUB-SAHARAN AFRICA**

*Baba Dioum, Coordinator-General, Conference of Ministers of Agriculture of West and Central Africa*

**ASIA**

*Sartaj Aziz, Senator, Pakistan*

**LATIN AMERICA**

*Eduardo J. Trigo, Executive Director, Fundacion ArgenINTA, Argentina*

**MIDDLE EAST AND NORTH AFRICA**

*Adel El-Beltagy, Director General, International Center for Agricultural Research in the Dry Areas*

**DISCUSSION**

11:00

**A GLOBAL VISION AND REQUIRED ACTION**

*Anders Wijkman, Assistant Administrator, United Nations Development Programme  
Ismail Serageldin, Vice President, Environmentally Sustainable Development,  
The World Bank*

**DISCUSSION**

12:30

**SUMMING UP**

*Keith Bezanson, President, International Development Research Centre*

12:45

**CLOSING SESSION**

# A 2020 Vision for Food, Agriculture, and the Environment

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Annex 2.

## *Agenda*

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*Jointly Hosted by the  
International Food Policy  
Research Institute and the  
National Geographic Society*

**2020**  
VISION

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*June 13-15, 1995*

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*Gilbert H. Grosvenor Auditorium  
of the National Geographic Society  
1600 M Street, N.W.  
Washington, D.C.*

TUESDAY, JUNE 13

7:30 REGISTRATION

*Morning Sessions:*

9:00 OPENING

MODERATOR

David Nygaard, 2020 Coordinator, IFPRI

WELCOME

Gilbert M. Grosvenor, President, National Geographic Society

David Bell, Chair, IFPRI Board of Trustees

Speciosa Wandira Kazibwe, Vice President of Uganda

9:30 2020 HINDSIGHT, CHALLENGES, AND VISION

~~THE PAST 25 YEARS: SUCCESSES, FAILURES, AND LESSONS LEARNED IN FEEDING THE WORLD~~

~~An Audiovisual Presentation~~

~~THE CHALLENGE FOR A 2020 VISION: EXTENT OF TODAY'S HUMAN SUFFERING AND A VIEW TOWARD 2020~~

~~Per Pinstrup-Andersen, Director General, IFPRI~~

11:00 KEYNOTE ADDRESS

J. Brian Atwood, Administrator, United States Agency for International Development

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Speciosa Wandira Kazibwe, Vice President of Uganda

*Afternoon Sessions:*

14:00 TO THE YEAR 2020: THE IMPACT ON PEOPLE

~~WHO WILL GO HUNGRY? SCENARIOS FOR FUTURE GLOBAL AND REGIONAL FOOD SUPPLY AND DEMAND~~

~~Mark Rosegrant, Research Fellow, IFPRI ✓~~

~~THE COEXISTENCE OF GLOBAL FOOD SURPLUSES AND FAMINE: POVERTY'S ROLE IN THE FOOD EQUATION~~

~~Nancy Birdsall, Vice President, Inter-American Development Bank~~

~~THE DEPLETION OF NATURAL RESOURCES: THE IMPACT ON FOOD~~

~~Gordon Conway, Vice-Chancellor, University of Sussex, United Kingdom~~

INTERNATIONAL PERSPECTIVES ON HUNGER AND THE ENVIRONMENT

Klaus-Jürgen Hedrich, Parliamentary Secretary, Ministry for Development Cooperation (BMZ), Germany

Bal Ram Jakhar, Union Minister of Agriculture, India

✓ Donald Brown, Vice President, International Fund for Agricultural Development (IFAD)

DISCUSSION

16:30 THE WORLD'S POPULATION IN FLUX: ISSUES AND PRESCRIPTIONS TO 2020

Margaret Catley-Carlson, President, The Population Council

Sudhin K. Mukhopadhyay, Director, Institute for Studies in Population, Agriculture and Rural Change, University of Kalyani, India

DISCUSSION

WEDNESDAY, JUNE 14

*Morning Sessions:*

9:00

**IMPROVING NATURAL RESOURCES TO FEED THE WORLD: PREREQUISITES FOR SUSTAINABLE AGRICULTURE**

*Sara Scherr, Research Fellow, IFPRI*

*Reuben J. Olembó, Deputy Executive Director, United Nations Environment Programme*  
*Lester Brown, President, Worldwatch Institute*

**DISCUSSION**

10:15

**TECHNOLOGY'S CONTRIBUTION TO FEEDING THE WORLD IN 2020**

*Peter Hazell, Director, Environment and Production Technology Policy Division, IFPRI*

*Hubert Zandstra, Director General, Centro Internacional de la Papa*

*Gordon Sithole, Chief Agricultural Economist, Ministry of Lands, Agriculture, and Water Development, Zimbabwe*

**TECHNOLOGICAL EXAMPLES**

*Integrated Pest Management in the Andes: César Cardona, Entomologist, Centro Internacional de Agricultura Tropical*

*Using Genetic Maps and Markers to Increase Rice Yields: Susan McCouch, Assistant Professor, Cornell University*

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**THE MARCH OF MALNUTRITION TO 2020: WHERE ARE THE SOLUTIONS?**

*Lawrence Haddad, Director, Food Consumption and Nutrition Division, IFPRI*

*Julia Tagwireyi, Director, Department of National Nutrition, Ministry of Health, Zimbabwe*

*Zafar Altaf, Secretary, Ministry of Food, Agriculture and Livestock, Pakistan*

**DISCUSSION**

15:45

**FEEDING ABUNDANTIA: EXPLORING CRITICAL ISSUES IN FOOD SECURITY**

*A Role-Playing Panel Discussion of Food Security in a Hypothetical Developing Country*

*Susan Dentzer, Chief Economic Correspondent, U.S. News and World Report, Moderator*

*Moise Mensah, Benin, Former Assistant President, International Fund for Agricultural Development, Role: Leader of Abundantia, President Chakula*

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*Frances Seymour, Senior Program Officer, World Wildlife Fund, Role: Leading International Environmentalist, Grace Green*

*Doug Badow, Distinguished Fellow, Cato Institute, Role: U.S. Republican Consultant on Foreign Policy, Isidor Isolate*

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*Raquel Gómez, Coordinator, Colombia Program, Conservation International, Role: Representative of a Southern Nongovernmental Organization, Sonia Socorro*

THURSDAY, JUNE 15

*Morning Sessions:*

9:00

**TOWARD A CONSENSUS FOR ACTION**

*Per Pinstrup-Andersen, Director General, IFPRI*

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**CLOSING SESSION**

Meanwhile, on-the-job group training courses will continue to be carried out by both Networks. With the very encouraging feedback of the performance of the technicians hitherto-trained by the Maize Network, a new set of six participants will be trained in 1990. A joint workshop/seminar of cereal and grain legume agronomists in the sub-region has been planned for the 1990/91 year by the Cowpea, Maize and Sorghum Networks. This will orient participants along the resource-base and needs of the farmers for more effective conception and execution of research projects.

Efforts will be continued in safeguarding and promoting the rapidly emerging leadership of the Networks by NARS scientists. In 1990, there will be exchange visits of members of the Steering Committee to each others' national programs for effective interaction. The Networks appreciate the technical back-stopping given by the IITA core programs through invitation to IITA's annual program review meetings, award of visiting collaborating scientist positions to NARS top scientists, and the provision of seed and vital research materials/equipment. However, in order to achieve the project's principal objective of directing the Network by the NARS scientists themselves, there is a strong need for governments of the Networks' member-countries to provide greater support to maize and cowpea research activities.

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Department of Rural Economy and Agriculture (DREA)

African Union Specialized Technical Office on Research and Development

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1995

# MISSION REPORT ON A-2020 VISION: AN INTERNATIONAL CONFERENCE FOR FOOD, AGRICULTURE AND THE ENVIRONMENT.

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