GCARD3
2015|2016
GLOBAL CONFERENCE ON AGRICULTURAL RESEARCH FOR DEVELOPMENT

GLOBAL EVENT

JOHANNESBURG SOUTH AFRICA

Theme 2 - Showcasing results and demonstrating impact

The challenge: Agricultural research contributing to achieve the SDGs

What does the SDGs mean for agricultural research in in the Asia-Pacific region

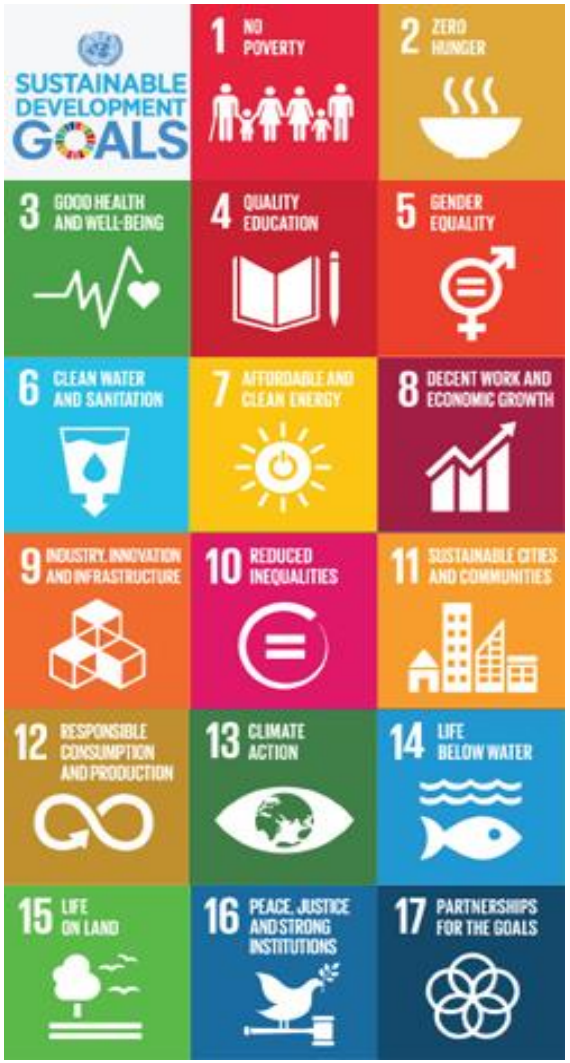
Raghunath Ghodake, Executive Secretary, APAARI

Presentation based on APARI Vision 2030 and the recent review /stock-taking

APAARI Vision 2030

Transforming Our World: The 2030 Agenda

- 17 Sustainable Development Goals (SDGs) and 169 targets
- Integration and balance of the three dimensions: the economic, social and environmental
- To end poverty and hunger, protect the planet, ensure prosperity for all, foster peace, and mobilize partnerships



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Key Issues and Targets Relevant to Agriculture

- Ending extreme poverty
- Productivity and sustainability of agriculture
- Ending hunger and assuring food and nutritional security through affordable, safe, nutritious and healthy food
- Empowering women and youth, especially girls
- Halting biodiversity loss
- Addressing climate change and disasters
- Ensuring sustainable consumption and production patterns - reduced pre- and post harvest losses
- Full productive employment/Sustainable economic growth

Facts Relevant to Asia and the Pacific

No.	Issue	The World	Asia and the Pacific
1	Poverty	836 million extreme poor	418 Million (50%) in the region
2	Hunger and malnourishment	795 million	525 million (66%) in the region
3	Current population	7.4 billion	4.6 billion (62%) in the region, 1.8 billion (40%) directly dependent on agriculture

Contribution of Agri Research to individual SDGs

Goal	Contribution
	Agriculture growth twice as effective in reducing poverty than from any other sector
	Improved agricultural productivity has seen the proportion of undernourished people drop by almost half
	Average per capita consumption to grow through 2030, while 1/3rd food is wasted
	Women produce over half the food worldwide, could reduce global hunger by 17%

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Contribution of Agri Research to individual SDGs

Goal	Contribution
	Energy demand to double; more crops likely to be used as biofuels; 2/3 times as proportion of total use
	Agriculture an engine of pro-poor economic growth; agri-food sector can generate employment/growth
	Agriculture's carbon mitigation potential could reach 7.5% of total based on carbon cost and agricultural productivity
	Improving efficiency of farmland while minimizing the loss of natural habitats / forests and biodiversity

Research Focus in Asia and the Pacific

#	Research Focus Areas
1	Introducing/adapting new technologies (including biotechnology for doubling productivity/sustainability
2	Designing efficient ways of producing /supplying affordable, safe, nutritious and healthy food
3	Introducing/adapting new technologies for reducing pre- and post-harvest losses, value addition/improving efficiency of supply chains
4	Designing systems of integrating smallholder agriculture into manufacturing/agro-industries, business agri-services

Research Focus in Asia and the Pacific

#	Research Focus Area
5	Designing efficient/sustainable management and use of natural resources (water and land), forests and trees
6	Developing systems for mitigation of and adaptation to climate change, weather aberrations /disasters
7	Developing systematic processes of preventing and managing trans-boundary pests and diseases
8	Developing integrated agriculture and food value chain actors and markets for economic growth and efficiency

Research Focus in Asia and the Pacific

#	Research Focus Areas
9	Enhancing application/use of ICTs to promote adoption of agricultural technologies , innovations and best practices
10	Designing /adaptation of sustainable generation and use of energy including bio-energy
11	Designing prioritization and linking of research to development outcomes
12	Undertaking agriculture policy research - investment, research and innovation, infrastructure, institutions, markets and strategies

Expected Contributions to Development Outcomes/ Contributing to Realizing SDGs

1	Greater economies/efficiencies from innovations in agriculture and food systems in the APR
2	Strong foundation for development of agriculture, food and nutritional security, development/growth in various constituencies
3	Increased /improved availability of affordable, safe, healthy, nutritious food and agro-industrial feedstock
4	Greater and effective participation of the APR in globally competitive agricultural products/technology markets
5	Efficient energy utilization, especially in rural areas for agricultural production

Expected Contributions to Development Outcomes/ Contributing to Realizing SDGs

6	Sustainable use, conservation and reduction in wastage and loss of natural resources and biodiversity
7	Improved environment with recreation and preservation of local cultural heritage and
8	Increased overall sustainable livelihoods and environments.
9	Greater participation of women and youth in agricultural development

Conclusion

- The SDGs will shape the next 15 years of agricultural research policies, programs and funding in the Asia-Pacific region.
- Need for evolving and pragmatic research strategy from current to next 14 years to address changing scenarios of opportunities and challenges in realizing SDGs

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