

# Narrative Accomplishment Report

## 4<sup>th</sup> Quarter 2008

### Producing more and better food and sustaining the diversity in agricultural research and technology transfer modalities

This fourth quarter reports on a broad selection of research projects, technology transfer initiatives, and excellent partnerships involving scientists, researchers, administrators, and policy makers. Significantly, the first part of this performance report deals with evolving mechanisms for agricultural research, which are firmly classified under the science and technology (S&T) policy services—the first major final output (MFO) identified by the Department of Science and Technology.

Fifteen policy instruments were formulated or reviewed including 10 policies adopted. The target set was at 11 over 9. Capping the performance for this MFO indicator is the continuing policy advocacy on the Technology Transfer Bill in Congress. The bill was approved in the House in November 17, 2008 and was eventually transmitted to the Senate Trade and Commerce Committee. Plans for 2009 are already set for the approval of the bill in the Senate.

As specialized research institutions and State Colleges and Universities are carrying out important public research, the Council and its partners through the Governing Council had put forward the operational policies and guidelines for their approval and implementation. Some of the projects, frameworks, and work plans are on:

- Impact Assessment of ACIAR-supported Natural Resources Management R&D Activities in the Philippines
- Supply Chain Improvement for Jackfruit in Eastern Visayas: Phase I (Evaluation Research)
- Capability Development of PCARRD Directorate on Corporate Identity Building
- Program on Enhancing the Demand for AFNR Graduates Through Science and Technology: Project 2: Institutional Capacity Enhancement and Project 3.1. Support to IGPs and DATBED
- Performance Testing of the Multicrop Processing Machines for Commercialization Using the Developed National Technical Standards Supply Chain Analysis of Coconut Oil and its By-products in Central Visayas
- National Banana R&D Program
- Yield and Quality Improvement of Pummelo in Region XI
- Regional Jackfruit R&D Program
- Enhancing Research Utilization for Sweetpotato Livelihood Development
- National Organic Vegetables R&D Program – Project 1

In addition, the regional consortia as an approach had worked on the identification and adaptation strategies that would enhance the project formulation scheme and fast track the implementation of the research priority regional programs.

Demonstrating the benefits gained in the efforts undertaken under the second MFO—R&D management services. It covers the performance indicator on R&D proposals appraised vis-à-vis proposals approved for funding (PCARRD, DOST, and other sources). The accomplishment had an over-the-target result at 63/16 compared with the target of 10/5. At this point, the counting of the programs was broken down into project components hence, the result.

In general, the R&D proposals approved for funding responds to the call of the Council for strategic R&D programs that addresses food sufficiency, export competitiveness, and sustainable natural resources management.

Under the second performance indicator on the number of scientists and researchers/institutions supported, the results also showed huge outcomes at 674 (versus the 170 target). The increase is attributed to the monitored report that includes the human resource development program under the DOST-SEI, which the Council also facilitates. In addition, various trainings on the Farmers Information and Technology Services-Information System (FITS-IS), Joomla! Web Content Management System (WCMS) and Human Resources Information System (HRIS), were conducted for all consortia.

Significantly, the support through the strategic capability development in the higher education and the research and technology management centers on the development of a critical pool of R&D experts in the AFNR sector who will help address the country's research priorities and contribute to the attainment of the country's goals. A specific training for the quarter that advocated for the care of the country's natural resources and environmental call is on the assessment of carbon in the forest ecosystem.

For the number of projects with significant results and/or mature technology components vis-à-vis total monitored projects (not cumulative), a 141/939 actual accomplishment versus a 120/600 target was noted. This was due to the increasing number of projects that were reviewed/monitored during agency in-house reviews and their eventual inclusion in the R&D Highlights 2008. The projects featured in the R&D Highlights are broken down into the following sectors:

R&D Sector	Number of Highlights
Agricultural Resources and Management	22
Crops	57
Livestock	14
Forestry and Environment	34
Socio Economics	14
<b>Total</b>	<b>141</b>

The performance indicator on number of grants released tallied an amount of P44.66 million. This was attributed to the approval and funding of Programs 2 and 3 of the DOST-funded program on "Enhancing the Demand for Agriculture, Forestry, and Natural Resources Graduates through S&T." This program is expected to increase the number of students from 56 State Universities and Colleges by an average of 10-15%.

Incidentally, under this second major final output—R&D Management Services, the final indicator no target was reported.

On the domain under the R&D results utilization, which is specifically classified under the third MFO on Technology Commercialization Services, the Council has captured the dynamism in the regions through its technology transfer and commercialization modality of the *Techno Gabay* Program and its components - the FITS centers, the *Magsasaka Siyentista*, and the S&T-based farms. A new technology transfer concept called TechnoMart was introduced while intensified Intellectual Property (IP) management activities were noted.

The first performance indicator on technology transfer project proposals appraised vis-à-vis proposals approved for funding. A 44/38 actual accomplishment has been reported over the target of 39/38. Moreover, it has been noteworthy to emphasize that some FITS-directed R&D projects were reviewed and approved. A sample list is shown below:

1. Regional Jackfruit R&D Program: Program Coordination
2. Project 1. Development of Regional Baseline Information for Jackfruit
3. Project 2. Supply Chain Improvement for Jackfruit in Eastern Visayas Phase 1. Evaluation Research
4. Project 3. Integrated Pest Management of Jackfruit
5. Project 4. Enhancing Jackfruit Production Through Improved Nutrient Management and Fruit Load Regulation
6. Enhancing Research Utilization for Sweetpotato Livelihood Development in Disaster Prone Communities
7. Project 1. Enabling Mechanisms for the Implementation of the Sweetpotato Livelihood Enhancement Program in Albay and Tarlac
8. Project 2. Enhancing Livelihood Opportunities of Small Resource Poor Sweetpotato Farmers in Tarlac Province
9. Project 3. Improving Food Security and Livelihoods among Households in Albay through Sweetpotato Production and Utilization
10. Yield Quality Improvement of Pummelo in Region XI
11. Project 1. Optimum Fertilization to Improve the Yield and Quality of Pummelo
12. Project 2. Modified Atmosphere Packaging and Waxing of Pummelo at Different Maturity Stages
13. Project 3. Integrated Pest Management for Citrus Rind Borer on Pummelo
14. Supply chain Improvement for Coconut Products in Region 7

Essentially, the S&T support system through the proposals approved are continuing efforts toward food self-sufficiency and sustainable resource management.

The next indicator refers to the Intellectual Property applications filed/obtained by R&D institutions through technical assistance. For the fourth quarter, all technology disclosures were forwarded to TAPI for appropriate action such as the final evaluation and filing by patent agent at IPOPhil. From a target of three, an output of five has been achieved.

For the technology fora, symposia and/or conferences conducted/supported, the Council had an over-the-target accomplishment of 18 (target set was 5). This was specifically due to the corresponding implementation of some activities proposed to be conducted in the earlier quarters of the year. Moreover, the regional consortia responded to the resolution put forward during the National Techno Gabay Summit in July 2008. This has resulted in the conduct of a number of conferences to organize the regional *Magsasaka Siyentista* associations.

Eventually, the *Magsasaka Siyentista* of Ilocos Region pioneered the organization of the *Techno Gabay Magsasaka Siyentista* Association of the Philippines, Ilocos Chapter. Ten other regions followed soon after. These are: Cordillera Administrative Region (CAR), Cagayan Valley (Region 2), Southern Tagalog (Region IV), Western Visayas (Region 6), Central Visayas (Region 7), Western Mindanao (Region 9), Northern Mindanao (Region 10), Southern Mindanao (Region 11), Cotabato (Region 12), and CARAGA Region.

The number of FITS centers maintained remains at 402. This is the sixth indicator that also refers to the information, education, and communication and information, communication, and technology (IEC/ICT) components. For the IEC materials disseminated, an over-the-target achievement was noted with 38,230 versus the target of 38,098. The increase in the number of IEC materials was attributed to the increase in number of quick information dispatch articles produced and the number of exhibits/information disseminated through the exhibits. The Council continued to employ multimedia approaches to reach out to its clients in the AFNR and public sectors.

There are 19 ICT program services maintained by PCARRD. In relation to the ICT initiatives, 67 FITS sites were interconnected during the quarter. This is five short of the FITS target of 72. The deficit was because more FITS sites were reported interconnected during the previous two quarters.

The target for the *Magsasaka Siyentista* supported was at 40, which was exceeded with 59. It was noted that the FITS centers that failed to identify their *Magsasaka Siyentista* during the previous quarter were able to identify and appoint their *Magsasaka Siyentista* during the last quarter.

On the performance indicator referring to farmers and beneficiaries served, a remarkably high accomplishment was noted. From a target of 155,614, an output of 318,822 was achieved. This can be attributed to the increase in number of exhibits participated in by PCARRD which were not part of the target and the several visitors/attendees during FITS launching ceremonies.

Finally, the amount of grants released under this third MFO was a record of P43,100,221. This is way over the target of P30,114,047. This was due to funds released to regional partners as soon as the required financial reports were received at PCARRD. This quarter period, several financial reports were received.