APAARI: An Association of Agricultural Research Institutions in Asia Pacific

- Dialogue on Regional and Global Issues
- Research Prioritization and Need Assessment
- Expert Consultations on Thematic Issues:
  - Biotechnology
  - ICT for knowledge sharing
  - Agricultural Innovations - LFM
  - Biofuels and Food Security
  - Climate Change
  - Food Security and Poverty
  - Biofertilisers and Biopesticides
- Research Collaboration Through:
  - Consortia and Networks
- Knowledge Sharing:
  - Success Stories (> 40 published)
  - Newsletter and Reports

Attaining New Heights

Established in 1990
# EXECUTIVE COMMITTEE
## (2011-2012)

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Chairman</td>
<td>Dr. S. Ayyappan</td>
<td>ICAR, India</td>
</tr>
<tr>
<td>Vice-Chairman</td>
<td>Mr. Mason Smith</td>
<td>MoA and PI, Fiji</td>
</tr>
<tr>
<td>Members</td>
<td>Dr. Abdul Shukor Abd Rahman</td>
<td>MARDI, Malaysia</td>
</tr>
<tr>
<td></td>
<td>Dr. Simon Hearn</td>
<td>ACIAR, Australia</td>
</tr>
<tr>
<td></td>
<td>Ms. Su-San Chang</td>
<td>COA, Chinese Taipei</td>
</tr>
<tr>
<td></td>
<td>Dr. Tashi Samdup</td>
<td>CoRRB, Bhutan</td>
</tr>
<tr>
<td></td>
<td>Dr. Mark Holderness</td>
<td>GFAR, Italy</td>
</tr>
<tr>
<td></td>
<td>Dr. Colin Chartres</td>
<td>IWMI, Sri Lanka</td>
</tr>
<tr>
<td></td>
<td>Fr. Francisco Lucas</td>
<td>NAARAP, Philippines*</td>
</tr>
<tr>
<td></td>
<td>Mr Raul Montemayor</td>
<td>IFAP*</td>
</tr>
<tr>
<td>Executive Secretary</td>
<td>Dr. Raj Paroda</td>
<td>APAARI</td>
</tr>
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### MEMBERSHIP

<table>
<thead>
<tr>
<th>Category</th>
<th>Membership</th>
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<tbody>
<tr>
<td>Regular (NARS)</td>
<td>: 20</td>
</tr>
<tr>
<td>Associate (CG Centers/IARCs)</td>
<td>: 17</td>
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<tr>
<td>Affiliate</td>
<td>: 11</td>
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<tr>
<td>Reciprocal</td>
<td>: 8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>: <strong>56</strong></td>
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</table>

**Upgraded Membership (IAUA, India)** : 1
Asia-Pacific is a major supplier of food, accounting for:

- 38% of the world’s arable land
- 90% of the world’s rice, 40% of its cereals and 40% of its meat
- 70% of the global food and vegetable market
- 80% of the aquaculture market
- Asia feeds nearly 60% of the world’s population from 1/3rd of geographical area
APAARI: PRIORITY SETTING INITIATIVES

- NARS Vision Towards Future Challenges and opportunities, 1995
  - Consultation on Research Priority Setting, 1996
  - Agricultural Research Priorities in Asia-Pacific, 1997
- Consultation on Strategies for Implementing APAARI Vision, 2025, 2001
  - A Synthesis of Agricultural Research Priorities, 2002
- Research Needs Assessment for Central and South Asia, 2004; South East Asia, 2005; and the Pacific, 2005
  - Regional Synthesis of Research Needs, 2006
EXPERT CONSULTATION ON AR4D IN ASIA - PACIFIC – THE WAY AHEAD
BANGKOK, 30-31 OCTOBER, 2009
BANGKOK DECLARATION

ON

REORIENTING AGRICULTURAL RESEARCH FOR DEVELOPMENT IN ASIA-PACIFIC REGION

(Adopted on 31 October, 2009)

Asia-Pacific Association of Agricultural Research Institutions (APAARI)
and
Asian Development Bank (ADB)
Reorientation of AR4D Agenda:

- **Clients**: small farm holders, poor producers, poor consumers
- **Primary production level**:
  1. Ecosystems framework – diversification
  2. Integrated natural resource management - especially land and water
  3. Climate change: adaptation and mitigation
- **Holistic**: food supply chain (inputs sector → primary production → post harvest/processing/marketing → markets)
- **Cross cutting**: knowledge based, socio-economic, policy research, participatory
The GCARD Road Map
Transforming Agricultural Research for Development Systems for Global Impact
GCARD Road Map

Key Messages:

1. AR4D must take into consideration needs of small holder farmers

2. Research reorientation be towards “Farming Systems” approach

3. Investments must be increased three fold

(Indian NARS: From US $ 2 to 4 Billion)
Executive Committee Meeting
TARI, Taichung, Chinese Taipei
26 October 2011

Attended by 32 members and special invitees
Knowledge Sharing
X APARIS Steering Committee Meeting
29 September, 2011 at AIT, Bangkok

- Success Stories on Agricultural Information and Learning Systems

- Regional Workshop on ICM for Agricultural Development

- Collaboration with regional / sub-regional Fora (SAARC, SEARCA, SPC etc).

- Implementation of APAARI Communication Strategy, maintenance of APARIS web space and databases, APAARI on CD-2012

- Success Stories on Innovations in Agricultural Research and Extension Systems

- Assessment of regional investments and capacity in AR4D in collaboration with ASTI/IFPRI

APARIS Work Plan 2012

- APARIS Steering Committee Meeting
Workshop on Information and Communications Management for Agricultural Innovation in South East Asia
At AIT, Bangkok

- **Use of Potential Technologies**- Smart phones, Mobile technologies, Community e-Centres, Linked Open Data, Videoconferencing, Standards.

- **Institutional Transformation**- Leadership, Policies, Strategies, Success Stories / Policy Briefs, Capacity Building, Investment, Research in ICT/ICM

- **Community Participation**- Involvement of Local Govt. / Private Sector, Local Experts / Farmer Scientists; Campaigns through Internet Buses Success Stories, Mass media (radio); Content in Local Language, Traditional Knowledge and Value Added Services; Establishing ICT Centres / ICT Training Centres, Technology Literacy, Free Internet Access and Software Tools to Community.
Recommendations

- **Advocacy for investment**, promoting public-private-community partnerships, cost sharing, partnerships with government departments, creation of consortium

- **Integrating traditional knowledge**, policies for IPR issues, and creation of local contents in local language.

- **Encouraging use of off-line delivery** media, Community e-centers, Mixed media at the community level; Use of Web 2.0 / Social Media to facilitate collaboration

- **Involving NGOs and existing networks** - local councils, women groups, church groups, youth groups, teachers / schools etc., in ICT initiatives

- **Capacity building** at different levels in organizations through sensitization, awareness, training / workshops and success stories

- **Change in institutional work processes**, procedures, rules, regulations and norms.
APAARI Session on “Openness in Agricultural Information and Knowledge Sharing”
10 November, 2012, New Delhi with ICAR and GFAR

Recommendations

• Ensuring access and use of information at farmers level
• Convergence of media and information from agriculture and other areas
• Capacity development in use of ICTs and information
• Strengthening of KVKs, Rural Communities and FOs at local levels.

• Increased and targeted investment in ICT/ICM in agriculture
• New Institutional arrangements – change in work processes
• Developing policies, strategies, rules, norms, regulations
• Recognition, rewarding and awarding systems
• Building institutional capacity

• Creation of community-based organizations: Farmers’ Clubs etc.
• Involving community in assessment of information use
• Convergence of information related to agriculture and non-agriculture issues
• Capacity building of community on use of ICT tools and information.
APAARI Vision 2025

Agricultural Research for Development (ARD) in the Asia-Pacific region is effectively promoted and facilitated through novel partnerships among NARS and other related organizations so that it contributes to sustainable improvements in the productivity of agricultural systems and to the quality of the natural resource base that underpins agriculture, thereby enhancing food and nutrition security, economic and social well being of communities and the integrity of the environment and services it provides.
APAARI DATABASES
APCoAB, a programme of Asia Pacific Association of Agricultural Research Institutions (APAARI), is an apolitical forum with a goal to enhance the benefits of biotechnologies for sustainable agricultural development in the Asia-Pacific region, through greater stakeholder partnerships, improved policy environment, enhanced capacity building and greater public awareness.

Latest Publication
APAARI Newsletter December 2011
APAARI Newsletter, Vol.20, No.2. December, 2011
NEW PUBLICATIONS
Members have been requested to send brief write up for June, 2012 issue
Biofuel Growers Market Network
- A Success Story

REGIONAL DIALOGUE ON CONSERVATION AGRICULTURE IN SOUTH ASIA

NASC Complex, Pusa, New Delhi, India
1-2 November, 2011

PROCEEDINGS AND RECOMMENDATIONS

Organized Jointly by
Asia-Pacific Association of Agricultural Research Institutions (APAARI)
International Maize and Wheat Improvement Centre (CIMMYT)
Indian Council of Agricultural Research (ICAR)
STRENGTHENING NARS

- FORESIGHT
- PARTNERSHIP
- CAPACITY BUILDING
Stakeholders’ Interface on GM Food Crops

RECOMMENDATIONS

Organized by
Asia-Pacific Consortium on Agricultural Biotechnology (APCoAB)
Trust for Advancement of Agricultural Sciences (TAAS)

Co-sponsored by
Indian Council of Agricultural Research (ICAR)

held at
National Agricultural Science Centre, Pusa Campus, New Delhi
19 May, 2011

Proceedings and Recommendations

Expert Consultation on Agricultural Biotechnology, Biosafety and Biosecurity

27-28 October, 2011

Organized by
Asia-Pacific Association of Agricultural Research Institutions (APAARI)
Asia-Pacific Consortium on Agricultural Biotechnology (APCoAB)
Council of Agriculture (COA), Chinese Taipei
Taiwan Agricultural Research Institute (TARI), Chinese Taipei
Regional Workshop organized at Kuala Lumpur on 4-6 November, 2011

44 experts and resource persons participated

Three research areas and 5 research projects conceptualized

Project proposals are being developed in collaboration with BI
Expert Consultation on Agricultural Biotechnology, Biosafety and Biosecurity
27-28 October 2011, TARI, Chinese Taipei
International Training Course on In Vitro and Cryopreservation Techniques for Conservation of PGR
14-26 November 2011, NBPGR, New Delhi
International Symposium on Genetics and Reproductive Management for Animal Production
21-24 November 2011, LRI, Chinese Taipeh
Regional Dialogue on Conservation Agriculture
(1-2 November, 2011)
Promoting Conservation Agriculture

- Regional Dialogue organized at New Delhi on 1-2 November, 2011
- 64 participants – Policy makers, R&D Managers, researchers, NGOs, CSOs, Private Sector, CG Centers’ and Farmers from Bangladesh, Nepal and India attended
- Focus on conservation agriculture in AR4D was emphasized
- Useful recommendations emerged for the out scaling of CA in the region
- Proceedings and Recommendations published
Being organized in collaboration with CCAFS and WMO at Bangkok, 10-11 April, 2012

Participation – Climate Change Specialists, leading agricultural Scientists, Chiefs of Meteorology Departments, Chief of Agricultural Research Organizations

Objectives

- To review the impact of climate change on agriculture
- To identify gaps and prioritize research and development needs
- To develop action plan to make agriculture climate smart
FAO, ADB, JIRCAS and SAARC, besides National Coordinators from South and Southeast Asian countries, participated to share the outcomes of the survey and to institutionalize the process of tracking investment trends in agricultural research and capacities.

Survey on Agricultural Investment and Capacity in 8 Southeast Asian countries, viz., Cambodia, Laos PDR, Indonesia, Malaysia, Papua New Guinea, Philippines, Vietnam and Thailand were discussed and reviewed.
GFAR-APAARI Collaboration: Facilitating implementation of GCARD Roadmap programs in the Asia-Pacific region.


SAARC Agriculture Centre-APAARI Collaboration: Organized a joint ‘Training Workshop on Coherence in Information for Agricultural Research for Development (CIARD) and Strengthening RAIS in the SAARC Countries’ on 10-12 May 2011 at BARC Complex, Dhaka, Bangladesh in partnership with FAO and GFAR.


WORK PLAN FOR 2012
# WORK PLAN – 2012

<table>
<thead>
<tr>
<th>Activities</th>
<th>Details</th>
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<tbody>
<tr>
<td>1. Publications</td>
<td>• APAARI Newsletter (June and December, 2012) and APAARI on CD-2012</td>
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<td>Publication of success stories:</td>
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<tr>
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<td>• Success Story on Protected Cultivation of Apple in Korea</td>
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<td>• Success Story on Jackfruit Improvement in the Asia-Pacific.</td>
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<td>• Success Story on Linking Farmers to Market</td>
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<td>• Success story on bamboo genetic resources and improvement in South and Southeast Asia.</td>
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<td>• Proceedings of International Conference on Women in Agriculture</td>
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<td>• Combined Proceedings on ICT Meetings in 3 Sub-regions</td>
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<td>2. Meetings/ Expert</td>
<td>• APAARI Executive Committee Meeting (March, 2012)</td>
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<td>Consultations/ Symposia</td>
<td>• APAARI General Assembly, New Delhi, India (October, 2012)</td>
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<td>• Expert consultations on selected themes:</td>
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<td>(i) Expert Consultation on Trans-boundary Plant, Animal and Fish Diseases</td>
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<td>(ii) Regional Dialogue on Wheat Production Strategy in Asia (with FAO)</td>
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<td>• Policy Level Dialogue on R &amp; D prioritization in 3 countries</td>
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<td>(in collaboration with IFPRI, GFAR and ADB)</td>
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<td>• Organization of Global Conference on Women in Agriculture</td>
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Work Plan (contd.)
### WORK PLAN – 2012

#### 3. APARIS Related Activities
- Success Stories on Agricultural Information and Learning Systems
- Regional Workshop on ICM for Agricultural Development
- Collaboration with regional / sub-regional Fora (SAARC, SEARCA, SPC etc).
- Implementation of APAARI Communication Strategy, maintenance of APARIS web space and databases, APAARI on CD-2012
- Success Stories on Innovations in Agricultural Research and Extension Systems
- Report on Assessment of regional investments and capacity in AR4D in collaboration with ASTI/IFPRI
- APARIS Steering Committee Meeting

#### 4. APCoAB Related Activities
- APCoAB Steering Committee Meeting (March, 2012)
- Policy Dialogue on GM Food Crops – Proposed at PCAARD, Philippines
- Two Training Programs on biotechnology in collaboration with COA
- Expert consultation on Trans-boundary Diseases
- Publications of Status Reports on Micro-propagation of Date Palm

#### 5. Inter-regional and Global Cooperation
- Strengthening cooperation in the following:
  - INCANA - an inter-regional network on cotton?
  - CLAN – An inter-institutional program between ICRISAT, ICARDA and AVRDC (Recently approved by IFAD for funding at the initiative of APAARI)
  - Participation of AARINENA, CACAARI and FARA representatives in APAARI meetings
  - APAARI participation in the meetings of networks in other regions
  - Extending support for Gender in Agriculture Partnership (GAP) initiated by GFAR
Policy Dialogue

- Policy level dialogues on AR4D needs in Bangladesh, India, and Nepal in May-June, 2012
- Prioritizing agricultural research investments
- Assessing innovative funding mechanisms
- Support for Foresight on AR4D for GCARD 2
- Policy Advocacy through High Level Dialogue on AR4D in the Asia Pacific Region
  (Foresight, Partnership and Capacity Building)
Involvement in CRPs

- CRP 1.1 CGIAR Program on Dryland Systems – ICARDA
- CRP 1.2 CGIAR Program on Humid Tropics – IITA
- CRP 1.3 CGIAR Program on Aquaculture Agricultural System – WorldFish
- CRP 2: Policies, Institutions and Markets – IFPRI
- CRP 3.1 – Wheat – CIMMYT
- CRP 3.2 – Maize – CIMMYT
- CRP 3.3 Rice – IRRI
- CRP 3.4 Roots, Tubers and Bananas – CIP
- CRP 3.5 Grain Legumes – ICARDA
- CRP 3.6 ICRISAT
- CRP 3.7 Livestock Fish – ILRI
- CRP 4 Agriculture for Improved Nutrition and Health – IFPRI
- CRP 5 Water, Land, Ecosystem – IWMI
- CRP 6 Forest Trees and Agroforestry – CIFOR
- CRP 7 Climate Change, Agriculture and Food Security - CIAT
Thank you!

www.apaari.org