

GREEN VILLAGE

REPORT OF ACTIVITY



Waiting for the « Go! »

While the Youth are even challenging themselves on the last steps before the construction on site and perfectionning their preparation, the design team of architect and engineers have finalized the new implementation and our partners are more than ever mobilized for the project... So, what are we waiting for ?

An internationally known word can answer easily this question : the *administration*!

It is requesting all our skills in terms of patience but it worths it. The finality is not more than getting the right of road construction, electrical connection and drilling of the deep-well.

This month

- Second design meeting
- Involvement for the Community
- Tapos na the Bamboo Dryer modules !
- First construction meeting
- Carry on the dry toilets prototype
- Maintenance
- Modules of the Temporary Houses
- Bamboo joints
- Exposure and learning
- Bamboo treatment experimentations
- Life of the center



APRIL 2016

Second design meeting

After a lot of difficulties and multiple processes to get a valid referenced map, the relocation survey of the land of the Green Village has been, finally, completed at the beginning of the month.

It enables us to do the second design team meeting on site to locate the access road, the future deep well and to define the new Site Development Plan. A meeting gathering all our design engineering team, our architect Aaron Lecciones and our precious and supportive local partners : the national NGO, Society for the Conservation of Philippine Wetlands (SCPW) and the regional water supplier, Laguna Water District.

The building of the road will be more than soon accompanied by the water and electricity supplies ! The process is long but worths it.

The surveyors during the relocation survey on site who located the 4 bornes of the land



The official boundaries of Green Village!



Bornes recognition on site during the second design team meeting



Exchanges about the Site Development Plan



A professional design meeting involving the Youth of both programs, Eco-construction and Green Garden, concretely in the project like Nhamie, John Bryan, Michael and Jomer (a former Youth who wants to become architect) proud to be part of this moment.

Involvement for the Community

Some Young Adults of the Calauan's Life Project Center volunteered during the *Festival of Learning* organized by the association *All Together for Dignity Fourth World*. ATD Fourth World is mobilized in Southville 7 to accompany families moved from the slums and squattered areas of Manila and developed some regular programs for them. The opportunity for the Youth to give back to their Community leading some playful activities for children around the thematic « Mother Earth », a thematic well-know by the Youth thanks to the Green Village. Nature, reuse, valorization were the key-words of this day combined with a good example of « Together we can ».

Maridel from Green Garden explaining to Zeejay, 9 years old, how to transform a piece of newspaper into a rose!



Jonathan, a Youth of Eco-construction, teaching the children how to reuse their damaged CDs into a colorful elephant!



For this game you will need team spirit and mutual aid, are you ready?... Leo, a Youth of Green Program, challenging the children of Southville 7.



Do you prefer an used plastic bottle flower or an old newspaper bouquet of roses?



Nhamie, Rucelle and, a new comer, Jimbo, painting the last modules to protect them against the oxidation.

Tapos na the Bamboo Dryer modules !

They had to make 22 modules. It is done ! The welding of the metal grid is now completed. They even challenged themselves by decorating the 6 last modules with welded letterings.



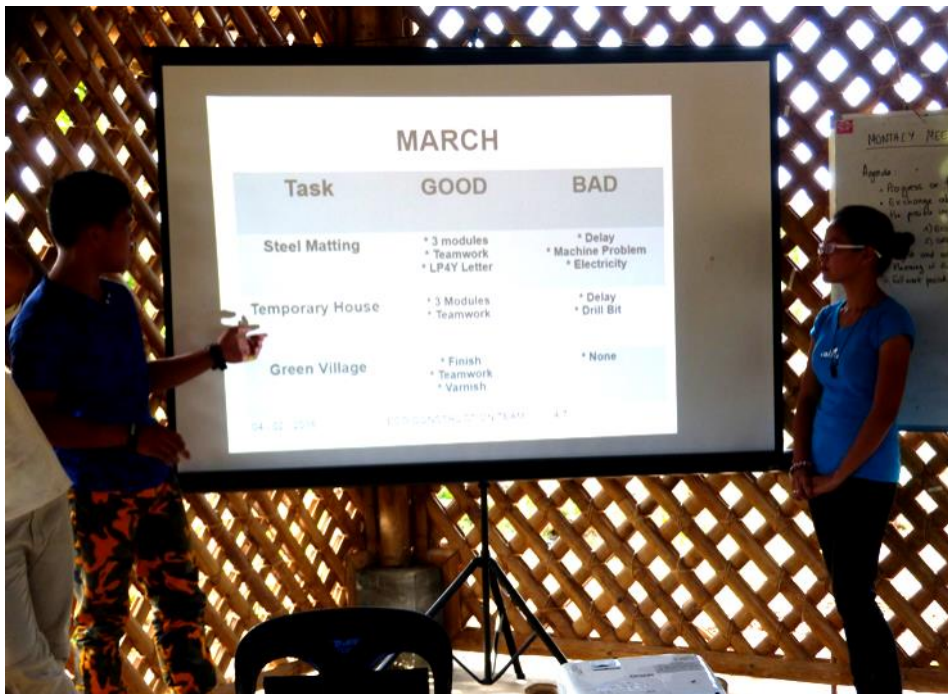
David, in charge of the measurement and cutting of the metal bars to make the letterings



An activity with multiple tasks that helped to accustom the Youth of Eco-construction to correctly use their safety equipments even if it is a long process !



After that, Loudimer welding each letter of LP4Y and GREEN VILLAGE on the grids. Good job !



Jonathan and Rucelle presenting the positive and negative points of each activity on the month of March



Gaëlle, the Project Head (the « Customer » for the 2 teams) explaining the selection of the suppliers



A meeting gathering the 2 teams deeply involved in the project: Green Garden and Eco-construction with their coaches, Alex and Loïc.

First construction meeting

The teams gathered during 2 hours to do a big meeting on the project !

It was the opportunity for each team to highlight their progress, difficulties on each activity and to think about the possible improvements. A good opportunity to take distance with their activity.

The Project Head, could also present the coming planning and explain the progress of the design team.

As it is an incredible training exercise for the Youth, it is, now, settled as the « monthly construction meeting » of the Green Village.

Sandra and Michael exposing the activities of the Green Garden on March





Bryan, a Youth of Eco-construction, cutting the bamboo with the circular saw to make the door of the dry toilets



Installation of the stairs in bamboo



Beginning of the doors : the entrance door and humanure area door (to remove the future bucket of human waste).



The entrance door and the front wall are finished !

Carry on the dry toilets prototype

The Youth of Green Garden and Eco-construction have continued this month their successful collaboration on building the dry toilets prototype. The absence of Green Garden team during one week to attend a seminar about organic farming slowed down a bit the rythm but it is going on the last steps. The construction of the human waste area below the building is beginning.



The landscape of the Training Room prototype is changing everyday. It is becoming a real showcase of the LP4Y Youth's talents !



Peter, Alvin and our carpenter-trainer Sonny preparing the structure for the back wall.



Jerhamie and Peter of the Green Garden program preparing the slates of bamboo to attach the wall in sawali.



Peter installing the sawali to make the back wall. And Alvin, after that, doing finishes by adjusting the sawali.

Michael and our carpenter-trainer Sonny beginning the wall of the humanure area (area where will be located the bucket to collect the human waste called « humanure »)



The humanure area on going !



Jonalyn, a Youth of the Green Garden, who designed and painted the new board of the compost area.

Refreshing of the garden areas

The Youth team of Green Garden is carrying their organic plantations and experimentations for the future landscape and gardens of the Green Village. But, meantime, they also dedicated energy and creativity to rethink their « communication » to the local community. Indeed, the current compost is not a real success... because it is used as garbage bin by the neighbours! So, let's work on it and use all our imagination to create educational and fun panels to ensure the young and old people understand and respect this place!

Jonas, Nika, Benji and Jonalyn satisfied by the new explanatory panels to the Community.



Benji painting the new panels for the compost area.





The new panel of the Greenhouse of the Green Garden created by the Youth.



Alvin, cleaning the garden around the Training Room prototype.



Annie and Sandra transplanting the calamansi trees in the greenhouse.



All the Green Garden is mobilized to clean and organize the greenhouse.

Maintenance

Following the steps of the last months, the Eco-construction team worked to beautify the center.

This month they amazed us by transforming an old and damaged white board (waiting only to be thrown away) into a superb board wearing a nice bamboo frame. The magic of recycling and reusing ! Good job!

Bryan and Grace on the transformation of the old white board.



Ready on time for the briefing of Keth, the manager of the Eco-construction team.



It is a real challenge here, in Southville 7, but the Youth are carrying on their intempt to push the Community to sort their garbage.



Grace and Emerson repairing the fence broken by the children.



Nika and Grace following the instructions of Bryan, the expert in maintenance!

Modules of the Temporary Houses

The numbers of modules has exploded this month as the Youth of Eco-construction, in charge of this activity, realized their organization was maybe not so efficient! They have, now, 2 small teams working on it with new and more adapted tools. Then, they encountered another new challenge : to store and secure all these modules! But, apparently, it was not really a challenge, they designed and made their own lockers !



Bryan fixing the bracing piece of wood on a wall.



Grace, Nhamie and David attaching the frame of a window on a module.



John Bryan finishing a module of wall.



Rucelle and Bryan working on the modules of the temporary houses.



Gerald and John-Bryan making some lockers to secure the finished modules.



Keth and Loudimer cutting the pieces of wood necessary for the window frames.

Nika and Bryan making the different joints in bamboo.



Bryan and our carpenter-trainer are checking the bamboo joints before to bring them in FPRDI laboratory in Los Banos.

Bamboo joints

Thanks to our local partner, the Forest Products Research and Development Institute (FPRDI) in Los Banos, we will be able to test the strength of the bamboo joints with their specific laboratory machines.

Some youth were in charge of making the 7 different kinds of joints we have used in our Training Room prototype.

Then, we brought these joint samples in the laboratory of FPRDI to choose one joint that will be the one to test with different variables.



Milissa and John Bryan with Engineer Christian in FPRDI laboratory, discussing which joint is the most adapted for the test.



Visit of the facilities of FPRDI with Milissa and John Bryan who discovered the wood dryer and other wood engineering machines.



3 of the 7 bamboo joints made by the Youth.

More and more exposure and learning !

The Youth of the 2 teams involved in the Green Village project continue each month to participate to many events bringin them to more improvements in their activities, more understanding regarding the project and more progress on their personal training.

This month, the Youth of Green Garden had the chance to attend the 1 week training on « *Lowland vegetable production for organic and conventional farming* » offered by our local partner Bureau of Plants and Industry (BPI). Moreover, they also went to the civil engineering laboratory of University of Philippines in Los Banos (UPLB) to discover and learn about a small-scale grey water treatment constructed wetlands. This experimentation is actually made by Eden, a student, who is currently doing her 6 months graduation thesis for the Green Village project.

On their side, the Eco-construction team visited the association SHOLUTIONS dedicated to emergency housing in after natural disaster. An amazing foldable yurt in bamboo !

Brian, Ramil, Annie, Shera and Jonalyn discovering the vermicompost ready to use as fertilizer after only few months in the facilities of BPI.



The Youth of Green Garden could also meet these dear worms hardworking to transform the green waste into this natural fertilizer.



Jonas of Green Garden in the greenhouse to learn new techniques.



The 1 week course was half in class to give the theoretical bases with the intervention of several experts, and half practical fieldwork.



The civil engineer student, Eden, during her defense. A study presenting some encouraging results for her low-cost and natural grey water treatment system to rural communities.



The small scale constructed wetland testing different low-cost or reused medias combined to filtering plants (like bamboo in the first set-up) to find the best results in terms of nitrogen and phosphate removals.



The student explaining the experimentation set up and its results. She reached to provoke multiple questions from the Youth who showed a real interest for the test going on!



Ramil of Green Garden team is perplexed facing the water leaving the filtration system. Only with sand, gravels and bamboos ?!



Emerson, Bryan and John-Bryan amazed by the samples of bamboo walls and the innovative structures of bamboo chairs made by Engineer Pascal of the SHOLUTIONS association.



The Eco-construction team discovering the bamboo foldable yurt design of SHOLUTIONS.



Bamboo treatment experimentations

The Youth of Eco-construction are also in charge of realizing some experimentations about the bamboo treatment.

The decision about the bamboo treatment was, first, a big step! This meant to collect experts opinions from bamboo construction experts (for example IBU-KU, a very famous bamboo architectural agency in Indonesia, or BAMBOO-ROO, a bamboo architect in Thailand), get documented and compare the different eco-friendly alternatives existing. Long months !

Finally, the most natural and efficient treatment appeared to be the borax.

Now, it was time for the Youth of Eco-construction to enter in action by realizing an experimentation. First, it is a good way to understand the process of treatment and, moreover, it is the best way to test the real efficiency of the treatment combined with different factors that could impact (with or without bamboo skin, culm size, freshly harvested or no ...).



Bryan and Emerson following step by step the process of treatment. Here, weighing the amount of borax necessary for the 10 liters of solution they have to make.

Bryan positioning the pieces of bamboo to treat into the solution.



Bryan removing the treated bamboos after 1 week of soaking.



Installation of the treated bamboo pieces in an infected room.



After only 4 days the first infection appeared in the non-treated pieces of bamboo.



Leo, from Green Program, presenting the situation of the Calauan relocation sites to our special visitor : Patrick Heaume.



Some members of the Star Club of Calauan preparing the agenda of their event with the Youth.

The life of the center

This last month was punctuated by 2 important events. First, a member of the LP4Y France board, Patrick Heaume, visited our center and the Green Village land! A good opportunity for the Youth to understand more the role of the Alliance. Then, the former Youth of the center of Calauan, the Star Club of Calauan, organized a day of testimony and trainings for the Youth. A great moment of sharing !

The life of the center is carrying on with almost full teams thanks to the active and regular recruitment lead by our community mobilizer, Kim.



The Youth of Green Program leaving to their weekly *Healthy Corner* in company partners in Manila.



The first workshop to coordinate the actions of all the associations involved in Southville7. A good example of « Together we can » !



Jomer, a member of the Star Club, doing a training to the Youth of the center.



Trainings of external local partners.



The soon full teams of the center !



The Youth are our Future, Let's Work with Them !



www.fb.com/lifeproject.foryouth



www.lp4y.org

The *Green Village* project is a unique project in LP4Y. It is especially supported by Coopération Humanitaire Luxembourg (CHL) providing financial support and an evaluation from the Ministry of Foreign Affairs in Luxembourg (MAE) through a three-year partnership agreement raising 2/3 of the budget. Others numerous organizations and partner companies support us through financial or material donations as EDF Energies Nouvelles, Banque Degroof Luxembourg, Philippines Luxembourg Society, Capgemini, Apprentis d'Auteuil, Deutsche Bank, Bureau of Plants and Industry, Society for Conservation of Philippines Wetlands, SES. This project counts also invaluable local partners bringing technical consultancy and general punctual or continuous supports as the Municipality of Calauan, Aaron Lecciones Architects, Forest Products Research and Development Institute, University of Philippines in Los Banos through the Civil Engineering Department, Laguna Water District, Water Agroforestry Nutrition and Development Foundation, Balik Probinsiya, Sholutions, Bambooroo, Habitat for Humanity Foundation.

To make a difference with the Young Adults from LP4Y, please contact us at info@lp4y.org