



**BAR**  
BUREAU OF  
AGRICULTURAL  
RESEARCH

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**Special Issue**  
19th BAR Anniversary  
Agriculture & Fisheries  
Techno Forum

7-8 August 2006

## BAR 19<sup>th</sup> anniversary coincides A/F techno forum and seminar series

The Bureau of Agricultural Research (BAR) 19<sup>th</sup> anniversary celebration on 7 August 2006, RDMIC Building, Visayas Avenue, Diliman, Quezon City coincides with the 2<sup>nd</sup> Agriculture and Fisheries Technology Forum and Seminar Series on 8 August 2006. This year's theme, *"Transforming Philippine R&D to be globally responsive"* highlights research and development (R&D) as a successful arm of agriculture and fisheries in responding to global challenges.

The activity kicks off with the 19<sup>th</sup> anniversary celebration program in the morning of 7 August 2006 with Department of Agriculture (DA) Secretary Domingo F. Panganiiban gracing the occasion as keynote speaker. Activities lined up include: awarding of BAR outstanding employees for 2005 and awarding the ISO certification 9001:2000 to BAR. The ISO certification is to be awarded by Ms. Carmina M. Espiron, business development manager, TUV Philippines, Inc. and Mr. Joseph D. Server, president, Joseph Server and Associates (JSA). Also highlighting the event is the opening of exhibits and



products display to be led by Secretary Panganiiban, assisted by Ms. Madelina Y. Panganiiban, DA-Clean and Green Program chair, Ms. Ma. Theresa N. Villa, DA-OSEC chief of staff, Dir. Nicomedes P. Eleazar of BAR, and Dr. Teodoro S. Solsoloy, BAR assistant director. There will be a presentation of BAR's story featuring the Bureau then and now and the BAR Director's Report highlighting the Bureau's accomplishments in 2005.

Meanwhile, the National Agriculture and Fisheries Technology Forum and Seminar Series officially starts in the afternoon featuring studies on: 1) Experiences on Technology Management in the Philippines: Application to

Agriculture and Fisheries and Development (Dr. Alexander R. Madrigal, regional director, Department of Science and Technology IV), 2) Harnessing the Benefits of Biotechnology: The Case of *bt* Corn in the Philippines (Dr. Leonardo A. Gonzalez, president, STRIVE Foundation), and 3) Commercialization of *Makapuno* and its Products: Opportunities and Threats in a Competitive Market (Ms. Erlinda P. Rillo, division chief, PCA Albay Research Center). This session is moderated and facilitated by Dr. Marlowe U. Aquino, BAR-TCU head.

The presentations continue the following day, 8 August 2006.

see BAR 19th Anniv...page 3

### PROGRAM OF ACTIVITIES

#### Day 1 (7 August 2006, Monday)

- ☞ Opening of Exhibits
- ☞ Awarding of Outstanding Employees
- ☞ Awarding of ISO Certification
- ☞ Directors' Report
- ☞ Presentation of BAR Story
- ☞ Techno Forum Presentations

#### Day 2 (8 August 2006, Tuesday)

- ☞ Techno Forum Presentations (cont.)



# From the Director's report: A responsive BAR in 2005

by MA. LIZBETH J. BAROÑA

Upon Director Nicomedes Eleazar's assumption of the stewardship of the Bureau of Agricultural Research at the start of year 2005, the Bureau underwent changes defining policy direction for research and development on agriculture and fisheries in the country.

BAR, as mandated by Executive Order 116, ensures that all agricultural and fisheries research is coordinated and undertaken for the agriculture industry's use.

The call of the times, however, made it clear that BAR must assume a proactive role in managing the research and development system of the country. It first embarked on the development of human and structural resources of the R&D system through its human resources and institutional

development programs. It also assumed a proactive role in attracting local and foreign funds to augment the effects of the budget cuts the Bureau endured during the past years.

Now, BAR is lending hand to agricultural extension by stepping-up its Community-based Participatory Action Research program to help increase farm productivity by closing the gap between R&D and technology utilization. The institutionalization of the Technology Commercialization Program (TCP) is the latest of BAR's intensified effort to bring technologies generated by the National Research and Development System of Agriculture and Fisheries (NaRDSAF) to rural communities.

## Thrusts and programs

The Bureau's major thrusts and programs are classified as: 1) technology commercialization; 2) program development; 3) research coordination; 4) human resource development; 5) R&D facilities development; 6) management information system; 7) intellectual property management; 8) international relations and partnerships; and 9) R&D policy formulation and advocacy.

The Technology Commercialization Program disseminates relevant knowledge generated through research to prospective investors as a way to develop and promote agro-enterprises. This is done by conducting technology fora where the technology generators, farmers, and fisherfolk are given the opportunity to interact on the advantages, issues and concerns regarding the technologies presented.

A Technology



Commercialization Unit, working directly under the Office of the Director, was formed to oversee the TCP.

The Bureau's Program Development oversees the consultative planning and formulation of the national research agenda and programs, research proposals evaluation for funding, and monitoring of projects of national concern. In the past year, the shift in priority and need in research and development brought about strategic research into the picture to help maximize use of the meager research budget.

BAR's continued commitment to the regional partners is directed toward the provision of Regional RDE networking funds to the various Regional RDE networks to "strengthen the management and operation of the research, development and extension networks in the regions toward a collective implementation of RDE priority programs in the regions."

The Research Coordination Division handles the implementation and monitoring of BAR's CPAR program. Since the intensification of CPAR's implementation in 2002, CPAR projects have been conducted in 151 sites, involving 1,471 farmer-cooperators.

BAR's continued support to the development of the NaRDSAF involves: a) Degree Scholarship

see Director's report...page 7

## BAR Chronicle

2006 August 7-8

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## BAR reaches finish line for ISO 9001:2000

**A**t first, we wanted the bragging rights. But as the process of getting certified for ISO 9001:2000 progresses, it becomes clear that beyond the feeling of being a "cut above the rest", being ISO certified stirs something deeper - a personal and professional commitment to quality.

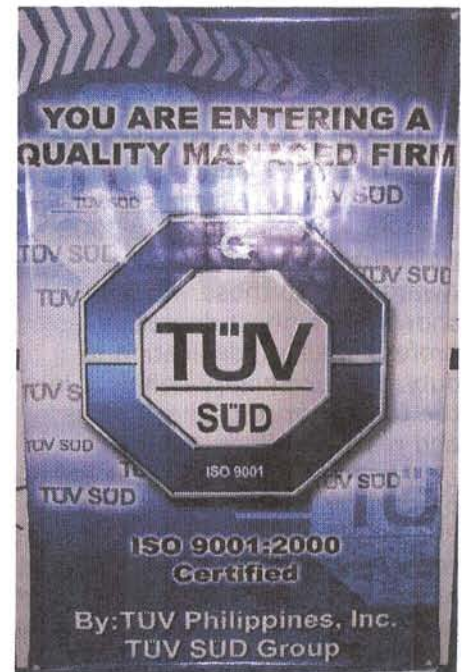
Last month, auditors from TÜV-SÜD Philippines, contracted as third party certification auditors, subjected the BAR divisions and units to a procedural and documentation audit. The results of the audit led them to recommend BAR for ISO 9001:2000 certification.

TÜV Philippines is a multinational Certification and

Inspection Body that provides inspection, certification, due diligence, valuation, validation, training and testing services. TÜV or Technischer Überwachungs Verein (Technical Inspection Association) originated in Germany.

During the certification process, BAR staff members underwent trainings on: 1) Introduction to Quality; 2) Interpretation of the ISO 9001:2000 standards; 3) Internal Quality Auditing; 4) Documenting the Quality System on Policies, Procedures, and Work Instructions; and 5) Document and Data Control.

Selected BAR staff members were also provided hands-on training on the conduct of an independent audit by performing a pre-assessment of the Quality



Management System of BAR.

BAR contracted the Joseph Server and Associates, Inc. to provide the training on management systems.

BAR started the process of certification on August 16, 2004. (Ma. Lizbeth J. Baroña)

### 19th BAR Anniv...from page 1

The three technologies to be featured during the morning session are: 1) Strengthening Local Politics, Governance and Decentralization for Agribusiness (Dr. Simeon A. Ilago, director, UP Center for Local Development and Regional Governance, National of the National College of Public Administration and Governance), 2) Synthesizing the Micro and Small Scale Enterprise for Agriculture and Fisheries (Dr. Guillermina T. Gabor, president, Philippine Small Development and Medium Business Development Foundation). This session is facilitated and moderated by Mr. Victoriano B. Guiam, head of BAR-IRU.

The afternoon session comprises the presentation of three commercially viable technologies. These are: 1) A Doctor's Prescription: Wonders

of Coconut-The Perfect Health Nut (Dr. Vermen Verallo- Rowell, senior consultant, Makati Medical Center), 2) The Competitive Advantage of Philippine Fiber Crops in the International Market: A Learning Experience (Ms. Cecilia Gloria J. Soriano, administrator, Fiber Industry Development Administration), and 3) Natural Dyes and Fibers: Their Implications to Agricultural Development (Cultural Symbolic Representations of *Itneg* Woven Products) (Dr. Marlowe U. Aquino, head of BAR-TCU). Dr. Rolando Kintana, BAR's Livestock and Poultry Section head will facilitate and moderate the session.

The techno forum and product exhibit are parts of the Bureau's initiative to present researches that have potential impact to the farmers and fisherfolk

leading to the improvement of their plight. They feature breakthroughs, innovations, and technologies generated and developed by the different R&D institutions. The holding of techno-forums started in 2005 coinciding with major events at BAR.

This year, all national technology forums highlight technologies on crops, livestock and poultry, fisheries and product systems, and resources from the national DA units including staff bureaus and agencies.

In addition, a regional technology forum will be held this coming 16-18 August 2006, Davao City. This will be attended by DA units, private sector including civil society organizations, commodity specific industries, government, and non-government organizations, and other concerned groups. (Rita T. dela Cruz)



The search is over for the Bureau of Agricultural Research (BAR) as it gives due recognition to 18 outstanding employees on 7 August 2006, RDMIC Building, Visayas Ave., Diliman, Quezon City. The 2006 BAR Outstanding Employees Award goes to those who have shown the highest degree of professionalism, dedication to duty, and exemplary behavior in the performance of their duties and responsibilities.

To facilitate the selection process, the Bureau created a PRAISE Committee, the body responsible for the final selection of the 2006 BAR Outstanding Employees Award. The award was classified into two general categories: regular and project-based staff.

Each category was divided into five sub-categories, namely: 1) supervisory; 2) non-supervisory, technical (regular); 3) non-supervisory, non-technical (regular); 4) non-supervisory, technical (project-based); and 5) non-supervisory, non-technical (project-based).

Nominations of candidates emanated from each division and working unit of the Bureau through a duly accomplished form provided for each category. Qualifications for nomination include: full time and continuous service for at least two years (for division/unit head and supervisory) or one year (for non-supervisory) as of June 15, 2006; no pending criminal and/or administrative case; and a Performance Appraisal Rating of Very Satisfactory for the past two consecutive rating periods (second semester 2005 and first semester 2006).

Nominations were judged using specific criteria. For the division/unit heads, criteria used were: significant contribution (50%), leadership (20%), analytic and creative capability (5%), initiative and resourcefulness (5%), time and

## The search BAR awards 18 outs

by RITA T. DE

resource management (5%), fairness and consistency (5%), credibility and integrity (5%), and concern for people (5%). For the supervisory category, the criteria used were: leadership (25%), significant contribution/accomplishment (25%), performance/attitude towards work (25%), and job knowledge (25%). The same criteria apply for the non-supervisory category except for the leadership criterion: significant contribution (40%), performance (30%), and job knowledge (30%).

The six employees who garnered the highest scores are awarded the 2006 BAR Outstanding Employee Award and 12 employees receive special citations. The awardees are:

### **Division/Unit heads (technical)**

Dr. Carmencita V. Kagaoan of the Project Development Division (PDD) has been with the Bureau since 1988. When one of her staff was asked about her first impression of Dr. Kagaoan, she candidly said, "She may look strict but she's effective as our division head. She knows how to delegate tasks, she's considerate and knows how to motivate us, and most of all, she's one democratic leader. She listens to what everyone has to say and always takes them into consideration." With this kind of accolade, it's not surprising to know that she previously won the "Outstanding BAR Employee" (division head category) during the time of Dr. Eliseo Ponce.

Other awardees for this category are Dr. Marlowe U. Aquino, head of the Technology Commercialization Unit (TCU) and Mr. Rodolfo L. Galang, head of the Management Information Systems Division (MISD).



Dr. Amy Kagaoan

### **Division/Unit heads (non-technical)**

Ms. Josefina M. Lantican is the former head of the Agriculture and Fisheries Policy Unit (AFPRU) now consultant on agriculture and policy related issues. She is one of the pioneer staff at the Bureau. She started working in 1988 as a supervising agriculturist. She became the head of the Governance, Impact and Evaluation Division (GIED) during Dr. Eliseo Ponce's time, and the Impact Evaluation and Policy Division (IEPD) during Dr. William Medrano's time.

Special citations also go to Mr. Roberto S. Quing, Jr., head of the Finance Unit and Mr. Victoriano B. Guiam, head of the International Relations Unit (IRU)



Ms. Josie Lantican



# n is over: standing employees

A CRUZ

## **Supervisory**

Ms. Julia A. Lapitan is the assistant head of the Management Information Systems Division (MISD) and concurrent head of the Applied Communication Section (ACS). She started working at the Bureau under Dr. William Dar in July 1990 as data encoder at the Management Information System (MIS). Being an effective worker and supervisor, this award is not a first for Ms. Lapitan. In 1994, she was awarded BAR Outstanding Employee (non-supervisory, technical category).



Ms. Jeng Lapitan

Ms. Ligaya C. Santos, head of the Fisheries and Aquatic Resources Section of the Research Coordination Division (RCD) is also recognized and cited for this category.

## **Non-Supervisory, technical (Regular)**

Mr. Angel S. Morcozo, Jr., senior agriculturist and coordinator for Regions 8 and 12, is one of the pioneer staff at BAR. He started working in May 1987 as agriculturist at the Research Coordination Division (RCD). At one time, he became the division head of the MISD, known then as the Knowledge Products and Services Division (KPSD).



Mr. Angel Morcozo

Other awardees for this category are: Mr.

Jude Ray P. Laguna, executive assistant at the Office of the Assistant Director (OAD) and concurrent technical support staff at the Agriculture & Fishery Policy Research Unit (AFPRU); and Ms. Elvira S. Rapada, head of the Infrastructure Development of the Institutional Development Section (IDS) of PDD.

## **Non-Supervisory, non-technical (Regular)**

Mr. Bernardo S. Manuel, data controller at the Information Communication and Technology Section (ICTS) of MISD, has been with the Bureau for 11 years. He started working in 1994 during the time of Ms. Jovita Corpuz. Considered by his colleagues as "one of the most dependent and able men in ICT" he "makes things possible." When asked about his greatest contribution in the Bureau, he made possible various transactions in ICTS resulting to its smooth operation and a well-maintained system that runs 24/7.

Other staff members cited for this



Mr. Bernie Manuel

category are: Mr. Alfonso E. Nidoy, one of BAR's able messengers and Ms. Josefina G. Barleta who is assigned at the Office of the Director (OD) as coordinator for travel.

## **Non-Supervisory, technical (Project-based)**

Mr. Ferdinand Dax C. Lorena, technical staff at the Planning Unit (PU), just turned four at BAR this August. In plain sight, Mr. Lorena's face is probably the most noticeable one as his job entails constant contact with staff for their accomplishment reports, which PU has to compile periodically. When asked what his greatest contribution to BAR is, he bowed his head and humbly said: "I have so much to learn and I have only been here for four years."

Merit awards for this category go to Ms. Almira G.

Magcawas of the Institutional Development Section (IDS) and Mr. Rudyard R. Roxas of the International Relations Unit (IRU).



Mr. Dax Lorena

## **Non-supervisory, non-technical (Project-based)**

For this category, Ms. Rhea Allene D. Neo got a special citation.

All awardees will receive trophies (first placer) or plaques (citation) and cash incentives. The outstanding employees will be awarded during the 19th BAR anniversary celebration with DA Secretary Domingo F. Panganiban handing over the awards, to be assisted by BAR Director Nicomedes P. Eleazar and Asst. Dir. Teodoro S. Solsoloy.



# Agriculture and fisheries products and services on display

**T**he Bureau of Agricultural Research (BAR) holds a Product Exhibition and Display of agriculture and fisheries products from the different agencies of the Department of Agriculture (DA) and a number of invited private sectors during the 19<sup>th</sup> BAR Anniversary Celebration on 7-8 August 2006 at the BAR Grounds, RDMIC Bldg., Visayas Ave. corner Elliptical Road, Diliman, Quezon City.

The activity is regularly conducted to provide an avenue for new or existing local products and services for promotion to the consumer public and attraction for potential investors and partners. This year, about 20 exhibitors fill the booths provided by BAR for free for the event. Ten of the exhibitors are from the DA-attached agencies and state universities as follows: Agribusiness and Marketing Assistance Service (AMAS) (fresh vegetables), Bureau of Plant

Industry (BPI) (planting materials), Agricultural Training Institute (ATI) (dried fish/*tinapa*), Fiber Industry Development Agency (FIDA), Mariano Marcos State University (MMSU) (sweet sorghum and pigeon pea), Philippine Coconut Authority (PCA), Philippine Carabao Center (PCC) (dairy products), Bureau of Fisheries and Aquatic Resources (BFAR) (aquatic products), and Bureau of Animal Industry (BAI) (live chicken and organic eggs from the national office and Quezon province).

The other 10 exhibitors from the private sector include the Fisher Farms Inc. (processed fish such as boneless bangus, fish sausage and longganisa), Organic Producers Trade Association (OPTA) (fruits and vegetables, yacon, herbal products), Kaisahan ng Manggagawa sa Agrikultura (KMAI) (Organo-metallic compound, co-enzyme, organic hybrid rice), Exquisite Focus Philippines, Inc. (Soil conditioner, Bio organic fertilizers, Probiotics for



Aquaculture and Livestock), ERMA (Aquatic products), LA Trading (Dried Mangoes and Extreme 300 Fertilizer), Barachiel Enterprises (KS-LP Stevia Powder and KS-15 Stevia Liquid for livestock, fish/marine animals; KS-AP Stevia powder & KS-10 Stevia Green Liquid), See International Food Manufacturing Corp. (banana chips), SAGANA 100 Phil. Inc. (fertilizer), and Seafood Concepts.

The exhibits formally open on Aug. 7 after the opening program with Agriculture Secretary Domingo Panganiban cutting the ribbon to the exhibits. With him are his spouse, Mrs. Madelina Panganiban, chair, DA Clean and Green Program, Ms. Ma. Theresa Villa, chief of staff, DA-Office of the Secretary, BAR Dir. Nicomedes Eleazar, and Asst. Dir. Teodoro Solsoloy. (Miko Jazmine J. Mojica)





Program; b) Thesis/Dissertation Assistance; c) Non-degree Assistance Program; and d) Productivity Enhancement Program. The Bureau's Institutional Development Grant (IDG) Program, aims at providing a "conducive environment for the efficient conduct of research as part of the holistic approach to strengthen the NaRDSAF." It is a facility grant that enables the NaRDSAF partners in the acquisition of scientific equipment, renovation and construction of research facilities, preparation of master station development plan, and other critical needs of the R&D centers. For the past year, 13 R&D centers composed of DA staff bureaus, attached agencies, RIARCs and SUCs were given grants for the upgrading of their facilities.

Through the Bureau's knowledge management activities under the management of information systems, scientific knowledge is disseminated faster to the laymen.

Production-enhancing technologies and scientific

knowledge can now be accessed easier through BAR's web-based Information tools: the BAR Online and the Agritech Online. BAR publications are also uploaded in these web-based mechanisms to wider reach of clientele.

BAR created a unit that aids inventors and generators of technologies to protect their intellectual property rights (IPR). BAR believes that effective IP management ultimately strengthens the R & D system in promoting further creativity, facilitating transfer of technology, promoting business enterprises, encouraging market access, attracting foreign investments, and promoting fund feedback to R & D.

BAR continues to maintain its networking and institutional linkages with local and international organizations to facilitate the implementation of collaborative projects, generate more resources in R&D, exchange of information and technologies, and develop human resources and facilities.

Providing for the right environment in research and generation of scientific knowledge is cost-effective and encourages discovery of production-enhancing technologies. The formulation of effective policies hinges on rigorous and careful judgment based on the critical analysis of the R&D system and programs. This is why BAR has a unit that handles policy advocacy.

BAR commitment to quality public service was given a shot in the arm by having its procedures audited for the ISO 9001:2000 certification.

BAR's service can now be summed in these words: "consolidate, strengthen and develop the agriculture and fisheries R&D system for the purpose of improving its effectiveness and efficiency to ensure customer satisfaction and continuous improvement through work excellence, teamwork and networking, accountability and innovation in accordance with statutory requirements and regulations."

## BAR tells its story

**O**n its 19<sup>th</sup> anniversary as the agency mandated to coordinate all agricultural and fisheries research and development (R&D) in the country, the Bureau of Agricultural Research (BAR) is set out to tell its story during its anniversary celebration on 7 August 2006 at the RDMIC Bldg., Visayas, Ave., Quezon City.

An institutional audio video production (AVP) will be shown on the first day of the anniversary celebration. This was conceptualized basically to promote DA-BAR's mission as

the central body for research and development.

Dubbed as "The BAR Story", the institutional AVP showcases BAR's successes and accomplishments from its inception, its present situation, up to its strategic plan for 2006 to 2010. "We are all in this together as an organization," explained Director Nicomedes P. Eleazar on how he foresees the BAR's future as an organization.

The BAR Story tackles BAR's vision for the agriculture sector, its thrusts and programs as well as its expanded mandate by the Agriculture and Fisheries

Modernization Act (Republic Act 8435), more popularly known as AFMA of 1998.

The video also presents the core values and principles that cut across all of the Bureau's efforts and helps define BAR's commitment to deliver the highest quality programs to its clientele, which are: customer service, teamwork and commitment, excellence, resource stewardship, and learning and innovation.

The video's intended audiences are the scientists, researchers, and the general public. (Angela E. Obnial)



# Agriculture and fisheries forum and seminar series highlight commercially technologies

As part of the Bureau of Agricultural Research (BAR) 19<sup>th</sup> Anniversary Celebration, the second wave of the National Agriculture and Fisheries Technology Forum and Seminar Series 2006 is held in the afternoon of Aug. 7 and the whole day of Aug. 8 at the BAR Lobby.

The seminar topics and presenters featured are the following: "Evidence-based Studies on Coconut Products to Help Men and Women Look Younger at Any Age" by Vermén M. Verallo-Rowell, M.D. Dr. Verallo-Rowell talks about the results of her research which had been presented locally and internationally. Her research has proven the effectiveness of coconut in maintaining a young-looking skin, avoiding obesity, and protecting the body against infections.

The second study is on the "Experiences on Technology Management in the Philippines: Application to Agriculture and Fisheries and Development" by Dr. Alexander R. Madrigal, regional director, Department of Science and Technology IV (DOST IV) followed by Dr. Leonardo Gonzales' "Harnessing the Benefits of Biotechnology: The Case of Bt Corn in the Philippines". Dr. Gonzalez, president of STRIVE Foundation, presents the research that assessed the socioeconomic impact of MON 810 (*YieldGard* brand), a transgenic corn resistant to the Asiatic Corn Borer, during its initial phase of commercialization.

Another study on crops, the "Commercialization of

*Makapuno* and its Products: Opportunities and Threats in a Competitive Market" is discussed by

Ms. Erlinda P. Rillo, division chief, Philippine Coconut Authority (PCA) Albay Research Center. Ms. Rillo introduces the Makapuno Embryo Culture Technology first commercialized by PhilHybrid to enhance the industry in the country and expand opportunities elsewhere.

Ms. Cecilia Gloria J. Soriano, administrator, Fiber Industry Development Authority (FIDA), tackles the "The Competitive Advantage of Philippine Fiber Crops in the International Markets: A Learning Experience". She discusses the competitive advantage of the Manila hemp as cordage, pulp, and fibercraft and how its big export opportunity could help boost the Philippine economy.

Other topics in the forum include "Strengthening Local Politics, Governance, and Decentralization for Agribusiness" by Dr. Simeon A. Ilago, director, UP Center for Local Development and Regional Governance, National College of Public Administration and Governance (NCPAG); "Synthesizing



the Micro- and Small-scale Enterprise for Agriculture and Fisheries" by Dr. Guillermina T. Gabor, president, Philippine Small Development and Medium Business Development Foundation (PHILSMED); and "Natural Dyes and Fibers: Its Implications to Agricultural Development (Cultural Symbolic Representations of *Itneg* Woven Products)" by Dr. Marlowe U. Aquino, head, TCU, DA-BAR.

The technology forum and seminar series is part of the dissemination and promotional activities of TCU which is the main coordinator of the National Technology Commercialization Program (NTCP) under the leadership of Agriculture Secretary Domingo Panganiban. The DA Administrative Order #3 Series of 2006 for the implementation of NTCP was approved and signed by Secretary Panganiban on 06 February 2006. (Miko Jazmine J. Mojica)

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