

ARMM offers tax incentives to rubber industry investors

DAVAO CITY - Hundreds of rubber players, investors and farmers from all over the country gathered here during the Second Philippine Rubber Investment and Market Encounter (PRIME) with high officials of the Autonomous Region in Muslim Mindanao luring investors to the region with tax-free incentives.

Sakiran Hajan, Regional Secretary of ARMM Department of Trade and Industry and chairman of the board of Regional

Economic Zone Authority (REZA), highlighted the investment incentives during his talk on investment priority areas and logistics for investors eyeing ARMM to invest in the rubber industry.

Hajan said the incentives include exemption from duties and taxes on merchandise, tax credit for import substitution and exemption from port duties, export tax, among others.

Specifically, ARMM offers its special economic zone in the Polloc Freeport

and Economic zone with 129 hectare-wide international standard port ideal for rubber industry exports flow, other agricultural and industrial products.

Hajan reported also the smooth relationship now with the Bureau of Customs (BOC) after the signing of Joint-Memorandum Order with BOC chairman Alberto Lina and the REZA-ARMM.

Among key activities during the PRIME forum were business conference,

turn to page 6

AICCEP forms group to continue clusters

COTABATO CITY -- To make sure the six industry clusters under the ARMM Industry Cluster Capacity Enhancement Project will continue to function actively even after the termination of the project, a committee has been formed to draft a "sustainability plan" to be submitted to senior adviser Tetsuo Inooka of Japan International Cooperation Agency.

"We need to come up

turn to page 6



SEAWEED HARVEST. Seaweed output in the island of Tawi-Tawi is expected to keep rising in the years ahead as the seaweed industry cluster set up nurseries in selected coastal seaweed farms. Photo shows a boy showing off clumps of newly-harvested seaweeds before drying them under the sun on wooden platforms.

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PHILIPPINES

JICA cites impact of clusters on farmers

INDUSTRY clustering success is expected to have a significant economic impact on farmers and bring more investments in the Autonomous Region of Muslim Mindanao (ARMM).

Senior adviser Tetsuo Inooka of Japan International Cooperation Agency (JICA) cited the collaboration among national government agencies, the academe, local government units and the private sector in every industry cluster under the ARMM Industry Cluster Capacity Enhancement Project or

AICCEP.

"This is an industry capacity enhancing project, it's not a training program for the industry. That's why we want you to organize your clusters very well to sustain your activities and projects in the coming months," Inooka told ARMM cluster teams during a recent Davao

workshop.

Inooka reminded the cluster teams that they had already covered 20 months out of the total 28 months of the JICA-ARMM project and have only eight more months to go before the end of the project next year.

"At this point, we need to start thinking of how you can sustain your industry cluster activities and projects once this project is over," Inooka said.

turn to page 6

Big demand for abaca in motoring industry

MANILA— Abaca is now one of the newest material of choice for today's modern car, not some sophisticated, reinforced metal but one of the oldest fibers in use, one that's used for dashboards and car interiors — the lowly abaca commonly used in making ropes, handicrafts and even paper money.

Just recently, abaca found its niche in the automobile industry as the "strongest natural fiber material" for dashboards and car interiors, according to the Department of Science and Technology, which is backing a multi-million peso program to revive the abaca industry, for local application in many sectors and as top export item.

Abaca, known worldwide as Manila Hemp, is an economically important crop native only to the Philippines, being the lifeblood of more than 200,000 farming families from 56 abaca growing provinces in the country.

The strong fiber is also a top export commodity of the country with an average of US\$80 million annual export earnings. In

turn to page 6

DTI to train SMEs set up industry clusters

TOP OFFICIALS of the Department of Trade and Industry said they will provide cluster training for 3,800 micro, small and medium enterprises (MSMEs) in Central Luzon this year, in a bid to make them more competitive in local and international markets.

DTI officials said their regional offices will implement 152 cluster training sessions in 116 towns of Region III, mostly in Bulacan and Pampanga, along with

Tarlac, Nueva Ecija, Bataan, Zambales, and Aurora.

"For this year, SMERA (SME Roving Academy) is geared towards capacitating SMEs on how to prepare themselves for bigger and more complex markets, free trade, and the development of climate-smart industries in the context of climate change and the global value chain," the Trade department said.

turn to page 6

Malaysian palm producers to expand in Mindanao

MALAYSIAN palm oil producers are seeking fresh opportunities in the Philippines, aiming to build plantations in the country's southern region.

Mindanao can offer land to palm oil producers looking to expand but face a scarcity of land areas in their own country, Malaysian Palm Oil Council Chairman Lee Yeow Chor told business reporters in Manila.

"For Malaysian palm oil producers to expand, they have to look outside their own country and certainly the Philippines, especially the southern Philippines, is one of the areas to look at," said Lee.

A number of Malaysian palm oil producers had planned to expand in Mindanao some years ago, but held back due to security issues in the southern island.

After the Manila government and Muslim rebels began to talk peace and reach an agreement in 2012, Felda Global Ventures, one

of the largest crude palm oil producers, became the first foreign palm investor to consider Mindanao for expansion.

"The potential for expansion is there but it depends on how the government and industry players can solve any current problems," Malaysia Palm Oil Board Chairman Wan

turn to page 6



RUBBER FARMERS of Basilan island had a rare opportunity of visiting a rubber processing plant in Lamitan City after a series of training lectures and workshops in rubber farming conducted by the city government and the rubber industry cluster under the ARMM. Training the proper ways of growing rubber, tapping the rubber latex from the tree and processing the rubber under strict quality standards, are all expected to boost the quality of rubber in Basilan.



PROJECTS



TAPPING THE LATEX from a rubber tree the correct way, rubber farmers in Basilan had a field day of trying out their newly-found skills after days of training and workshops conducted by the ARMM rubber industry cluster team. Photo shows one batch of rubber farmers doing actual tapping demonstration to show how far they have learned the correct skills from their field instructors.

Lamitan rubber farmers train on better tapping

LAMITAN CITY -- A rubber farmer's skill in tapping rubber latex from the bark of a rubber tree can determine the quality and quantity of the latex that can be harvested in a rubber plantation.

Recognizing the lack of skills among Lamitan farmers in properly tapping rubber trees, the ARMM rubber industry cluster mounted a total of five training seminar-workshops during the months of September and October 2015 which attracted some 150 farmer participants from various rubber plantations in the outlying areas of the city.

"Lack of skill in tapping rubber trees among rubber farmers had been hampering the rubber industry's growth and development for so long now. That's why we gave high priority to this project," says vice-chairman Doming Narsico of the rubber industry cluster.

In his report to consul-

Mapping of seaweed areas winds up in Tawi-Tawi

TAWI-TAWI -- Mapping of all the seaweed varieties available in selected seaweed-growing areas in Bongao, Panglima Sugala, Sibutu and Sitangkai has wended up recently after the varieties were clearly identified by the seaweed industry cluster.

In a recent report to consultants of Japan International Cooperation Agency, cluster project team leader Dra. Jumelita Romero said they had already finished identifying the seaweed varieties in the four selected areas and has mapped out the varieties per study area.

"We're finished with identifying the varieties in the four areas. We've also wended up the mapping work of these varieties and collected seaweed samples from these areas," Dra Romero told JICA consultants during a recent Davao monitoring meeting.

After extracting and



A rubber farm trainee tries her new skill in tapping the white latex from a rubber tree in Basilan during a training workshop session.

tants of Japan International Cooperation Agency during a recent Davao monitoring meeting, Narsico said some 150 rubber farmers from 13 barangays in Lamitan joined the training composed of five batches which started with the first group, Batch 1 in September 16-18, 2015 at the FIT Center, SCARBIDC, Sta Clara, Lamitan City.

This was followed by Batch 2 (Sept 24-26), Batch 3

turn to page 7



Seaweed varieties in four seaweed farm areas of Tawi-Tawi had been identified and mapped out by ARMM seaweed industry cluster team.

characterizing the quality and carrageenan content of the collected seaweeds, carefully-selected branches of these seaweeds were grown and propagated under controlled conditions at the Seaweed Cultivars Laboratory of the Mindanao State University here in Tawi-Tawi, according to Dra Romero.

"We want to propagate

turn to page 6

Sulu coffee farmers setting up nurseries

JOLO, SULU --- New coffee nurseries in this island province have been set up during the last few months after coffee farmers went thru several lectures and hands-on demonstrations on establishing their own nurseries at their own coffee farms.

Conducted by coffee agriculture experts from the Department of Agriculture, the lectures and demonstrations were conducted in four sites of DA's Farmers Field School (FFS) here,



Coffee farmers set up a big fish net over their newly-constructed nursery to protect young coffee plants from animals, insects and harsh sunlight in Sulu.

drawing a big number of coffee farmers planning to put up their own nurseries.

"I think it's very important for coffee farmers to know the proper way of processing coffee seeds for propagation to make sure the seeds will germinate properly," says coffee cluster chairman Abdusali Ahalul

In his report to consultants of Japan International Cooperation Agency, Ahalul said it was significant for the coffee farmers to see for themselves how a coffee nursery is set up in a farm properly, how to prepare the seeds and the soil for planting, etc to make sure the nursery can produce the best coffee seedlings for planting.

The coffee industry cluster chairman said the farmers were also taught how to select the best coffee seeds, identify what

turn to page 6

Big turnout at coffee field school in Sulu

JOLO, SULU -- A large turnout of enthusiastic coffee farmers for a Farmers' Field School project here overshot the coffee industry cluster's target of 120 farmers to 170 farmers or an excess of 50 participants.

"So many coffee farmers here were so interested to join the Farmers' Field School even if we targeted only 120 farmers but we can't turn them away, so we allowed them to join the field school" says coffee industry cluster chairman Abdusali Ahalul.

In a recent Davao meeting with consultants of Japan International Cooperation Agency, Ahalul said the extra 50 farmer participants were recommended to the field school by the coffee farmers' cooperative chairman and approved by the provincial agriculturist of office under the Department of Agriculture.

Four organizations of coffee coops and associations in four sites in Sulu were chosen as the ven-

ues of the DA field school training program with coffee experts from the DA providing the lectures and workshops on the correct way of coffee farming from planting, soil management, pest control, applying fertilizer, proper harvesting, etc, etc--- everything the coffee farmer needed to know on Good Agriculture Practice or GAP.

"All the coffee farmers who participated in the

farmers' field school expressed their willingness to change their old traditional ways of coffee farming and replicate the new things they learned at their own farms," Ahalul said.

Training kits and agriculture supplies were provided to each coffee farmer who participated in the field school training workshop which require every coffee farmer to show hands-on

turn to page 6



COFFEE NURSERY. Sulu coffee farmers (above photo) are shown setting up the construction materials of the coffee nursery farm site after laying out this site at Kandayok, Panamao, Sulu island.

Land areas for abaca nurseries up in Lanao

MARAWI CITY --- Three pilot abaca nurseries have been established recently in Lanao del Sur province after three hectares of land were made available to the abaca industry cluster team for the project, according to abaca cluster chairman Pundato Alug.

In a recent Davao meeting with consultants of Japan International Cooperation, Alug said the land areas for the pilot nurseries were already prepared for planting, "but no planting can be done because we still have no abaca corms to use for planting."

turn to page 7

(The root mass from the bottom of either banana or abaca is called "corms" which is buried in a ground hole, instead of a seed or seedling from a fruit. - AAP)

"We need to buy these abaca corms as soon as possible so we can start planting them in these three pilot nurseries," Alug said.

Land preparation work on these three areas include soil cultivation and fencing the areas to secure the pilot nursery plants from stray animals and other disrup-

Rubber cluster finishes surveys in 39 villages

LAMITAN CITY --- A total of 39 barangays were covered in a city-wide survey of rubber plantations conducted by the rubber industry cluster over a three-month period early this year.

"It was important for us in the cluster to know how many rubber plantations are there in Lamitan, the number of trees, the age of the trees, number of farm workers, what their needs are, etc--- we need all of these in our new database," rubber cluster vice-chairman Doming Narsico said during a Davao meeting recently with consultants of Japan International Cooperation Agency.

Setting into motion this "assessment and database" project early this year, Narsico said the research staff hired for the project were initially anxious about the peace and order conditions of Basilan province since many of the rubber plantations were in the farflung areas of the city. After coordinating closely with barangay officials, the survey teams were provided security by the Philippine National Police.

To consolidate all the survey data gathered by

turn to page 7



DEMO FARM. Tall weeds growing on a site for an abaca techno-demo farm in Taraka, Lanao del Sur are cleaned out by a brush cutting equipment used by this abaca farmer. Abaca demo farms are a top priority for the ARMM abaca cluster team to show Lanao farmers the proper way of growing and harvesting abaca.

SPOTLIGHTS

Virgin coco oil exports surge 108% on rising global demand

VIRGIN coconut oil (VCO) continued to be the Philippines' top-earning non-traditional, coconut-based export, showing a 108-percent year-on-year surge in monthly volume recently, the United Coconut Associations of the Philippines (UCAP) said.

UCAP March 2015 data showed 11 niche coconut products chalking up more than \$100,000 each in export earnings for the month. Of the 11, the top five cornered more than \$1 million each in receipts.

VCO shipments earned \$19.84 million or some P880 million, with the United States taking 76 percent of shipments that totaled 4,409 metric tons. Other major destinations were Canada, Japan, Germany and the United Kingdom.

Coconut water was second with \$3.6 million, earned from shipments totaling 2.7 million liters. This was 69 percent more than the volume shipped out in March 2014.



MARKET DEMAND for coconut virgin oil in world markets has surged in recent months as recent exports shot up 108% year-on-year in monthly volume. Big bulk of the demand (63%) comes from the US market, with smaller shipments going to Canada, Japan, Germany and UK.

The US cornered 63 percent of shipments or about 1.7 million liters while smaller volumes went to Australia, Canada, the United Kingdom, and 14 other destinations.

Coco coir or fiber and coir products came in at third place as exporters earned some \$1.3 million from shipments totaling 1,063 tons. This was 69 percent less than the year ago

volume.

Fourth was bath soap with \$1.3 million from the sale of 652 tons, or a decrease of 20 percent in volume from the same period last year.

Fifth was hydrogenated coconut oil, earning a total of \$1.29 million from 1,876 tons — with the volume ballooning sevenfold. (Ronnel Domingo / INQUIRER.NET)

Tuna exports up but value down 30%

GENERAL SANTOS CITY— - The value of Philippine tuna exports in 2014 went down by 30 percent despite an increase in shipped volume, according to a report prepared for the ongoing 11th Regular Session of the Western and Central Pacific Fisheries Commission (WCPFC) scientific committee in Pompei, Micronesia.

According to data submitted by the Philippine delegation, tuna shipments amounted to US\$459.83 million, down from US\$664.50 million in 2013.

The bulk of export revenues came from canned tuna, which reached 58,660 metric tons (MT). Fresh, chilled and frozen tuna products came next with export volume totaling 28,808 MT. The country also exported 1,460 MT of dried and smoked tuna products.

Overall export volume went up to 88,928 MT, aided by a 98 percent increase in the volume of canned tuna,

turn to page 7

Clusters help revive mango industry

MANGO GROWERS in Southern Mindanao have been losing their shirts, so to speak. While the prices of inputs like fertilizers and crop protection chemicals have continually become more expensive, the price they get for their mango harvest has been erratic and mostly below production cost.

As a result, many of the mango farmers had been cutting down their trees because the price per kilo had gone down to as low as R5 per kilo. There was no way the farmers could make a profit at this price level.

That situation worried Emmanuel 'Manny' Bartocillo no end. He himself is a mango grower, trader and processor. Most of their mango trees are 20 to 25 years old and they are in their very productive years if they are properly taken care of.

That prompted him to think of ways to save the mango industry, particularly in Region 12 which consists of the four provinces of South Cotabato, North Cotabato, Sarangani and Sultan Kudarat, plus the two cities of General Santos and Cotabato. The area planted to mango in the region is 17,400 hectares with about 779,000 trees.

turn to page 7



MORE INVESTMENTS in the poultry industry are expected in 2016 as local and foreign investors find the industry as lucrative as ever with demand for fresh and processed poultry products rising in Japan, Korea, China, Middle East and Europe. Northern Mindanao is now in the spotlight with more investors' inquiries rising within the industry.

Poultry to attract P500M investments in 2016

CAGAYAN DE ORO— - Poultry growers and farmers, specially the micro, small and medium enterprises or MSMEs were advised to secure Halal Certification to be able to market their chickens overseas once the ASEAN economic integration begin to take place by yearend.

Department of Trade and Industry regional director Linda Boniao said all the MSMEs in Northern Mindanao have so much to earn from the integration of the Association of Southeast Asian Nations.

Halal food has been prepared according to Is-

lamic law, and is free from pork products, alcohol and certain other ingredients. Islamic groups are involved in halal certification, with companies paying fees for inspection and certification carried by the Islamic Da'wah Council of the Philippines, according to Boniao.

Northern Mindanao has the third highest production volume for poultry in the country and is the only one outside Luzon. Boniao said the presence of large poultry production in Northern Mindanao means there is a big potential for exports to

turn to page 7

Isabela dairy coop to have new DA facilities

WITH THE help of the Department of Agriculture, a dairy processing facility in Isabela will soon upgrade the production, processing, and marketing of milk and other milk-based products, thus boosting the growth of the Philippine dairy industry.

The DA, through the enterprise development item of its World Bank-assisted Philippine Rural Development Project (PRDP), will soon upgrade a cooperative-owned dairy processing facility in Mallig town in Isabela.

This P32-million project Isabela Dairy Enterprise will upscale the production, processing, and marketing of milk and milk-based products such as raw milk, pasteurized milk, flavored milk, yogurt and milk-o-gel. The initiative is expected to benefit more than 2,400 households in Mallig and nearby towns. During a stakeholders' consultation of the Luzon A Cluster leg of the First World Bank Implementation Support Mission to the

PRDP, Edwin Respicio of the Cagayan Valley Maunlad Cattle and Dairy Cooperative said the project will bring a guaranteed market for dairy farmers in Mallig and in surrounding towns. He added that this will likewise increase income for women and small farmers can participate in various projects and activities including milk gathering and selling fodder.

The enterprise will provide dairy raisers with a

turn to page 7



Isabela dairy farmers are now producing good quality fresh milk from their coop-owned dairy processing facility.



Ben Lao turned a once-useless grassland into the most productive coconut farm in Davao del Sur, producing export-quality coco sugar and virgin coconut oil, earning much higher income than his copra output.

BEN LAO OF BANSALAN

Farmer makes more money in coco sugar

BANSALAN, DAVAO DEL SUR — Ben Lao had an exciting story to tell. He related how he and the farmers in Bansalan, Davao del Sur, have converted useless grasslands into productive land. He is the president and CEO of Lao Integrated Farms, Inc.

Adopting the organic farming technique in underutilized rocky and grassland areas, Ben Lao employed science-based technology to transform the once unproductive land in Bansalan into the most productive farmland in this province.

The main crop is coconut and the major product is coconut sugar. To increase the production of sap for coco sugar production, Lao promoted among neighboring farmers to apply vermicast (earthworms) and use salt to fertilize their coconut trees. The result is increased production of coconut sap

from four to six liters of sap per tree a day.

Because of the excellent result of his intervention, he was inspired to teach the neighboring farmers to adopt his technique. This led to bigger volumes of sap for commercial coco sugar production. The next step was to produce quality coco sugar so that it will meet export quality standards. Lao worked on the certification of his coco sugar and enhanced packaging. He also intensified the promotion of coco sugar locally and abroad.

Ben Lao promoted coco sugar and other products of his farmers' group to the world's markets through the internet and extensive use of his own website, trade missions and trade fairs overseas.

Lao said he started with just three coco sap gatherers. Today, there are 132 gatherers which means that he created new jobs for his fellow farmers in Bansalan. He said that when one coconut tree is used for the production of coco sugar, the profit is almost three times compared when the tree is used for making copra.

One coconut tree can produce 25

turn to page 7

ACTIVITIES

Crafts training set up by abaca cluster

MARAWI CITY --- Various products like ropes, twines, scrunch, handbags, floormats, tablemats, etc, can be hand-made from abaca fiber and sold in local or overseas markets as additional sources of income for abaca farmers and their families.

"That's why we need to set up a skills training program for abaca farmers and their families to teach them how to make sellable products from abaca fibers," says abaca cluster chairman

Pundato Alug.

In a recent report to consultants of Japan International Cooperation Agency, Alug said despite some delays, the abaca cluster team was able to start the handicraft skills training seminars and workshops for several abaca farmers and their families in mid-November 2015.

Cebu-based handicraft experts in abaca crafts making were contracted to conduct the week-long training seminars and workshops.

Sewing machines and some fabricated machines were prepared and used by the participants during the training workshops held in Iligan City.

Abaca farmers and growers in the Lanao del Sur had been griping for years about the low-buying price of abaca of a single abaca trading company cornering all the supply of abaca fiber from abaca growers and processors in the province.

turn to page 7

Govt wants to revive interest in bamboo

SAN FERNANDO --- Trade and industry officials held recently the Regional Bamboo Congress in a bid to open another avenue to revive the dying interest on bamboo --- the country's alternative to wood products.

Warren Serrano, information officer of Department of Trade and Industry (DTI) Central Luzon, said the congress highlighted the importance of bamboo in the preservation of the eco-system aside from its common use as an alternative to wood.

"We're pushing the idea of reviving the public's dying interest on bamboo and promoting its propagation all over the country," said Serrano, stressing that bamboo is the only alternative to other woodcraft products such as furniture and decorative materials.

The day-long activity was held at the Pampanga State Agricultural University where participants were given the opportunity to

turn to page 7



ABACA CLUSTER team members are shown meeting with officials of the PhilFIDA in Pagadian City to finalize their plans for skills training, buying of abaca corms for their nurseries and benchmarking plans and schedules.

Coconut by-products boost farmers income

COTABATO CITY --- Increasing the income of every coconut farmer in the Autonomous Region of Muslim Mindanao has been cited by the coconut cluster team as "the real problem of the coconut industry" in the region.

"Besides making copra, we have to find ways for our coconut farmers to boost their income from the various by-products of the coconut tree" says Tanggote Panganda, chairman of the coconut cluster in a recent report to consultants of Japan International Cooperation Agency (JICA).



Handicrafts made from coconut shells and coco husks.

Many coconut farmers in Maguindano, according to Panganda, are asking how they can make money from the other by-products of the coconut, citing the huge piles of coconut husks after every harvest as well as the various products farmers can make from dwarf species of coconuts.

"They want to know how they can produce virgin coconut oil, coco sugar, coco cream, coconut milk for domestic and export markets. They also want to know how they can turn their wastes of coconut husks into coco peat and coco fiber which have big export potentials," Panganda said.

The Philippine Coconut Authority in the province, according to Panganda, is closely coordinating with the coconut cluster team and will soon put up a nursery for dwarf coconuts in Maguindano and make the seedlings available to all

turn to page 7



ABACA HANDICRAFTS. Hundreds of products can be made from abaca fiber and sold in both domestic and global markets. Rope, twines, floormats, handbags, table mats, house decors, etc are just some of the products manufactured from abaca fiber. Photo shows some of the abaca products made from abaca fiber by Lanao weavers after a skills training seminar.

Power plants to get 550mw in 2016, expect less brownouts

PEOPLE are suffering from the sweltering heat from El Nino, as rotating brownouts all over Mindanao are back in time for the Christmas season.

A Department of Energy official is confident it will be better next year (2016) as a total of 550 megawatts (MW) power capacity is expected to be added and installed to the Mindanao Power grid by the first half of 2016 with the maiden operations of three coal-fired power plants in southern and northern Mindanao.

The three coal-fired power plants are the two units of San Miguel Consolidated Power Corporation (SMCP) with a combined capacity of 300 MW, Sarangani Energy Corporation (Sec) Unit-1 with a capacity of 100 MW and the Aboitiz-Power's 150 MW Therma South Inc. (TSI) Unit 2.

"The entry of these coal-fired power plants

turn to page 7

Seaweed cluster meets Tawi-Tawi growers

TAWI-TAWI --- Common problems faced by seaweed farmers and growers in the coastal towns of Panglima Sugala, Sibutu and Sitangkai were identified and threshed out during meetings recently with the seaweed industry cluster team led by cluster chairman Annabel Sahali and co-chairman Filemon Romero.

Project team leader Dra Jumelita Romero said the island of the Sitangkai has around 100,000 hectares of coastal sea area planted to seaweeds, followed by nearby Sibutu island with 15,000 hectares of seaweed farms and the coastal area of Panglima Sugala covering some 350 hectares of seaweed farms.

"All in all, our cluster team had five meetings and consultations with seaweed farmers and growers in these areas during the third quarter to find out their problems and what we can do to help them," Dra. Romero said during a recent monitoring meeting in Davao with consultants

of Japan International Cooperation Agency.

Dra. Romero took up the issue of some seaweed farmers using fertilizer to fatten their seaweeds which increase their weight but reduces the carrageenan content. "We asked them to stop using fertilizer and explained to them that seaweeds with higher carrageenan content are better quality seaweeds that can command higher prices," the team leader said.

The seaweed industry cluster team also identified the seaweed varieties in the island towns of Bongao, Panglima Sugala and Sitangkai and mapped out their locations in these three areas, according to Dra Romero.

Identifying these areas, according to the team leader, has helped them in establishing model seaweed nurseries to produce new and better varieties of seaweeds from the propagules grown in the laboratory of the Mindanao State University in Tawi-Tawi. (Philpress News)

152 rubber farmers trained on farm management

LAMITAN CITY --- Rubber plantation farmers coming from the outskirts of this city turn out in big numbers to take up intensive training in "rubber production technology and management training" conducted by the rubber industry cluster team led by chairperson Mayor Rose Furigay.

A total of five training schedules were conducted and completed in five batches from May to September 2015 drawing a total of 152 farmer participants coming from some 19 barangays in Lamitan, according to Furigay.

"We were so impressed by the all-out participation of rubber farmers here in



A rubber farmer trainee tries budding a seedling during a farm training workshop.

this technology and management training. We knew how much they needed this type of training. Our city is giving them its all-out sup-

port for the sake of growth and development of our rubber industry," Furigay said.

The first training batch or Batch 1 was held in May 25 to 27, followed immediately by Batch 2 in May 28 to 30, 2015, and later the following week by Batch 3 in June 2 to 4, all funded by Japan International Cooperation Agency under the ARMM Industry Cluster Capacity Enhancement Project of JICA and the ARMM Department of Trade and Industry.

Rubber cluster vice-chairman Doming Narsico said the next two batches that followed, Batch 4 and

turn to page 7



RUBBER BUDDING. A rubber farm expert show participating farmers of a training workshop in Basilan how to plant a rubber tree seedling properly. Training rubber farmers in the island in the correct method of growing rubber, is a top priority activity of the ARMM rubber cluster team.

SIDELIGHTS

Active participation of private sector urged

PRIVATE sector participants in all the industry clusters of ARMM Industry Cluster Capacity Enhancement Project (AICCEP) had been asked to be more actively involved in every activity and project of their cluster.

"Every member from the private sector in all the clusters, must know every step of the way in the implementation of projects and activities," ARMM Assistant Trade Secretary Abubacar Datumanong told industry cluster members and project managers during a recent meeting in Davao with consultants of Japan International Cooperation Agency.

"You have the right to know everything your cluster does, from the buying of materials to the delivery of materials to the construction. This is part of your ca-

"You have the right to know everything your cluster does, from the buying of materials to the delivery of materials to the construction."

capacity enhancement in your industry," Datumanong said, addressing members from the private sector.

"That's why it's so important for you to get in-

involved actively in discussing details and making decisions on every activity and project of the cluster team where you belong," Datumanong stressed.

The ARMM Assistant Trade Secretary stressed this point as the various industry clusters—Palm Oil, Coconut, Coffee, Abaca, Seaweed, Rubber --- were already buying and delivering materials to the various projects and activities set into motion by the clusters these past months, after JICA funds and counterpart funds from national government agencies and local government units were released to them. (Philpress News)

Sarmiento firm offers land for palm nursery

COTABATO CITY --- A two-hectare land for a palm oil nursery has been offered for use by a Sarmiento Industries in Maguindanao province to the ARMM palm oil industry cluster team.

This nursery project has been among the cluster's top priorities, according to the cluster chairman Suharto Ibay who cited the need for high quality oil palm seedlings to distribute to growers and farmers planning to start or expand their production of palm oil.

"Many farmers and growers are asking us where they can buy palm oil seedlings. That's why we need to put up our own nursery to supply the seedlings to them," Ibay told consultants of Japan International Cooperation Agency during a recent Davao monitoring meeting.

Ibay said the industry cluster team is working closely with the Philippine Coconut Authority in the province which is collaborating with the team

turn to page 7



To push the growth of the palm oil industry in the ARMM, the cluster team plans to set up a number of nursery farms to supply seedlings to palm oil farmers in the region. Photo show a typical palm oil nursery in the southern Philippines.

Dagupan bangus' tag certifies milkfish quality

Dagupan City, Pangasinan --- Lovers of "Dagupan bangus" and consumers now get nothing less but this city's best milkfish with every milkfish tagged with the "Dagupan Certified" logo.

Fisherfolks and producers of the Dagupan bangus have banded together to give their special brand of milkfish the advantage it deserves and for customers, visitors and tourists to be assured they are getting the best tasting milkfish in the country.

"We have lots of competition and there are times they take our market by misleading the buying public that they are selling 'Dagupan bangus;' and jacking up the price," said one retailer. "The truth is ---the real Dagupan bangus has its own distinct taste---and its the best tasting milkfish."

turn to page 7

Banana exports to Iran to increase this year

PHILIPPINE banana growers and exporters are expecting a higher volume of exports to Iran this year after several months of declining banana exports devastated by the impact of El Nino on the industry.

Stephen A. Antig, executive director of the Filipino Banana Growers and Exporters Association said the banana exports from Davao to Iran are expected to surge to higher levels after the sanction imposed by the United States to the Islamic Republic was lifted in May last year.

"Hopefully we expect a significant increase in terms of banana export volume going to Iran especially now that economic sanctions imposed to that country by the US had already been lifted," Antig told Davao reporters.

He said Iran had been encountering problem in the remittance of payments for bananas in the past years after its bank accounts were frozen due to the US sanction.

Based on the Philippine Statistic Authority 2015 first quarter export data, Iran placed third among the Philippine export top destinations of fresh or dried bananas--- and recording a total export FOB value of \$8.1 million. (Free On Board value does not include the shipping costs)

Japan has remained the top banana importing country during the period with \$37.4 million followed by China with \$33.7 million.

A total of \$94.2 million export FOB value was recorded by the region during the same period with gross weight of 349,483,515 kilograms (kgs).

Iran market demand for fresh bananas this year, according to Antig, is esti-

turn to page 7



BANANA EXPORTS. Fresh Cavendish bananas are packed for export in this packing plant in Davao del Norte. Faced by challenges and a myriad of problems, the banana industry has remained stable in the years past and continued shipments of the commodity to traditional markets like Japan, which remains the top banana importer in the country. The industry expects a higher volume of banana shipments to Iran in 2016.

JICA adviser explains PMO work functions

FUNCTIONS and responsibilities of project management officers as well as those running satellite offices in the provinces of ARMM were explained in detail by senior adviser Tetsuo Inooka of Japan International Cooperation Agency to the various PMOs and SPMOs during a recent Davao meeting.

"Besides planning and managing the project in your area, you still need to administer the operations of the cluster, helping in tapping sources of funds and doing the accounting of

their expenses," Inooka told the project management officers from the Department of Trade and Industry regional and provincial offices in the ARMM.

Inooka also cited the need of promoting the industry cluster approach in their areas by gathering information of all the activities, projects and programs of the cluster and sending the reports to the Philippine Cluster Bulletin for publication.

"Promoting the indus-

turn to page 7



Milkfish grown and harvested in Dagupan is boosting its image of high quality by a tag saying "Dagupan Certified" on every bangus that comes only from Dagupan fishponds.

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JICA PROJECTS

“Every cluster must review the progress of the activity plans of the cluster team and share the performance results among the cluster players in the team.”

JICA cites importance of regular MONITORING

MONITORING the performance of an industry cluster regularly is very important, according to senior adviser Tetsuo Inooka of Japan International Cooperation Agency.

“Every cluster must review the progress of the activity plans of the cluster team and share the performance results among the cluster players in the team,” Inooka said.

In a presentation made recently to all the cluster teams of the Autonomous Region of Muslim Mindanao, Inooka stressed that monitoring will review all the activities conducted and the budget disbursed, but most important of all, the cluster team will be able to evaluate the impact of

the activities conducted and compare them with the targets or goals set up by the cluster.

“In evaluating an activity, you’ll be asking yourselves how you implemented the process and what methods you used in setting your plans into motion,” Inooka pointed out.

The JICA consultant cited such activities as training to upgrade skills, holding a forum to push an advocacy, or participating in a trade fair to promote product sales, etc.

While monitoring is done to “assess the performance,” Inooka stressed that it is conducted also to evaluate what had been done by the cluster, comparing it to the targets set in the beginning by the team.

“After all this checking every step of the way, the cluster is expected to update the plan for better performance in the succeeding months,” Inooka said.

Evaluation of performance, according to Inooka, is the most important part in the monitoring report where the cluster must describe its evaluation on their performance.

Inooka said the cluster must describe its overall evaluation, such as “performed more than targeted”, “performed as targeted,” or “performed poorly compared to targets”.

The cluster team must be able to analyze the causes of failures and the reasons for success, taking into account both internal and external con-



Rubber industry cluster team holds training for rubber farmers during a recent seminar workshop in Basilan.

ditions, describing them clearly for everyone to understand easily, according to Inooka.

The JICA consultant cautioned however that “performance” is a de-

scription of facts. “Just make sure you don’t mix up the description of facts and your own comments,” Inooka said. (Philpress News and Features)

ARMM offers tax...

market matching and encounter, exhibits about the rubber industry and its by-products.

PRIME aims to serve as a platform to launch the manufacturing resurgence program for the rubber industry positioning of the least three business-friendly regions in Mindanao with ARMM as the new marketing hub for various rubber products.

This year the confer-

ence will provide access to information related to business opportunities in the rubber industry and its value chain with emphasis on manufacturing and processing.

More than 700 participants and potential investors and rubber executives coming from Malaysia, Singapore, Thailand, Japan, India and European countries attended the rubber industry conference. (Notredame News)

AICCEP forms...

with a good sustainability plan to continue all the six industry clusters in the ARMM and submit to JICA,” Assistant Trade Secretary Abubacar Datumanong told project management officers during a recent Davao meeting.

The sustainability plan will be reviewed carefully by Inooka to see how JICA can extend the AICCEP project for another two years, according to Datumanong.

The possible extension of the project was also discussed by Inooka with the PMO’s and the Assistant Trade Secretary who also took up the group’s desire for a benchmarking visit to Japan to observe how the country promotes the growth of its small and medium enterprises (SME) and how industry clustering helped in the economic growth of Japan.

With the project about to end in June next year (2016), JICA wants to know what more it can do for the ARMM after the end of the project, according to Inooka.

The AICCEP is the third industry clustering project handled by Inooka after winding up the National Industry Cluster Capacity Enhancement Project in 2013 and the first pilot Davao DICCEP in 2010. AICCEP, NICCEP and DICCEP are all joint projects of JICA and the Department of Trade and Industry. (Philpress News)

JICA cites...

Once an industry cluster is organized, the team can strengthen their organization by conducting regular activities and projects guided by clear plans and strategies to succeed, according to Inooka.

The JICA consultant also cited the significant supporting role of the government from both local and national agencies which create the conditions that encourage and motivate farmers, growers, producers, processors, traders, investors to boost the growth of their businesses. (Philpress News)

Big demand...

global trade, it boasts of high demand as raw material for cordage, textile, handicrafts, and specialty paper.

Supplying 85 percent of the total world abaca fiber production, the Philippines prides itself as the world’s top producer of abaca fiber. Despite its dominance in the world market, however, the country is confronted by the reality that abaca remains a poor man’s crop. The small farmers get meager income from abaca production, and this eventually forces them to shift to other crops. (Jose Bimbo Santos / INTERAKSYON NEWS)

Mapping of seaweed...

new better quality seaweed varieties that have higher carrageenan content. It could take a while to grow at the laboratory, but the long wait will be worth it for Tawi-Tawi seaweed farmers and growers and the whole seaweed industry,” Dra Romero said.

During her report to JICA consultants, Dra Romero presented a series of slide-show pictures showing the seaweed cultivars in different stages of growth in numerous glass discs inside the MSU seaweed laboratory.

Dra Romero said the new seaweed cultivars will soon be planted at the sea-based nurseries in the four selected areas here in Tawi-Tawi, allowing them to grow robustly in large numbers before making them available to seaweed farmers and growers in the island province. (Philpress News)

Big turnout...

all the proper ways of planting, grafting, spraying, fertilizing, etc during the field workshops.

Co-chairman Harrison Haron, provincial director of the Department of Trade and Industry expressed hopes that all the coffee farmers who took the training workshop under the DA’s Farmers Field School will improve their farming methods in the planting, growing and harvesting of coffee and produce some of the best coffee in the country. (Philpress News)

Malaysian palm...

Khair-il Anuar told business reporters.

While exploring expansion opportunities in the Philippines, Malaysia also wants to ship at least 500,000 tons of refined palm oil to its Southeast Asian neighbor this year, Lee said. (ABS-CBN News)

Sulu coffee...

soil medium to use, how to prepare the seeds for sowing, putting up sun shades, mulching the soil and finally, how to transport the seedlings properly from nursery to the planting site.

“All these steps are very important for the farmer who wants to produce the best coffee seedlings from his own nursery” Ahalul said.

Some problems they faced at the nursery farm sites include the lack of water to irrigate the soil and the low percentage of germination of the coffee seeds used during the farm demonstration, but these were later addressed by the coffee cluster team, according to Ahalul. (Philpress News)

DTI to train...

“The complexity of the environment in which MSMEs operate now require that their preparation in competing and surviving at the present level of competition should be responsive to the needs of the times.”

The training will focus on business continuity planning, financial management, compliance with tax regulations, understanding trademarks and copyrights, Association of Southeast Asian Nations economic integration, pro-green economic development, as

well as hazard analysis and critical control points for food processors.

The agency said these were designed to complement the strengths of industry clusters and products in Central Luzon.

“Provinces with significant fishery resources are provided orientation sessions on export opportunities for sea products while areas with significant coconut resources are trained on export opportunities for the growing coco coir and coco sugar markets,” the statement read. (Daphne Magturo / BUSINESS WORLD)

PHILIPPINE CLUSTER BULLETIN

The Philippine Cluster Bulletin is the monthly publication of the ARMM Industry Cluster Capacity Enhancement Project (AICCEP) a joint project of Japan International Cooperation Agency (JICA) and the Department of Trade and Industry of the Autonomous Region of Muslim Mindanao. (DTI-ARMM).

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DISCLAIMER

Editorial responsibility for every issue of the Philippine Cluster Bulletin lies solely on the Editor in Chief. Although every effort is made in validating and proofreading this issue under the time pressure of press deadline, we still anticipate some avoidable but unintentional errors, omissions and factual oversights. Being the sole responsibility of the chief editor, it is understood that NO member of the AICCEP project teams from either DTI or JICA is liable for any errors, omissions and oversights in every issue of the Philippine Cluster Bulletin.

MONITOR

Land areas for abaca...

tions. These three areas as planned, are in the towns of Madamba, Calanogas and Balabagan.

Alug said high quality abaca seedlings (corms) to be planted in these pilot nurseries will be the main source of abaca seedlings for all the abaca farmers in the three areas in Lanao del Sur.

Abaca farmers in the province are presently growing any variety of abaca available to them, which turn out to be low quality, low volume abaca plants that had been generating

low income for them.

Considered one of the abaca industry cluster's top priorities, this pilot abaca nursery project started on the last quarter this year (2015) and will end as planned in 2017, according to Alug.

Technical assistance had been provided to the projects of the abaca industry cluster team by the Fiber Industry Development Authority (FIDA) in Region 9 which considers Lanao del Sur one of the largest abaca growing provinces in the country. (Philpress News)

Tuna exports up...

which topped 58,660 MT in 2014 – up from just 29,660 MT in 2013.

While the volume of tuna exports last year increased, it still is way below the 2010 volume of 110,489 MT.

Major export destinations include the U.S., Japan and United Kingdom.

The rise in export volume coincided with the increased in tuna landings last year totaling 384,942 metric tons from both commercial and municipal fishing operations. General Santos City continues to account for the bulk of the country's total tuna landings.

In 2014, the Philippine Fisheries Development Authority office in General Santos City reported a total of 193,867.55 MT in fish landings - about 90 percent for tuna and tuna-like species.

The bulk of these landings, at 92,387.36 MT, however comprise frozen tuna of which 65,493.15 MT are imported from Papua New Guinea, Taiwan, Japan, Marshall Islands and Korea.

General Santos city is home to six of the country's big tuna canneries. The two others are located in Zamboanga City. (Edwin Espejo / INTERAKSYON News)

Isabela dairy...

daily cash inflow of about P184 per cattle head for raaw milk production. This will also popularize milk consumption among children, addressing malnutrition issues.

With vast tracks of land suitable for growing dairy animals, Isabela has identified dairy its top priority

industry commodity under its Provincial Commodity Investment Plan.

The dairy enterprise project will be complemented by a farm-to-market road project under the PRDP's rural infrastructure development component. The farm road will cover Mallig's five dairy-producing villages. (DA News)

Coconut by...

coconut farmers and growers.

Benchmarking trips to successful coconut farms in various parts of Mindanao had been conducted by the cluster team, including a visit to a successful coconut farmer, a national awardee in Bansalan, Davao del Sur, who is producing and exporting coconut sugar and

virgin coconut oil to world markets.

One machinery the cluster team hopes to acquire is a Decorticating Machine that turns piles of old coconut husks into coco peat and coco coir, two by-products simultaneously. Market demand for coco peat and coco coir is huge in global markets, according to Panganda. (Philpress News)

Power plants...

will normalize the power stability of the island," said Noriel Christopher Reyes, Science Research Specialist II of the Department of Energy (DOE) Electric Power Industry Management Bureau during the Information Drive on the Mindanao Energy Plan and the Impacts of El Nino on the power sector or Energy Conservation Program (Enercon) on Monday at the Pinnacle Hotel and Suites.

Reyes added that the energy sector projected some 100 to 200 MW power shortfall beginning this month until February of 2016 because of the extended long drought or El Niño. "By March of next year we expected that the power

capacity in the island will normalize especially with the entry of new power plants" he said.

The commercial operations of the 300 MW two-unit power plant of SMCP is expected by May and June of next year, 100 MW of Sec by April while 150 MW TSI unit two by March 2016.

Based on the MPMC data, all the committed power projects in Mindanao reached a total of 1,920 MW as of October 31. These power projects are expected to start operations between this year until 2018.

Of the 1,920 MW, 1,760MW of which is coal-based, 11.90 MW is oil-based while only 148.40 MW comes from the renewable, hydropower plants. (SUN STAR DAVAO)

Rubber cluster...

the research team, the rubber cluster team was able to use the regular office staff of the City Agriculture Office which is under the office of the City Mayor Rose Furigay, who also heads the rubber industry.

"Since the major industry of Lamitan is rubber and our city mayor is our industry cluster chair person, we were able to complete our survey project according to our timetable," Narsico said.

The results of the updated database of Lamitan's rubber plantations were very helpful in planning the next phases of their activities in the city which included technology training, management training, training on tapping techniques, quality management training, etc, according to Narsico. (Philpress News)

Govt wants to...

present their ideas on business potentials in local and export production of bamboo crafts especially with this year's ASEAN integration.

Invited as speakers are Edgardo Manda, president of Philippine Bamboo Federation, DTI Assistant Secretary Blesilda Lantayona, Department of Science and Technology (DOST) director Victor Mariano and Land Bank manager Tony Reyes.

About 200 participants, mostly bamboo enthusiasts, furniture shop owners, businessmen and other stakeholders showed up and attended the congress, actively participating in the discussions and open forum covering various issues and concerns of bamboo growing and processing.

Serrano said bamboo experts, farmers, academic personnel, local government officials and entrepreneurs from different parts of Luzon participated actively in the bamboo congress. Engineered bamboo products by a number of export firms were displayed and highlighted during the congress

Serrano said the activity is also in support of the National Greening Program of the government and the development of green technology and businesses. (Jess Malabanan/ Central Luzon Daily)

Banana exports...

mated to be around 48 million boxes with each box weighing 13 kgs.

During the long US economic sanction on Iran, a Philippine Quarantine Service report (2012-2013) data showed a total of 6,086,499 carton boxes were exported to Iran as of June 2013 compared to the 9,524,208 boxes exported during the same period in the preceding year, slashing more than half of the Philippine banana export volume. (Ace June Perez / SUN STAR DAVAO)

Farmer makes...

nuts in a period of three months. Usually, 5 nuts make one kilo of copra. If the copra is sold at P35 per kilo, the gross sales amounts to P175. Deduct the expenses of P80 and you get a net income of P95 from one tree.

On the other hand, you rent a tree for three months at P90. The net income from each tree is P270 if you tap it for toddy and make that into coco sugar. It makes sense to produce coco sugar than copra. (Zac Sarian / MANILA BULLETIN)

Crafts training...

"We've got to help these abaca farmers find other sources of income from the abaca they grow and turn into fiber. Selling the fiber to waiting traders had always been the traditional way of earning from abaca, but farmers are complaining about the low buying prices," Alug said.

Once these abaca farmers know that there are many ways to diversify and turn abaca fibers into different kinds of marketable products, they will no longer be dependent on a single company buying all their abaca fiber at low prices, according to Alug. (Philpress News)

152 rubber farmers...

Batch 5, held in June 9 to 1 and September 9 to 11, 2015 were supported and funded by a government agency, the ARMM Department of Agriculture.

Farmer participants who took the recent training in rubber technology and farm management come from the following barangays: Boheyakan, Bulingan, Balobo, Maganda, Balagtas, Lumuton, Look, Arco, Ulame, Ubit, Colonia, Baungus, Bulant-

Poultry to attract...

ASEAN members. "But to realize the region's potential, MSMEs still need to do more in terms of Halal certification" Boniao said.

Mindanao plays an important role in trade among neighboring countries Malaysia, Indonesia, Brunei, and Singapore, according to Boniao.

Boniao said the large multinational companies in Northern Mindanao will not have a problem with their exports come ASEAN

integration. But for her, the government should focus on helping MSMEs survive in the large ASEAN market.

Latest data from the DTI showed that MSMEs in Bukidnon generated 6,561 jobs with domestic sales of P225.52 million.

Presently DTI is focusing on key MSME industry clusters such as coffee, cacao, coco coir, processed fruits, nuts and rubber for exports. (Rappler.com)

Clusters help...

What did Manny Barcillo do? He spearheaded the formation of the Region 12 Mango Industry Development Council (MIDC) of which he was the founding president and holds the position to the present. Among others, the strategy is to teach the mango growers the improved techniques of production to increase their yields as well as to cut their expenses so they will make a profit.

Mango growers were formed into industry clusters in the four provinces and two cities. There are three clusters in South Cotabato, for instance. The same with North Cotabato

and the other areas. Why the clusters? Well, that simplifies the transfer of technologies, production strategies and coordination of activities.

One activity is the training on good agricultural practices. Another is value-adding to increase incomes. Development of business entrepreneurship is another important program of the MIDC.

In orchard management, the mango owners are taught proper pruning, fertilization, spraying against pests and diseases, irrigation and the like. By adopting the good agricultural practices, the farmers can produce higher yield of good quality fruits at a lower cost. (Zac Sarian / MANILA BULLETIN)

Sarmiento firm...

by offering to fund the establishment of a large palm oil nursery in the ARMM region.

"Many palm oil growers are hampered by the high cost of importing high quality seedlings. The process of importing alone is so complicated with red tape, it's so difficult to import palm oil seedlings," Ibay told the JICA consultants.

Ibay said the cluster team is thankful for the help they are getting from the PCA most especially for their various assistance to small palm oil farmers who want to expand their farms.

The palm oil cluster team, according to Ibay, has submitted its application to the Cooperative Development Authority (CDA) to turn their industry cluster formally into a Cooperative and has opened its own bank account to be able to transact business officially. (Philpress News)

Dagupan bangus'...

City officials led the tagging of authentic Dagupan bangus at the city's branding center inside the consignment area at the Mag-saysay Market recently.

One official said the tagging will give added value to the city's main product aside from the guarantee

that consumers are buying the real Dagupan bangus in the market.

City Agriculture Officer Emma J. Molina said that Dagupan City is the first to tag its bangus and the first to officially recognize its local produce as Dagupan bangus. (Liezle Basa Inigo / MANILA BULLETIN)

JICA adviser explains..

try clusters this way will help encourage other industries to adopt the industry clustering approach to promote the growth and of various industries and help in the economic development of your region" Inooka stressed.

Inooka said the DTI can do this by showing successful examples of industry clustering in the ARMM to motivate and promote more industry clustering in the region, using the clustering approach of the ARMM Industry Cluster Capacity Enhancement Project or AIC-CEP, a joint project of JICA and the DTI-ARMM.

"It has been shown by your various clusters that the clustering approach has a very good infrastructure to attract financial support

from government sources to sustain the activities and projects of the cluster," Inooka said. (Philpress News)

Lamitan rubber...

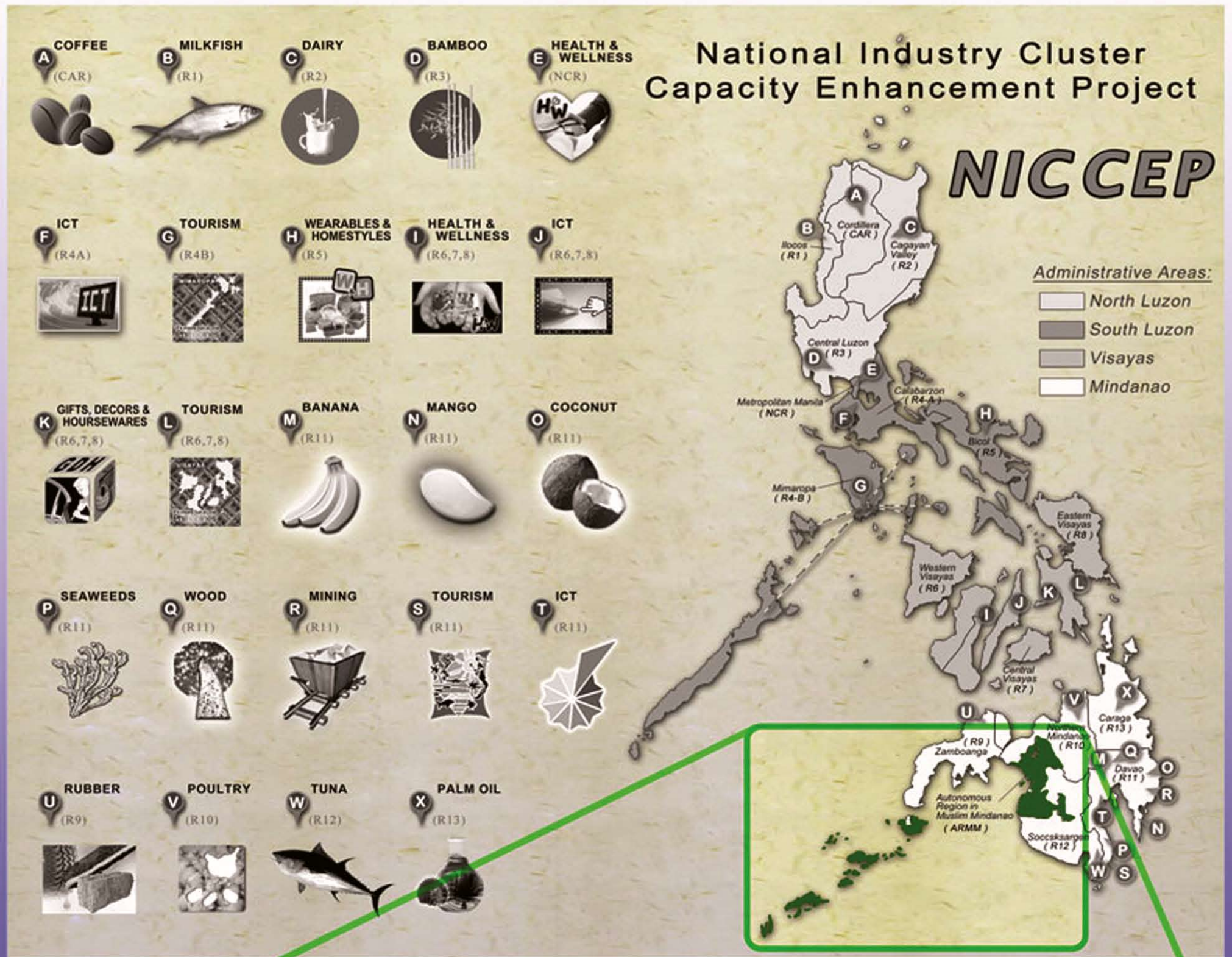
(Oct 5-7), Batch 4 (Oct 8-10) and Batch 5 (Oct 14-16) in the same venue and capped by their Graduation Ceremony in October 20, 2015, at the Datu Rizal Cultural Center here in Lamitan City. The three first training batches were funded by JICA while the two batches were funded by the ARMM Department of Agriculture and Fisheries.

"There was a lot of interest and enthusiasm among the participants to

learn the correct way of tapping rubber latex from professional tappers in the rubber industry who made sure each farmer had actual hands-on tapping training experience," Narsico said.

The 13 barangays where the farmer participants came from, included Sta Clara, Baungus, Boheyakan, Balagtas, Bulingan, Lumuton, Arco, Maloong San Jose, Balobo, Colonia, Limook, Bohemanga and Ubit. (Philpress News)

Industry Cluster Project Map



Autonomous Region in Muslim Mindanao (ARMM) Industry Cluster Capacity Enhancement Project

