
Work Report of 2014 and Work Plan for 2015 of CSAM

**10th Session of the Technical Committee of CSAM
&
Regional Workshop on Establishing a Regional Database of
Agricultural Mechanization in Asia and the Pacific**

Siem Reap, 17-19 November, 2014

I. Introduction



- This annual report contains major developments in the implementation of programme activities since the 9th TC held in October 2013 in Bhopal, India as well as management and financial matters of the Centre in 2014.

II. Management and Financial Matters



- Formalization of TC membership for 2014-2016
- 12 countries have submitted nominations, i.e.

Bangladesh, Cambodia, Fiji, India, Malaysia, Nepal, Philippines, Republic of Korea, Russia, Sri Lanka, Thailand and Viet Nam.

II. Management and Financial Matters



- **Voluntary contribution in 2013:**
By the end of 2013, 11 countries including **Bangladesh, China, Fiji, India, Indonesia, Mongolia, Philippines, Republic of Korea, Sri Lanka, Thailand and Viet Nam**, had made voluntary contribution to CSAM in the total amount of **US\$ 113,000**.
- **As of 30 September 2014**, Republic of Korea, Sri Lanka and Thailand have made voluntary contributions to CSAM in the amount of **US\$ 30,000** in the year of 2014. In addition, China, India, Indonesia, Iran, and Cambodia made pledges at the 70th Commission Session of ESCAP held in August 2014 in Bangkok, Thailand, and prior to the 10th TC, China and Indonesia made financial contribution of **US\$ 50,000**.

III. Programme Activities of 2014



- Within this reporting cycle, the Centre has laid greater emphasis on building and strengthening regional platforms for sustainable agricultural mechanization through a series of activities and initiatives in the area of information and knowledge sharing, technical cooperation and assistance, policy advisory service and facilitation of business development.
- Funded by China-ESCAP Cooperation Programme and Regular Budget of the UN

III. Programme Activities of 2014



1. Multi-Stakeholder Consultation on Sustainable Agricultural Mechanization Strategies for the Asia-Pacific

CSAM and FAO Regional Office for Asia and the Pacific (FAO-RAP) jointly held the event on 26-27 June 2014 in Bangkok, Thailand. The theme of the consultation was Sustainable Mechanization across the Food Chain.

Representatives from 21 countries in Asia and the Pacific, i.e. Afghanistan, Bangladesh, Bhutan, Cambodia, China, DPR of Korea, India, Indonesia, Lao PDR, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, Papua New Guinea, Philippines, Singapore, Sri Lanka, Thailand, and Viet Nam, participated in the meeting including ministers of agriculture from Pakistan and Sri Lanka and vice ministers of agriculture from the Lao PDR and Maldives.

III. Programme Activities of 2014



1. Multi-Stakeholder Consultation on Sustainable Agricultural Mechanization Strategies for the Asia-Pacific
 - Discussions centered on the draft sustainable agricultural mechanization strategy (SAMS);
 - A web-based network “Sustainable Mechanization Across Agri-food Chains Network for Asia and the Pacific Region (SMAACNET) jointly managed by FAO-RAP and CSAM was proposed.

III. Programme Activities of 2014



2. 2nd Regional Forum on Sustainable Agricultural Mechanization

- In collaboration with the Indonesian Agency for Agricultural Research and Development (IAARD) and FAO's Regional Office for Asia and the Pacific (FAO-RAP), in parallel with the International Forum on Agricultural and Bio-System Engineering 2014, the event was held on 9-11 September 2014 in Serpong, Indonesia with a theme on "Enabling Environment for Custom Hiring of Agricultural Machinery".
- Minister of Agriculture of Indonesia addressed the opening of the Forum. Fifty participants from 15 countries and representatives from international organizations, NGOs and the private sector shared policies, best practices and successful experiences in custom hiring of agricultural machinery especially in the context of smallholder and marginalized farming.
- Discussions and dialogues were conducted on the how to create an enabling environment for custom hiring of agricultural machinery, and what could be done at the regional level to promote custom hiring of agricultural machinery and its potential contribution to sustainable agriculture.

III. Programme Activities of 2014



3. 1st Annual Meeting of the Asian and Pacific Network for Testing of Agricultural Machinery (ANTAM)

- Held on 16-19 September in Beijing, China, in collaboration with China Agricultural Machinery Testing Centre (CAMTC) of the Ministry of Agriculture of China, in conjunction with Session V of 18th World Congress of International Commission of Agricultural and Biosystems Engineering (CIGR).
- Participants from 19 member States of UNESCAP, i.e. Bangladesh, China, Cambodia, France, Fiji, India, Indonesia, Japan, Malaysia, Mongolia, Nepal, Pakistan, Papua New Guinea, Republic of Korea, Russia, Sri Lanka, Thailand, The Philippines, Viet Nam, as well as representatives from relevant UN agencies and international organizations including ESCAP, FAO, OECD, UNIDO and ENAMA/ENTAM, and representatives of manufacturers, industry associations and farmers' organizations across the Asia-Pacific attended the meeting.

III. Programme Activities of 2014



3. 1st Annual Meeting of the Asian and Pacific Network for Testing of Agricultural Machinery (ANTAM)

- Adopted the work report and work plan of ANTAM for 2014-2015; reviewed the operational structure of ANTAM; agreed to rename the Steering Committee as “Advisory Panel” and an interim arrangement of establishing an independent Technical Reference Unit (TRU);
- Further agreed to nominate one or two experts for the Technical Working Group (TWG) of ANTAM by the end of October 2014, and test run on the a voluntary basis the ANTAM codes and procedures for tractors and knapsack sprayers to be developed by the TWG. The draft ANTAM test reports would be submitted to the 2nd annual meeting of ANTAM for review to be held in the later half of 2015.
- Technical consultation conducted after the 1st annual meeting further suggested developing ANTAM codes and procedures for power tillers as well.

III. Programme Activities of 2014



4. **Regional Roundtable of National Agricultural Machinery Associations in Asia and the Pacific**
 - 28-30 October 2014 in Wuhan, China, themed on “Connecting for Growth and Cooperation”;
 - Around 50 representatives of national agricultural machinery associations and the private sector from 11 countries including Bangladesh, Cambodia, China, India, Indonesia, Mongolia, Nepal, Pakistan, Sri Lanka, Thailand, and the Philippines attended the event.
 - Participants shared the status quo, challenges and prospects of agricultural machinery sector in their countries and discussed how agricultural machinery associations could contribute to sustainable development of agricultural mechanization.

III. Programme Activities of 2014



4. **Regional Roundtable of National Agricultural Machinery Associations in Asia and the Pacific**
 - Regional Council of Agricultural Machinery Associations in Asia and the Pacific (ReCAMA) was established;
 - All participating associations and representatives of the private sector became founding members of the Council. The Secretariat of ReCAMA is based at CSAM.
 - China and India were elected the Chair and the Vice-Chair of the Council for 2015.

III. Programme Activities of 2014



5. Regional Workshop on Establishing a Regional Database of Agricultural Mechanization in Asia and the Pacific

The Workshop is aimed to understand the status of the statistical work on agricultural mechanization in member countries; clarify the specific needs and gaps among member countries in statistical standards, data collection, analysis, application and management; identify the scale and scope of the proposed regional database; and to prioritize actions and design a feasible work plan of establishing the regional database. Around 40 participants from countries in the Asia-Pacific region as well as relevant UN agencies, research and academic institutions, and manufacturers associations joined the workshop.

IV. Normative Research and Policy Advisory Services



- In 2014, CSAM strengthened normative research on sustainable agricultural mechanization through publications on status of testing of agricultural machinery, issuance of quarterly newsletters and policy briefs.
- Policy briefs contributing countries: China, India, Cambodia and Indonesia
- This year's CSAM main publication will feature status and challenges of agricultural machinery testing in the Asia-Pacific region, covering three areas sustainable agricultural mechanization, testing of agricultural machinery and a case study on China's experience in promoting testing of agricultural machinery. The publication will be released by the end of year and uploaded on CSAM's website for open access.

IV. Normative Research and Policy Advisory Services



- This year, website-building of CSAM has enjoyed much progress.
- From January to October 2014, CSAM Web site have gained about 2,920,000 hits from 193,770 visitors.

V. Outreach and Partnership Building



- In 2014, enhanced outreach activities of CSAM with focal points and ministries in member countries, relevant international organizations, global research institutes, the academia and associations of agricultural machinery within the region and outside resulted in closer collaboration, extensive partnerships and increased profile of the Centre.
- Proactive consultations and engagement with relevant ministries of member countries to solicit increased voluntary financial and in-kind contributions to the Centre.
- Concept notes and/or project proposals were prepared and submitted to bi-lateral and multi-lateral donors for possible funding of project activities of Centre.



V. Outreach and Partnership Building

- The 37th Governing Council of the International Fund for Agricultural Development (IFAD), during which Mr. Zhao Bing held several introductory meetings with high-ranking officers from both IFAD and FAO;
- The Annual Meeting of OECD Tractor Codes;
- The Mid-term Review Meeting of China's 12th Five-year Plan for Agricultural Mechanization;
- The Malaysia National Conference on Agricultural and Food Mechanization 2014, at which Ms. Ai Yuxin presented an Asia-Pacific perspective on sustainable agricultural mechanization;



V. Outreach and Partnership Building

- The NSD-IFPRI Workshop on Agricultural Mechanization in Asia and Africa, at which CSAM contributed to panel discussions;
- The China-ASEAN Workshop on Agricultural Mechanization during the 11th China-ASEAN EXPO, and etc..

IV. Work Plan for 2015



- In 2015, CSAM would like to propose the following programme activities for consideration and guidance of the Technical Committee:

- **1) Regional Forum.** CSAM will collaborate with member countries to organize the 3rd Regional Forum in concurrence with a major regional/national agricultural event.

- **2) ANTAM.** The work on the Network will include:
 - a. Development of test codes and procedures, ROPS for tractors, knapsack sprayers and power tillers by TWG;
 - b. 1st meeting of the TWG approves the test codes and procedures and ANTAM test report template and in late April or early May in 2015;
 - c. 2nd Annual Meeting of ANTAM, latter half of 2015;
 - d. training course for testing engineers in collaboration with CAMTC.



IV. Work Plan for 2015

3) Data/Statistics. Drawing upon the results of the Regional Workshop, a scoping survey will be conducted to review and analyze the country papers submitted by member countries and a feasible work plan will be prepared for building a regional database of agricultural machinery.

4) Publications and analytical work. CSAM will continue its work on publications and research products, including the regional status publication, regular e-newsletters, policy briefs and research papers.

5) SAMS. CSAM will continue to work with FAO-RAP and member countries to promote the implementation of the Sustainable Agricultural Mechanization Strategy (SAMS) at country levels, including through the proposed SMAACNET.

6) ReCAMA. CSAM will work with members and other stakeholders to prepare a work plan for ReCAMA and conduct activities conducive to the functioning of the Regional Council. The 2nd Meeting of the Regional Council is expected to be held in late 2015.

7) Prototype/drawing exchange. Guidance is sought from the TC upon reviewing the background paper on the subject.



IV. Work Plan for 2015

- **8) Capacity building.** CSAM will organize a training course for participants from Korean Academy of Agricultural Sciences of DPRK on conservation agriculture and agricultural mechanization. The agricultural mechanization components of the LIFT Myanmar Project will also likely be initiated in 2015, with a focus on capacity building and subject to the overall project design.

- **9) Programme/project design and fund-raising.**