

International Research Strategies

May 20, 2008

MAFF, JAPAN

The Strategies provide important research topics mainly for developing countries and cross cutting policies, reflecting the recent changes surrounding agriculture, forestry and fisheries in the world.

Recent Changes Surrounding International Research

Tightening global food supply and demand

Emerging global warming

Growing concerns over food safety

Application of GM crops

Intellectual property rights & genetic resources

Regional Research Topics

Africa

- Enhancing the productivity of NERICA
- Developing drought resistant crops using DREB genes
- Improving soil fertility

Asia

- Improving food safety technologies
- Combating avian flu
- Reducing environmental negative impacts (e.g. pesticides, chemical fertilizers)
- Utilizing unused biomass resources

Global Environmental Issues

- Developing technologies for mitigation and adaptation for global warming (e.g. using DREB genes)
- Simulation of influence of global warming through monitoring
- Tackling with infectious diseases

Cross Cutting Policies

Strengthening the frameworks for promoting international research

- Utilizing J-FARD for promoting well-organized international research in Japan
- Enhancing the collaboration with the CGIAR
- Fulfilling the function of the JIRCAS

Human Resources Development

- Training for postdoctoral researchers
- Fostering Japanese researchers with good knowledge of Africa
- Capacity building of young African researchers

J-FARD: Japan Forum on International Agricultural Research for Sustainable Development

CGIAR : Consultative Group on International Agricultural Research

JIRCAS : Japan International Research Center for Agricultural Sciences