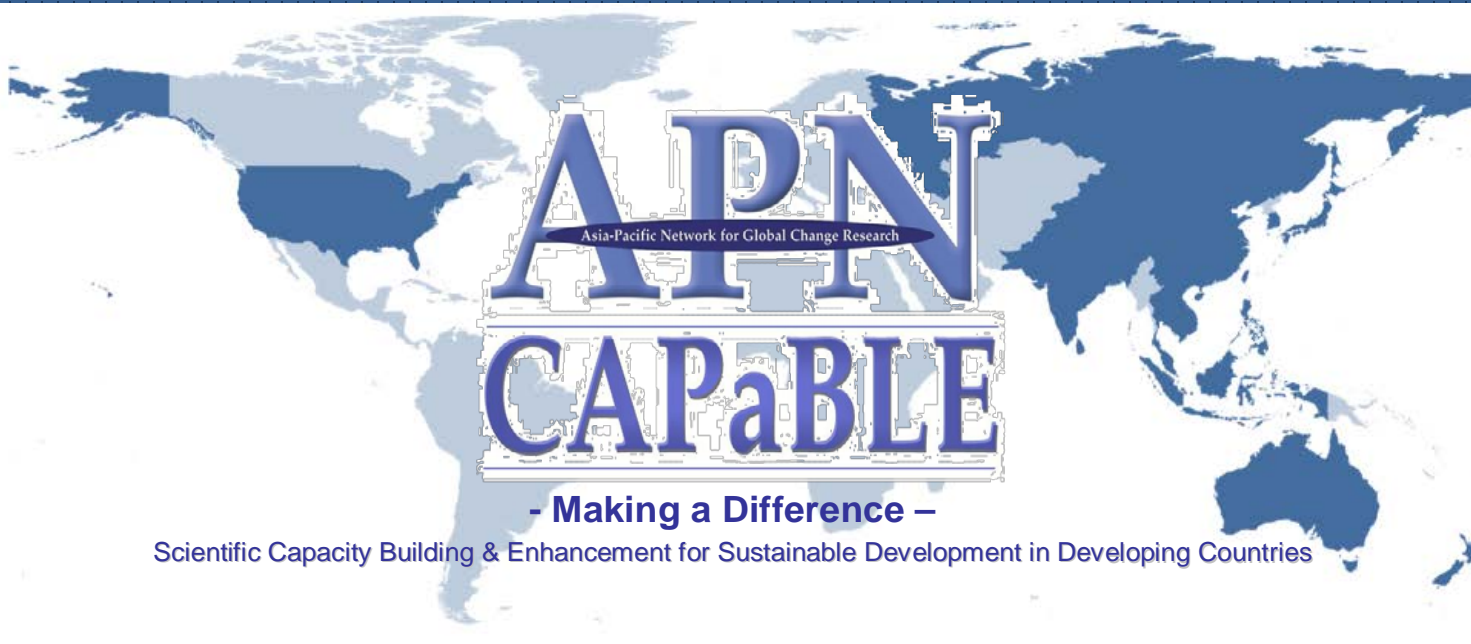


Project Reference Number: CBA2013-15NSY-Heinrich-Sanchez
Building Capacity on Marine Litter Management in
the NOWPAP (Northwest Pacific Action Plan) Region



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Building Capacity on Marine Litter Management in the NOWPAP (Northwest Pacific Action Plan) Region

Project Reference Number: CBA2013-15NSY-Heinrich-Sanchez
Final Report submitted to APN

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OVERVIEW OF PROJECT WORK AND OUTCOMES

Non-technical summary

In order to enhance capacity for the effective management of marine litter (ML) in NOWPAP member states as well as the implementation of the NOWPAP Regional Action Plan on Marine Litter (RAP MALI), 2 day workshop was organized in collaboration with the relevant international organizations, focusing on strengthening regional cooperation by sharing best practices for ML management, including policy measures implemented in the region. Recommendations from the workshop were communicated to governments, environmental NGOs and scientific community for initiating future activities to deal with ML problems. An International Coastal Cleanup (ICC) Campaign (beach cleanup) was organized after the workshop using the new Ocean Conservancy (OC) marine litter data cards.

Keywords

Marine litter, Northwest Pacific, NOWPAP, regional collaboration, beach cleanup

Objectives

The main objectives of the project were:

1. Enhance capacity for the effective prevention and management of ML among NOWPAP member states (China, Japan, Korea and Russia), and for the implementation of the NOWPAP RAP MALI.
2. Promote education and public awareness of ML impacts on coastal and marine ecosystems in the NOWPAP region.
3. Strengthen cooperation among countries in dealing with ML, including data collection and exchange of information.
4. Share best practices for waste management, including policy measures introduced for sustainable production and consumption (e.g., introduction of mandatory recycling, deposits for beverage containers, bans for free plastic bags distribution).

Amount received and number years supported

The Grant awarded to this project was:

US\$ 33,000 for Year 1.

Activity undertaken

This project included preparation and organization of a regional workshop and beach cleanup campaign which further strengthened regional cooperation among China, Republic of Korea, Japan and Russia (NOWPAP member states) through involving policy makers, local governments, and NGO representatives in collaborative actions against marine litter.

Results

1. Knowledge and skills on ML management of National NOWPAP ML focal points (representatives of central and local governments and leading research institutions in the field) were enhanced through hearing presentations from Korea, Japan (2 presentations), Philippines and China during the session on central and local government actions addressing marine litter.
2. Knowledge and skills of ICC national coordinators (NGO representatives and individual experts) were enhanced through hearing about best practices and know-how from China, California (USA), Korea, Russia and Japan during the session on NGO efforts to deal with marine litter.

3. Cooperation in the NOWPAP region in dealing with ML, including cooperation between NOWPAP and other international organizations, was further enhanced through the involvement of such organizations as Ocean Conservancy (USA), Hong Kong Cleanup (China), “Let’s Do It!” campaign (Estonia), “Green Fins” and “Pirika” projects, representatives from Alaska (USA), Indonesia and UNEP IETC as well as relevant government authorities (central and local) from NOWPAP member states. New research developments related to marine litter were also presented by experts from USA and Japan (2 presentations from each country), Russia and Korea.
4. **Enhanced awareness on the capacity needed for cooperation within local ML networks which involved in the project (i.e. the Okinawa Clean Coast Network (OCCN), I Love Okinawa Campaign®, LEAD-Japan Asia-Pacific Initiative for ESD) and other island networks to the region. This is a promising “first date” for regional collaboration. Without proper follow-up it could end up to be an expensive 3 day “one night stand” between NGO’s and the official bodies with our local NPO left “capable” of holding the bag of the status quo.**
5. Awareness on the need to reduce amounts of ML among countries involved was further increased through involvement of, including local authorities and NGOs from NOWPAP member states in the workshop and beach cleanup (and an additional 1-day NGO forum organized prior to the APN-funded workshop). Follow up “social media” style is needed for the next step.

Relevance to the APN Goals, Science Agenda and to Policy Processes

As marine litter is an issue of national, regional and global concern (ML is being drifted around the world affecting biota, transporting toxic substances and invasive species, contributing to micro-plastics pollution, etc.), this project pursues the APN Goal 2 by supporting regional cooperation and strengthening interactions among scientists and policy makers.

By involving also three national and five regional coordinators (new coordinator from Indonesia) for the International Coastal Cleanup (ICC) including local practitioners, the project contributed to the technical capacity building in developing countries addressing marine litter management and prevention which supports APN Goal 3.

Self evaluation

I was motivated to host the NOWPAP WS in Okinawa with the hopes that Okinawa might be considered to be included in the NOWPAP Region or as a UNEP Regional Seas special region. Okinawa is right in the middle of the “Kuroshio Large Marine Ecosystem”. Our islands would benefit greatly in being included in this important action plan in order to continue to create opportunities like this NOWPAP WS to enhance knowledge, skills, strengthen cooperation and contribute to the target of reducing marine litter while increasing our oceans resilience.

Once I first realized that Okinawa is not in any region, I attended the 2010 NOWPAP Workshop held at Hirado City, Nagasaki Japan at our own expense. Our organization is the Ryukyu Islands International Coastal Cleanup (ICC) Coordinator and listed in the Ocean Conservancy’s yearly Trash Free Seas® report since 1992, first as the Okinawa International Clean Beach Club (OICBC) and to date as NPO Okinawa O.C.E.A.N.

On behalf of NPO Okinawa O.C.E.A.N., I agreed to become a proponent on the condition that NOWPAP RCU provide the administrative support and guidance for this huge project. It has been a lesson well learned that without a professional support staff and proper follow-up, this type of activity can turn into a futile exercise of bureaucratic largess which could well leave the proponent pregnant with responsibilities with nothing to show for after the party except official looking reports. Government follow-up is needed yet suffers from the yearly fiscal year “change of command” where

new government officials are put into place not always with the expertise, motivation or focus found in the NGO and scientific community, yet without their government procedural expertise, new policies cannot be implemented. We hope to be different and taking advantage of the opportunity to take this big bite, in order to increase the chances of Okinawa to be included in the UNEP Regional Seas Programme towards a, I accepted this challenge.

On March 5th Okinawa Coral day, a proposal was submitted to the Okinawa Prefecture Assembly requesting that the Okinawa Prefecture Government ask the Ministry of the Environment and the Ministry of Foreign Affairs to consider including Okinawa Prefecture in the geographical scope of the NOWPAP Region as an investment in diplomacy towards a sustainable Asia-Pacific. The proposal is in page .

It was and continues to be a unique and original plan to bring together the NGO community of Okinawa, Asia-Pacific and the NOWPAP Workshop at a new graduate university, the Okinawa Institute of Science and Technology (OIST) aiming to be "Best in the World". Key NOWPAP WS participants came a day early to attend the "1st Okinawa NGO Asia-Pacific Environmental Forum" in order to formulate strong recommendations to the NOWPAP WS during session one (NGO Efforts to Deal with Marine Litter) for the benefit of the country focal points and government officials attending. The Pyramid 2030 exercise was held at the OIST Seaside House. It was intense and focused our participants into a strong unit that had the confidence to make recommendations to the larger inter-governmental UNEP NOWPAP Workshop participants. The location at OIST provides future possibilities in making Okinawa into a launch pad for sustainability. As a small all volunteer based NPO we were strained for lack of staff. The assistance from the Okinawa NGO Center was crucial.

The timing was excellent as we were able to benefit from key experts that influenced the outcome of the NOWPAP. Follow up for this kind of forum needs to be budgeted. The key is in the next level of contact. In retrospect, I would plan for a two day forum as part of the NOWPAP WS and more time to prepare staff. We need to have participants connecting and communicating months before we bring them together in order to create the spirit of ownership and teambuilding.

I believe that we achieved 70% of all stated objectives and 100% in creating a new baseline of cooperation. The area which needed more focused outcomes was on the "implementation of strategies to establish local guidelines for better coastal management in Okinawa special protected zones such as Cape Maeda." We were exposed to socio-political issues such as the Henoko (Oura Bay) proposed landfill and fulfilled the objective of proposing Cape Maeda as the location for the Green Fins Japan pilot project. The NGO participants achieved the desired team building using the Pyramid 2030. The capstone of the pyramid was the NGO recommendations presented on the NGO session of the NOWPAP. The beach cleanup went well with the use of the new ICC data cards. We did not get the anticipated result of using the mobile phone applications although they were introduced at the forum followed by a full presentation at the NOWPAP WS, we needed more follow-up for implementing it on the ground level. The application still needs development and would need to dedicate a more hands on session for better implementation.

We did achieve a new level of understanding between the Okinawa Clean Coast Network (OCCN) and the Asia-Pacific leaders. The Japan Coast Guard model along with the monthly NIKO NIKO day model of monthly cleanup activity on the 22nd of the the month was well received. A key element of the sessions was the Earth Charter as a core document for Education on Sustainable Development (ESD). Former Minister of the Environment Hon. Wakako Hironaka gave a key note speech on the Earth Charter to participants and attended not only the NOWPAP WS sessions but stayed for the final Friday special session hosted by JAMSTEC.

We had very good islands wide representation with presentations from Iriomote, Ishigaki, Miyakojima for the benefit of NOWPAP WS participants. It was a packed week. It was fortunate that

some key members were able to come early, visit Miyakojima including a courtesy call to Mayor Shimoji. We met the night of Monday October 21st to prepare for a press conference at the Okinawa Prefecture Government building where we spoke about NGO leadership and NOWPAP forum. A story with a picture of NGO/NOWPAP WS participants was printed in the Ryukyu Shimpo newspaper on October 23rd. This generated local interest and inquiries for a future forum. We were caught between two typhoons causing some cancelations by volunteer students due to safety concerns. Due to the distance between OIST Seaside House and locations it would have been helpful to have a dedicated microbus. NOWPAP WS participants who attended the Pyramid 2030 session, brought with them to the NOWPAP WS a new focus on sustainability and motivation for new partnerships.

Potential for further work

Next NOWPAP ICC campaign and workshop will be held in Korea in September 2014. Supported by the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA), NOWPAP will co-host (with Northwest Pacific Regional Environment Cooperation Center, NPEC), the regional node of the Global Partnership on Marine Litter (GPML).

Here are the 11 POINTS of outcomes related to “Blue October” = the NGO/NOWPAP Workshop.

One outcome that is being developed and related to the forum is the proposal now being considered for Memorandums of Understanding between Okinawa universities and the Okinawa University of Peace Costa Rica University for Peace: <http://www.upeace.org/>

Okinawa University: <http://www.okinawa-u.ac.jp/foreignRinenE.php>

IMPORTANT: We have considered the possibility of inviting UNEP to establish a NOWPAP Regional Coordinating Unit (RCU) by either moving from Toyama Prefecture to Okinawa or better yet, to establish a small satellite office in Okinawa. It is being discussed and looking into the possibilities. Expanding the geographical scope of the NOWPAP to include Okinawa was mentioned in a scoping paper which included a map. We would recommend that the Geographical scope in Okinawa be focused on the Kuroshio Current (Large Marine Ecosystem -LME) south to Miyakojima City.

Comment from the 1st Extraordinary Intergovernmental Meeting NOWPAP

<http://www.nowpap.org/news/news.php>

Below you will find the POINTs No.4 and No.10

We hope that by the time the Classic Live for the United Nations is performed in Onna Village, to use the stage to announce Earth Charter endorsements. The Mayor of Onna Village (home to <http://www.oist.jp>) is now the Chairman of the Okinawa Mayors Association.

INTRODUCTION

New partnerships were born from the "Blue October". Strong professional connections were created while empowering the youth participants.

<http://tedxyouthseaburyhall.com/team-member-of-the-week-natasha/>

A facebook page was created during the NGO forum to help consolidate the views.

<https://www.facebook.com/pages/Worlds-Beautiful-Chura-Oceans-Smiling-Niko-Niko-into-the-22nd-Century/675908485760197>

11. POINTS plus ONE (the NOWPAP Workshop)

1. Development of the "My Island: My Earth Charter" to be released at the final event of the UN Decade on Education for Sustainable Development (ESD) to take place in Nagoya November 2014.



The screen (woodblock art provide by Naka Bokunen) reads: "My Island:My Earth" Charter. Participants of Blue October: Okinawa NGO Forum and NOWPAP WS and ICC Campaign

https://www.apn-gcr.org/resources/items/show/1910#.U0-KRPI_sbM

2. UNEP Green Fins Japan - Pilot site Cape Maeda (Chloe Hunt presenter)

<http://maedamisaki.jp/>

<http://www.greenfins.net/>

3. Zero Waste Communities Challenge

4. Proposed to the Okinawa Pref. Assembly to extend the UNEP Regional Seas North West Pacific Action Plan (NOWPAP) to include Okinawa Prefecture (will pursue southern boundary down to Miyakojima City.

5. Invitation by the Mayor of Miyakojima City to host the Asia-Pacific Let's Do It World Cleanup which would be the 2nd Okinawa NGO Asia-Pacific "Environmental will be blended as ESD" Forum. and NOWPAP related expert meetings.

6. NPO 法人沖繩 O.C.E.A.N. to shift its focus navigation course to focus on Education - ESD. The E will be changed from Environment to Education.

February 27th

7. Ministry of Foreign Affairs hearing about Official Development Assistance (ODA) and NGO collaboration. Provided Questions concerning ESD and English Education.

This is on the Ministry of Foreign Affairs website recordings of sessions. Uploaded this week. Participation facilitated by the Okinawa NGO Center and held at the Japan International Cooperation Agency's (JICA) Okinawa International Center, Urasoe City, Okinawa February 28th, 2014.

March 5th and March 14

8. Proposed that Okinawa Prefecture Assembly to have Okinawa Prefecture endorse the Earth Charter Initiative and to promote participation by Okinawa schools in the UNESCO Associated Schools Network. Proposals have been reviewed and accepted for deliberation in June Assembly sessions. Okinawa Prefecture Assembly, Naha City.

9. Participation in the first Kyued Up sessions powered by the Pullapproach. <http://pullapproach.com/>

co-founder Nikon Rasumov introduced the Pullapproach during the Okinawa NGO Forum. His partner Robin Rahe presented at the TEDxRyukyu at OIST on November 9th 2013

<http://tedxryukyu.com/speaker.html>

Our support for the organizing of the TEDxRyukyu at OIST was done as I Love Okinawa Campaign(R) and inspired by the first TED talk I ever watched: Dr. Sylvia Earle's TED Prize and M.Kalani Souza's TEDxSF: Big Blue (A Very Special Evening on the Oceans) San Francisco talk after his participation as a speaker in the 5th International Marine Debris Conference sponsored by UNEP/NOAA, where we presented him with a Shell Horn from Miyakojima's Ohgami Island symbolic as a voice for the oceans. This Shell Horn made it back for the Okinawa NGO Asia-Pacific Environmental Forum and NOWPAP WS and now in the hands of master navigator,

1. <http://5imdc.wordpress.com/>

2. <http://www.ted.com/participate/ted-prize/prize-winning-wishes/mission-blue-sylvia-earle>

3. <http://tedxtalks.ted.com/video/TEDxSF-M-Kalani-Souza;search%3Atag%3A%22TEDxSF%22>

4. Natasha Salamack Youth Ambassador to the NOWPAP Workshop was featured below:

<http://tedxyouthseaburyhall.com/team-member-of-the-week-natasha/>

10. Launch of World O.C.E.A.N. as an NGO and Asia-Pacific to world islands as a "sustainability platform" for the 22nd Century with action focused on the 22nd of every month. This will be an Action Network based on the partnerships born during the NGO Forum. It will be launched on June 8th World Oceans Day 2014. On that day, all Okinawa NGO Participants will be presented with World Ocean Citizenships. Partnerships will be signed with Let's Do It World Cleanup and World Oceans Day.

We hope that by this time, the Okinawa Prefecture Assembly will move to have Okinawa Prefecture endorse the Earth Charter.

11. Classic Live for the United Nations, Play with Music based on the Earth Charter will be performed in Okinawa in June 13-14th 2014.

http://www.un.emb-japan.go.jp/events/0617_1912.html

plus ONE: NOWPAP: Related: Presentations from the UNEP Regional Seas Programme's Northwest Pacific Action Plan (NOWPAP) Workshop on Marine Litter Management and International Coastal Cleanup (ICC) are on this page: <http://dinrac.nowpap.org/document-ICC-2013.php>

The Okinawa NGO Forum recommendations to the NOWPAP are in Session 1: Efforts by NGO's led by Robert Steele and Kalani Souza with Natasha Salamack, Loretta Brown, Lisa Christensen. participants

THESE FINDING AND OUTCOMES WILL BE PRESENTED IN CHINA in October 2014:

<http://www.bitcongress.com/wco2014/welcomemessage.asp>

Publications

Ryukyu Shimpo Oct. 23, 2013

Japan Update references to “Blue October”

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LEAD-Japan Asia Pacific Initiative: (2010). Dr. Kimio Uno

“Asia-Pacific Environment: Keywords in Japanese, English, and Chinese.”

Acknowledgments

This project was executed by NPO Okinawa O.C.E.A.N. in cooperation with NOWPAP RCU of the United Nations Environment Programme, with financial support from the Asia-Pacific Network for Global Change Research (APN) under its CAPaBLE Programme. The authors thank all participants from China, Japan, Republic of Korea, Russian Federation, Estonia, Hong Kong, Indonesia, the Philippines, Thailand, United Kingdom and United States for their active participation and valuable contribution to the workshop and the beach cleanup. Our thanks also go to the Ministry of Foreign Affairs, Okinawa Prefecture Government and the local governments of Onna Village, Yomitan Village and Miyakojima City. We especially appreciate the Onna Village Chamber of Commerce for providing our participants with Okinawa folk music during the reception of October 24th. Special thanks to the Okinawa Institute of Science and Technology Graduate University (OIST) for providing the magnificent venue and assistance in a successful workshop.

Preface

This project included preparation and organization of a regional workshop and beach cleanup campaign which have strengthened regional cooperation among China, Republic of Korea, Japan and Russia (NOWPAP member states) through involving policy makers, local governments, and NGOs representatives in addressing marine litter (ML) problem. Marine litter is an issue of national, regional and global concern (see e.g., GEF STAP, 2011; GESAMP, 2012; UNEP, 2011) as ML is being drifted around the world affecting biota, transporting toxic substances and invasive species, contributing to micro-plastic pollution, etc.), this project pursued the APN Goal 2 by supporting regional cooperation and strengthening interactions among scientists and policy makers. By involving also four national coordinators for the International Coastal Cleanup (ICC) and local practitioners, the project contributed to the technical capacity building in developing countries relevant to marine litter management and prevention which supports APN Goal 3. This project, through advocating sustainable production and consumption, contributed to reducing ML and thus to sustainable development.

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1.0 Introduction

Background info

As the ML issue extends beyond the national jurisdiction and as there is no global regulatory framework addressing the responsibility of the “source country”, this project was focused on promoting practical regional cooperation among China, Japan, Korea and Russia, based on the existing international framework adopted by four countries under the NOWPAP “Regional Action Plan on Marine Litter” (RAP MALI) in 2008. Within RAP MALI (NOWPAP, 2008), activities at the national and regional level are being carried out in an effort to prevent, monitor and remove marine litter in the coastal areas (NOWPAP, 2011). This project facilitated the implementation of the regional action plan through capacity building of policy makers in ML “source countries” as well as through linking different levels of government to enable enhanced cooperation within a country. The two major project activities, a workshop and beach cleanup, with the focus on sharing best practices of marine litter management, brought participants from the region and beyond, including NOWPAP, PEMSEA and COBSEA member states (list of participants is attached).

Main objectives

The main objectives of the workshop and beach cleanup were: (a) enhance capacity for the effective prevention and management of ML among NOWPAP member states (China, Japan, Korea and Russia), and for the implementation of the NOWPAP RAP MALI; (b) promote education and public awareness of ML impacts on coastal and marine ecosystems in the NOWPAP region; (c) strengthen cooperation among countries in dealing with ML, including data collection and exchange of information; and (d) share best practices for waste management, including policy measures introduced for sustainable production and consumption (e.g., introduction of mandatory recycling, deposits for beverage containers, bans for free plastic bags distribution).

Outcomes

- Enhanced knowledge and skills on ML management of National NOWPAP ML focal points (FPs), NGO and international organizations representatives, ICC national coordinators from developing countries (through sharing best practices and know-how);
- Further strengthened cooperation in the NOWPAP region in dealing with ML, including cooperation between NOWPAP and other international organizations;
- Enhanced awareness towards capacity on cooperation within local ML networks such as the Okinawa Clean Coast Network (OCCN), *I Love Okinawa Campaign*[®], LEAD-Japan Asia/Pacific Initiative for ESD and other international networks;
- Concrete regional effort contributing to the target of significant reduction in ML in coastal and marine environment set in “The Future We Want” (the outcome of Rio+20 Conference) and UN Secretary General “Oceans Compact”;
- Increased awareness of the people in countries involved on the need to reduce amounts of ML.

2.0 Methodology

Simple four-step methodology was applied while implementing this project:

1. Organize 2 day workshop in collaboration with the relevant international organizations, such as OC, PEMSEA and COBSEA, to strengthen regional cooperation by sharing a) best practices for ML prevention and management, including policy measures, available in the region; b) recent progress in countermeasures against ML; and c) ML impacts on the marine and coastal environment in the NOWPAP region, in order to provide scientific basis, open-source field based research results for decision makers (e.g. NOWPAP ML FPs) for developing policies that can help reducing ML in the region through education and outreach.
2. Organize a half day working meeting on NOWPAP RAP MALI implementation attended by representatives from NOWPAP members to update their activities and discuss future plans in their respective countries.
3. Organize a half day International Coastal Cleanup. (ICC) Campaign (beach cleanup) to promote public awareness of ML problems; collect data from the beach cleanup activity and submit OC to be included in its annual global ICC report.
4. Report the recommendations from the workshop to the 18th NOWPAP Intergovernmental Meeting to initiate future activities addressing ML problems in NOWPAP member states.

3.0 Results & Discussion

This project activities focused on organization of a regional workshop and beach cleanup campaign with the participants from NOWPAP member states (China, Japan, Korea and Russia) representing central and local governments, research institutions and NGOs dealing with marine litter (ML) problem. As marine litter is being drifted around the world affecting biota, transporting toxic substances and invasive species, contributing to micro-plastic pollution, etc. and constituting a global concern, participants from the United States of America (Hawaii, Alaska, California and Washington DC) were also invited as well as from Philippines, Hong Kong (China), Thailand, Indonesia and from some international organizations and projects. Four NOWPAP Regional Activity Centers (RACs) based in China, Japan, Korea and Russia and NOWPAP Regional Coordinating Unit (RCU) participated as well.

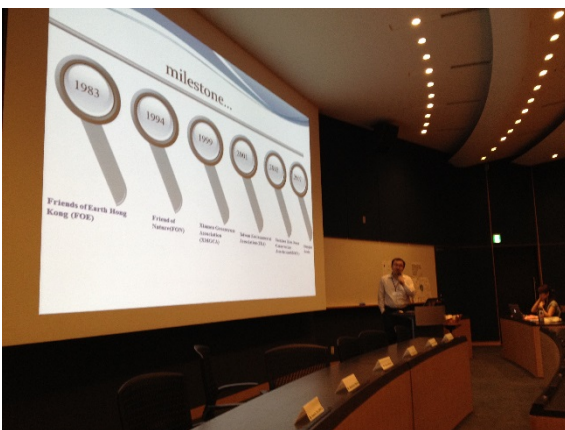
The workshop was held on 24-25 October 2013 in the campus of the Okinawa Institute of Science and Technology (OIST), co-organized by the NPO Okinawa Ocean Culture and Environment Action Network (OCEAN) and NOWPAP RCU. The workshop was organized with four sessions: a) efforts of NGOs to deal with marine litter; b) central and local governments' actions; c) research, monitoring and new technologies related to marine litter; and d) international cooperation related to marine litter problem around the world.



During the first session, six presentations were made about NGO activities in China, Japan, Korea, Russia and California (USA), including NGO network development, public awareness building, and organization of beach litter monitoring and cleanup campaigns in these countries. Recommendations from the NGO Forum held separately on 23 October were also presented, focusing on inter-relations between economy, society, nature and wellbeing. This session is of key importance and is included in the appendix. All presentations are available for downloading here: <http://dinrac.nowpap.org/document-ICC-2013.php>

Panellists after the session reminded participants that marine litter issue should be considered in the context of consumption and production. Among interesting points, the following could be mentioned:

- NGOs are interested to participate in (and contribute to) a new Global Partnership on Marine Litter (GPML) launched during the UN Rio +20 Conferences in 2012.
- According to California experience, Extended Producer Responsibility (EPR) might be the key to reducing the amount of marine litter being generated.





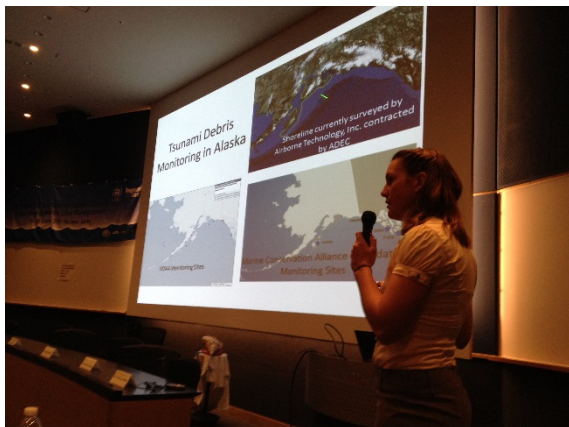
At the second session, government policies, legislation, and management plans were presented, including China’s 12th 5-year plan, Japan’s Basic Policy and Korean National Integrated Management Strategy where marine litter are addressed. The “Marine Litter Green New Deal Fund” (2009-2012) in Japan will be continued under the name of “Marine Litter Fund” with the allocation of 10 billion yen for 2013-2014. Second “Comprehensive Marine Litter Management Plan” in Korea will cover 2014-2018 with involvement of three ministries and one agency. “Polluter pays” principle was suggested as well as life-cycle approach to dealing with fishing gear.



During the third session, participants have learned about “Nets to Energy” project in Hawaii, “International Pellet Watch” project (Global Monitoring of POPs by using plastic resin pellets), marine litter monitoring and reporting through different approaches (from sailing boats to mobile phones), and about new developments of technologies which might help in the future to resolve marine litter-related problems. All participants supported the idea to use re-usable bottles and were strongly against single-use plastic. Panel discussion after the session brought up interesting issues such as the relations between researchers and general public and between better understanding of the problem and precautionary actions.



The fourth session covered international cooperation related to marine litter problem around the world: from Estonia to Alaska and from Indonesia to Hong Kong and to Philippines. Well-known and relatively new international campaigns such as “Trash Free Seas” and “Let’s Do It!” were introduced. Interesting suggestions were made on how to deal with increasing amount of tsunami-generated Styrofoam in Alaska (especially on remote islands) or how to use the results generated from projects implemented by UNEP International Environmental Technology Center (IETC, in Osaka, Japan) in developing countries.



The participants recognized some government regulatory actions (e.g., bans on plastic bags or smoking on beaches, fees for disposable products) are actually working. However, suggestion to bring plastic industry representatives to such workshops and work closely with the industry was recommended: “attack the problem at the source!”

There was a separate half a day meeting in the morning on 26 October on NOWPAP Regional Action Plan on Marine Litter (RAP MALI). Implementation of RAP MALI in 2012-2013 was discussed by the NOWPAP marine litter focal points and representatives of NOWPAP RACs and RCU as well as plan for 2014-2015, including new projects and campaigns. The meeting was informed by Korea that the 2014 NOWPAP ICC will be organized in Korea.



Another separate workshop organized by JAMSTEC in the evening of 25 October was dedicated to the modelling and observations of tsunami-generated debris drifting in the Pacific. NOWPAP workshop participants had the chance to hear the collective work of experts from Japan, USA and United Kingdom in this area.

Prior to the NOWPAP workshop, the First Asia-Pacific Environmental Forum (NGO Forum funded by JFGE) was held on 23 October, where NGOs from Asia and Pacific discussed from their perspectives the actions needed in tackling marine litter. Some participants to the NGO Forum also attended NOWPAP Workshop with their recommendations presented and participated in the ICC campaign.

The ICC beach cleanup was organized in the afternoon on 26 October at two locations. At the first location at Cape Maeda/Jyane Beach, NGO and Okinawa Clean Coast Network (OCCN) volunteers held a small ceremony at the first beach where we started the Okinawa International Clean Beach Club in 1992. The NOWPAP team of about 20 participants from China (including Hong Kong), Japan, Korea, Russia and USA has collected garbage from Kuraha Beach, sorted it out and compiled the data using ICC data cards in English, Chinese and Russian. This beach is a special monitoring point. The data collected have been submitted to Ocean Conservancy by the ICC coordinator for Okinawa.





4.0 Conclusions

With the support and efforts made by all the stakeholders, this project has been completed with all the expected objectives achieved. It can be said that we have kneaded the dough and have put it in the oven. When will it be ready? What is our regional timeline for results?

In 2005 the United Nations launched the UN Decade of Education for Sustainable Development (UNDES 2005 – 2014). According to UNESCO, “Education for Sustainable Development (ESD) is about enabling us to constructively and creatively address present and future global challenges and create more sustainable and resilient societies”(1).

UNESCO states that “sustainable development cannot be achieved by technological solutions, political regulation or financial instrument alone. We need to change the way we think and act. This requires quality education and learning for sustainable development at all levels and in all social contexts”(2).

It is essential that these elements are reflected in the current process of crafting the post-2015 developmental goals.

As the problems of marine litter are strongly associated with the production and consumption as well as the behaviours of people, this one time event of workshop and beach clean-up can only contribute to part of the solution. Continued and joint efforts are needed from all spectrums of society. Society will only change if we make the effort to incorporate sustainability into our education systems. We need to catch them while their young and begin the process by having Education for Sustainable Development (ESD) start in the schools.

This workshop is only the beginning. Without the proper follow-up, we might find ourselves taking one step forward and two steps back. Networks are powered by people. We need to find a way in order to close the gap with what happens in the field-to the lab-to-policy. This is needed in order to accelerate the social processes that will create new policies in order to tackle this ever increasing problem of marine litter.

Within the NOWPAP WS community, marine litter and sustainability are sometimes taken as two separate and un-related issues. We were motivated to have a strong NOWPAP WS participant representation during the Okinawa NGO Asia-Pacific Environmental Forum in order to create a core of expertise with a focus on sustainability.

In this day and age of social media and instant connectivity, we need to take advantage of this speed in communicating by connecting existing networks to help work towards solutions. Marine litter is a problem with its roots in our consumer society. Without changing our “throw away” lifestyles, the problem of marine litter will only increase. Therefore, I would like to conclude that sustainability is connected hand in hand with the problem of marine litter. One hand produces it, the other picks it up. After over 20 years of leading beach cleanups, the trash collected has increased due to the level of awareness and increase of volunteers. Accumulated old trash has been removed yet trash continues to wash up. Most of the participants during the NOWPAP WS are already expert in cleanup activity. More people, more trash. We need to find a way to connect this expertise to what is happening on the ground. We cannot stop at just sharing expertise during a workshop far away. When we are back home, how well we apply those lessons learned to our part of the world is what will really make the difference. NGO’s continue to lead the efforts in collecting trash. We need the UNEP to motivate the governments to implement those NGO led efforts.

How we connect with leaders and organizations of like mind is needed to be focused on in future NOWPAP WS’s. Thanks to NOWPAP we have come together yet vast potential remains untapped. This reminds me when we received a box of NOWPAP calendars for the new year 2013. We distributed them sending regards and best wishes. They were accepted with smiles glad for the sturdy construction. Slowly they made their way back to us. Why? Yes, they were calendars but were “only” that. It did not have any holidays on the calendar making them not worth the desk or wall space at the office. It seems like such a small and simple thing. Looking deeper at this example, I focus on the fact that networks are based on people and human interaction. Especially with a United Nations agency which deals with China, Japan, Korea and Russia...after looking at the news we do need to take advantage of every opportunity we can for connectivity and understanding.

Outcomes from the workshop and beach cleanup could be summarized as follows:

- Enhanced knowledge and skills (i.e. capacity) on ML management of national NOWPAP marine litter focal points, NGO and international organizations’ representatives, ICC national and regional coordinators including coordinators from developing countries (through sharing best practices and know-how).
- Further strengthened cooperation in the NOWPAP region in dealing with ML, including cooperation between NOWPAP and other international organizations (such as Let’s do it!).
- Enhanced cooperation within local ML networks via the Okinawa Clean Coast Network (OCCN), the Iriomote Eco Project, Yaeyama Environmental Network and other island networks in the region. This is also a beginning. The value of this cooperation depends on future collaboration.
- Increased awareness on the need to reduce the impact and amounts of ML (e.g., through advocating sustainable production and consumption) among countries involved, including local authorities and NGOs.

- Education for Sustainable Development needs to be made a priority for all participants of future NOWPAP Workshops.
- A systems approach needs to be taken in order to map out more effectively ocean regions with multiple jurisdictions.
- The Asia-Pacific region is experiencing a wave of territorial conflicts. The NOWPAP offers a unique practical and established investment in diplomacy.
- The Pyramid 2030 presentation generated great interest with suggestions that it be incorporated into the 2014 NOWPAP Workshop.
- The scientific community needs to be encouraged to increase research on marine litter, especially micro-plastics and endocrines disrupters.
-

5.0 Future Directions

The next NOWPAP ICC campaign and workshop will be held in Korea in September 2014. Supported by the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA), NOWPAP will co-host (with Northwest Pacific Regional Environment Cooperation Center, NPEC), the regional node of the Global Partnership on Marine Litter (GPML).

“The Northwest Pacific Action Plan (NOWPAP) was adopted in 1994 as a part of the UNEP Regional Seas Programme. The People’s Republic of China, Japan, the Republic of Korea and the Russian Federation are members of NOWPAP. The NOWPAP Regional Coordinating Unit (RCU) has a mandate to be the “nerve center” for sustainable development in the North Pacific Region.” (NOWPAP IGM Minutes) The 2013 NOWPAP Workshop on Marine Litter was hosted with the spirit of the above statement in mind. This mandate for sustainable development was made at the inception of the RCU.

Through the NGO/NOWPAP WS, we realized that NGO’s are on the cutting edge of initiatives for sustainability providing one half of the action needed. The other half is provided by government and international agencies which do not always have the motivation nor focused local expertise to connect the local to the global. They do have the capabilities to hone in on a higher level that can develop into new policies. On February 27th 2013, I was invited to a hearing sponsored by the Ministry of Foreign Affairs (MOFA) at the Japan International Cooperation Agency’s (JICA) Okinawa International Center (OIC). It was discussed how Official Development Assistance (ODA) can be used with advise and help from NGO’s to upgrade the sustainability level of recipient countries such a China in order to upgrade waste disposal facilities. The Let’s Do It cleanup NGO has applications that can be implemented at very low cost that help map these facilities and potential sources of litter. More support is needed to implement these initiatives. The NOWPAP WS participants after the NGO forum, saw the need for a renewed commitment to ESD which was reflected in the recommendations to the inter-governmental NOWPAP Workshop. Marine Litter as a key indicator of non-sustainable practices was reiterated upon. A new commitment was established with the NGO/NOWPAP WS becoming an important baseline in the next stage towards using sustainability and nature system models for “sustainability”.

Sustainability plus systems in nature= sustainability.

Education: It was identified that more local government efforts need to be applied in making ESD a priority. Local initiatives are on paper at high levels but do not have the same impact at the school level. NGOs can fill that gap. With this in mind, NPO Okinawa O.C.E.A.N. will shift its focus to Education specifically ESD with the Pyramid 2030 as a guideline. In the hearing with MOFA it was reiterated that MOFA, Ministry of Education, Culture, Sports, Science and Technology (MEXT) and the Ministry of Environment (MOE) need to work more closely with NGO’s in implementing ESD for the next stage after 2015. The United Nations Decade on ESD is a Japan Government initiative proposed at the 2002 Johannessburg World Summit on Sustainable Development (WSSD) also known as the 2002 Earth Summit and approved from 2005 to 2014.

This is the new starting line. The Asia-Pacific region can benefit from including Okinawa in the NOWPAP Region.

The Northwest Pacific Action Plan (NOWPAP) was adopted in 1994 as a part of the UNEP Regional Seas Programme. The NOWPAP Regional Coordinating Unit (RCU) has a mandate to be the “nerve center” for sustainable development in the North Pacific Region. With lessons learned from the 2013 “Blue October” (Okinawa NGO Asia-Pacific Environmental Forum & NOWPAP WS) which was attended by key NOWPAP partners, scientific experts and NGO leaders, it is recommended that the following directions be included in the navigation charts for the next 2014 NOWPAP ICC Campaign and Workshop. This would also include a proposal to include Okinawa in the NOWPAP Region:

“Okinawa Asia-Pacific ESD HUB Initiative” towards a Sustainable 22nd Century”

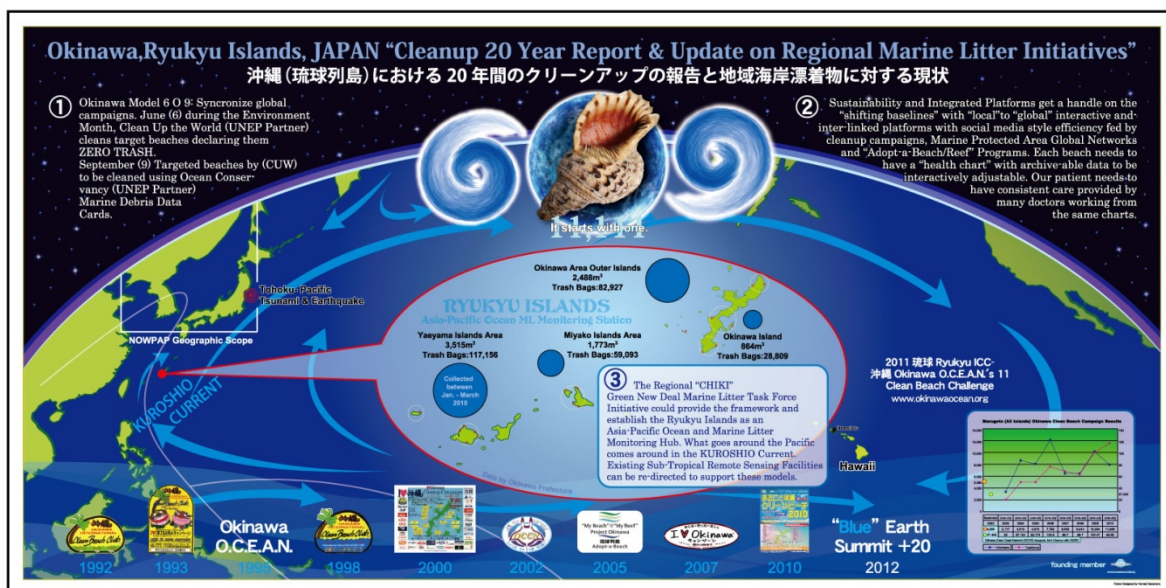
1. A Pyramid 2030 Workshop could be included for Government / NGO participants
2. Implement the Okinawa “6-0-9” Model: June – ZERO – September while declaring the 22nd of every month “Blue Earth Day” and a month closer towards a sustainable 22nd Century

Synchronize global campaigns from June to July and September to November. Starting during the month for the environment (June 8th World Oceans Day) a) Clean Up the World based in Australia b) Let’s do it Cleanup based in Estonia and c) Ocean Conservancy based in the USA. Use on-line tools to map the sources of trash, social science and recycling systems.

Cleanup sites targeted in June are declared “ZERO TRASH” with a focus on coastal areas.

Cleanup “ZERO TRASH” declared sites in September-November using Marine Litter Data Cards originally produced by the Ocean Conservancy which are now the UNEP standard.

3. Inter-weave the cleanup campaigns with Dr. Sylvia Earle’s initiative to create a network of interconnected Marine Protected Areas (MPA) starting locally with connected Adopt-a-Beach Programs and Education for Sustainable Development (ESD).



See appendices V for Figure 1 and 2.

Theoretically, the NOWPAP sea area might be expanded to cover the sea areas to the east and north (Figure 1). Similar expansion to the west and south might cover Bohai Bay, China, and Okinawa Island, Japan (Figure 2), allowing to address priority marine and coastal environmental issues in the broader sea area.

沖縄県議会議員議長 喜納昌治 殿

Okinawa Prefecture Assembly Speaker

NPO 法人沖縄 O.C.E.A.N. (NPO Okinawa O.C.E.A.N.)

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“Okinawa Asia-Pacific ESD HUB Initiative” towards a Sustainable 22nd Century に関する陳情

Propose that that Okinawa Prefecture Assembly pass a resolution allowing the actions listed below in order for Okinawa to foster positive diplomacy and regional cooperation by becoming the Asia-Pacific Hub towards a sustainable 22nd Century.

In 2005 the United Nations launched the UN Decade of Education for Sustainable Development (UNDESD 2005 – 2014). According to UNESCO, “Education for Sustainable Development (ESD) is about enabling us to constructively and creatively address present and future global challenges and create more sustainable and resilient societies”(1). UNESCO states that “sustainable development cannot be achieved by technological solutions, political regulation or financial instrument alone. We need to change the way we think and act. This requires quality education and learning for sustainable development at all levels and in all social contexts”(2). It is essential that these elements are reflected in the current process of crafting the post-2015 developmental goals.

The Earth Charter Initiative with its four pillars is the center piece of the ESD as described in the Earth Charter’s preamble: “...to bring forth a sustainable global society founded on respect for nature, universal human rights, economic justice and a culture of peace.”

Okinawa Prefecture with the “Everlasting Waves of Peace” memorial and its location in center of the Kuroshio Current, makes it an important location for Peace Studies, ocean research, preservation and geographically centralized for measures against Marine Litter, oil spill response. Waste management, oceans health and Conflict Resolution are key points of sustainability.

The Northwest Pacific Action Plan (NOWPAP) was adopted in 1994 as a part of the UNEP Regional Seas Programme. The People’s Republic of China, Japan, the Republic of Korea and the Russian Federation are members of NOWPAP. The NOWPAP Regional Coordinating Unit (RCU) has a mandate to be the “nerve center” for sustainable development in the North Pacific Region. The 2013 NOWPAP Workshop on Marine Litter was held in Okinawa, Onna Village at the Okinawa Institute of Science and Technology Graduate University.

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1. Request the Ministry of Environment at the next NOWPAP Intergovernmental Special Meeting to propose for Okinawa Pref. be included in the NOWPAP Geographical scope.
2. For Okinawa Prefecture Assembly to endorse the Earth Charter.
3. For Okinawa Prefecture Assembly encourage Okinawa Pref. to join the UNESCO Schools network for the 2014 – 2015 school year.

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GEF STAP (2011). Marine debris: defining a global environmental challenge.

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LEAD-Japan Asia Pacific Initiative: (2010). Dr. Kimio Uno

“Asia-Pacific Environment: Keywords in Japanese, English, and Chinese.”

Appendices:

- I. NOWPAP WS and ICC campaign programme
- II. Participants list (comprising contact details of each participant, including organization, address, phone number, fax number, and email address)
- III. Funding sources outside the APN
- IV. Glossary of terms
- V. APN NOWPAP WS poster
- VI. Theoretical expansion of NOWPAP geographic scope Figure 1 and 2 from pg13
- VII. List of downloadable NOWPAP WS presentations from NOWPAP CEARAC
- VIII. Okinawa Asia-Pacific NGO Forum Recommendations – Robert Steele
- IX. NOWPAP CEARAC Best practices booklet excerpt
- X. Our Blue Planet Poster – UN Classic Live Musical Okinawa 2014
- XI. Okinawa 20 year report poster
- XII. Back cover, group picture of NOWPAP WS participants
“My Island:My Earth” Charter, written in Japanese on the screen behind

2013 NOWPAP International Coastal Cleanup and Workshop on Marine Litter Management in Okinawa, Japan

Goals

- To build capacity for effective management of marine litter in the NOWPAP region
- To promote the International Coastal Cleanup campaigns in the region and to share relevant experience of NOWPAP member states and partners
- To strengthen cooperation in dealing with marine litter, including central and local governments, civil society and NGOs in the NOWPAP region and neighbouring countries
- To increase public awareness of marine litter issues
- To promote the implementation of NOWPAP Regional Action Plan on Marine Litter (RAP MALI)

Organizers

NPO Okinawa Ocean Culture & Environment Action Network (O.C.E.A.N.) and
NOWPAP Regional Coordinating Unit (RCU)

Schedule

24 October 2013 (Thursday)

09:00 – 17:45 Workshop on marine litter management

18:30 – 20:30 Reception (OIST Graduate University restaurant area level B)

25 October 2013 (Friday)

09:00 – 17:30 Workshop on marine litter management (continued)

26 October 2013 (Saturday)

09:00 – 11:30 RAP MALI Working Meeting (open only to NOWPAP Marine Litter Focal Points (ML FPs), Regional Activity Centres (RACs) and RCU)

12:30 – 17:00 Beach clean-up at Kuraha/Oji's (Jyane Beach), Cape Maeda, Onna Village

Workshop Program
(English-Japanese simultaneous translation)

24 October 2013 (Thursday)

08:30 – 09:00	Registration
09:00 – 09:30	Opening Ceremony (Master of ceremony: Mr. Eduardo Heinrich-Sanchez, NPO Okinawa O.C.E.A.N.) <ul style="list-style-type: none">• Mr. Hirotsugu IKEDA, Ministry of Foreign Affairs (MOFA) of Japan• Mr. Hidefumi TOUMA, Director General, Department of Environment and Community Affairs, Okinawa Prefectural Government• Dr. Jonathan DORFAN, President, Okinawa Institute of Science and Technology (OIST) (represented by Mr. Neal Calder VP of Communications and Public Relations).• Hon. Wakako HIRONAKA, former Minister of Environment of Japan• Dr. Alexander TKALIN, NOWPAP Coordinator
09:30 - 09:45	Coffee break and Photo session
Session 1	NGOs efforts to deal with marine litter (Co-chaired by Ms. Sonya BESTEIRO, Ocean Conservancy and Ms. Mayumi TAKEDA, CEO World Oceans Day, Japan)
9:45 – 10:15	Dr. Hao CHEN, Chinese Research Academy of Environmental Sciences (CRAES), China: <i>China's NGOs activities related to marine litter issues</i>
10:15 – 10:45	Mr. Eben SCHWARTZ, California Coastal Commission, USA: <i>Marine Debris in California</i>
10:45 – 11:15	Mr. Robert STEELE, Sustainability, Thailand: <i>Okinawa Asia-Pacific NGO Forum Recommendations</i>
11:15 – 11:45	Dr. Takafumi YOSHIDA, Northwest Pacific Environment Cooperation Center (NPEC): <i>Marine litter monitoring activities in the NOWPAP region</i>
11:45 – 12:15	Mr. Jong-Myeong LEE, Our Sea of East Asia Network (OSEAN), Korea: <i>Addressing Styrofoam buoy marine litter pollution with stakeholders participation</i>
12:15 – 13:30	Lunch break
13:30 – 14:00	Dr. Yana BLINOVSKAYA, Maritime State University, Russia: <i>NGO activities to deal with marine litter in the Russian Far East</i>

- 14:00 – 15:00** **Panel Discussion** (moderated by session co-chairs):
- Mr. Robert STEELE, Sustainability Asia, Thailand
 - Rev. Kalani M. Souza, Olohana Foundation Inc., Hawaii, USA
 - Mr. Loretta Brown, Center for Alaskan Coastal Studies, USA
 - Ms. Natasha SALAMACK, Maui Island Volunteers, Hawaii, USA
 - Ms. Lisa CHRISTENSEN, Hong Kong ICC Coordinator
- 15:00 – 15:15** **Coffee break**
- Session 2** **Central and local government actions addressing marine litter**
(Co-chaired by Ms. Sawako TADA, Ministry of the Environment of Japan and Mr. Toshimitsu MAEDA, Yomitan Village Health & Environment Section, Okinawa, Japan)
- 15:15 - 15:45 Mr. Qingjia MENG, Ministry of Environmental Protection (MEP), China:
Marine litter management in China
- 15:45 - 16:15 Mr. Junichiro NOGUCHI, Ministry of the Environment (MOE), Japan and
Mr. Eisaburo HIGA, Okinawa Prefectural Government, Japan:
Marine litter management by central and local government actions in Japan
- 16:15 - 16:45 Mr. Chae-Kyun KIM, Ministry of Oceans and Fisheries (MOF), Korea:
Marine litter management in Korea
- 16:45 – 17:45** **Panel Discussion** (moderated by session co-chairs):
- Mr. Jacob MEIMBAN,
Department of Environment and Natural Resources, Philippines
 - Mr. Eben SCHWARTZ, California Coastal Commission, USA
 - Mr. Yasuharu NAGAHAMA, Onna Village Commerce,
Industry & Tourism Division, Okinawa, Japan
 - Ms. Azusa MATSUURA, Okinawa Clean Coast Network (OCCN)
- 18:30 – 20:30** **Reception**
**OIST Restaurant Level B. Dinner Buffet catered by Restaurant Orange,
Kafuu Hotel.**
- Okinawa traditional folk music by the NPO Onna Week, Fureai Center provided
by the Onna Village Chamber of Commerce.**

25 October (Friday)

Session 3	Research activities relevant to reducing input of marine litter, modeling marine litter transport, impacts of marine litter, new technologies to deal with marine litter (Co -chaired by Mr. Toshimitsu MAEDA, Yomitan Village Health & Environment Section, and Dr. Kimio UNO, Keio University, Japan)
9:00 – 9:30	Dr. Hideshige TAKADA, Laboratory of Organic Geochemistry, Tokyo University of Agriculture and Technology, Japan: <i>“International Pellet Watch” - transfer of hazardous chemicals from marine plastics to ecosystem</i>
9:30 – 10:00	Mr. Sung-Hoon KANG, Marine Litter Center of Korea Marine Environment Management Corporation (KOEM), Korea: <i>Research on marine litter monitoring in Korea</i>
10:00 – 10:30	Dr. Sergey MONINETS, Sea Protection and Shelf Development Institute, Russia: <i>Marine litter monitoring in coastal areas using sailing boat (Vladivostok – Amur river estuary)</i>
10:30 – 10:45	Coffee break
10:45 – 11:15	Dr. Andrea NEAL, Blue Ocean Sciences, USA: <i>New technology for monitoring marine litter</i>
11:15 – 11:45	Ms. Chris WOOLAWAY, Hawaii ICC Coordinator, USA: <i>“Nets to Energy” project</i>
11:45 – 12:45	Panel Discussion (moderated by session co-chairs): <ul style="list-style-type: none">• Dr. Hideshige TAKADA, Laboratory of Organic Geochemistry, Tokyo University of Agriculture and Technology, Japan• Dr. Satoshi MITARAI, Marine Biophysics Unit, Okinawa Institute of Science and Technology (OIST)• Mr. Fujio KOJIMA, CEO Pirika.org
12:45 – 13:45	Lunch break
Session 4	International cooperation in addressing marine litter (Co-Chaired by Hon. Wakako HIRONAKA and Mr. Xiaodong ZHONG, NOWPAP)
13:45 – 14:15	Ms. Loretta BROWN, Center for Alaskan Coastal Studies, USA: <i>International Coastal Cleanup efforts in Alaska</i>

- 14:15 – 14:45 Ms. Sonya BESTEIRO, Ocean Conservancy:
International Coastal Cleanup (ICC) movement around the world and across-Pacific collaboration among NGOs
- 14:45 – 15:15 Dr. Surya CHANDAK, International Environmental Technology Centre (IETC) of UNEP:
Integrated solid waste management for coastal cities to address land based sources of marine litter
- 15:15 – 15:30 Coffee Break**
- 15:30 – 16:00 Ms. Chloe HUNT, Reef World Foundation:
Green Fins - A management approach for environmentally responsible diving and snorkeling practices
- 16:00 – 16:30 Ms. Lisa CHRISTENSEN, Hong Kong ICC Coordinator:
International cooperation on marine litter in Hong Kong
- 16:30 – 17:30 **Panel Discussion** (moderated by session co-chairs):
- Ms. Belyn RAFAEL, PEMSEA Resource Facility
 - Mr. Stefan RAFAEL, ICC Coordinator, Indonesia
 - Dr. Pille PIRN, Asia Coordinator, “Let’s Do It!” World Cleanup 2013, Estonia
 - Ms. Harumi TOKUOKA, Managing Director, Iriomote Island Eco-tourism

26 October (Saturday)

- 09:00 – 11:30 **RAP MALI Working Meeting**
(Participants: NOWPAP ML FPs, RAC Directors/representatives, and NOWPAP RCU)
- 11:30 - 12:30 **Lunch break**
- Beach cleanup**
- 13:00 – 15:00 **Beach Cleanup at Kuraha/Oji’s Beach (Jyane) Cape Maeda, Onna Village**

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Funding sources outside the APN

NOWPAP RCU supported the travel cost of 20 international participants in the region and beyond. MOFA NOWPAP RCU also distributed promotional caps to all participants of the beach clean-up.

Reference: GNB-13005

Date: 20 May 2013

To: Mr. Edo Heinrich-Sanchez, Chairman

NPO Okinawa Ocean Culture and Environment Action Network

Subject: Confirmation of co-funding and in-kind contribution

Project Reference: CBA2013-15NSY-Heinrich-Sanchez

Project Title: Building Capacity on Marine Litter Management in the NOWPAP Region

Dear Mr. Heinrich-Sanchez

We are delighted to hear that a decision was made by the APN for granting funding to NPO Okinawa Ocean Culture and Environment Action Network (O.C.E.A.N.) under the CAPaBLE Programme for the project on Building Capacity on Marine Litter Management in the NOWPAP Region (CBA2013-15NSY-Heinrich-Sanchez).

As promised earlier, NOWPAP RCU hereby guarantee our co-funding and in-kind contribution arrangement with NPO Okinawa O.C.E.A.N. in implementing the above mentioned project.

Co-funding

-Travel for international participants (about 20)

-Travel for RCU staff members (from Toyama and Busan)

-Caps and towels to be distributed to all beach cleanup participants

In-kind contribution

-Assist in coordination/communication with representatives from NOWPAP member states and international organizations including identification of participants and presenters;

-Overall coordination with NPO Okinawa O.C.E.A.N. for logistics including travel and visa arrangements for participants, workshop and ICC venue.

We look forward to working with you for a successful workshop and beach cleanup in Onna Village, Okinawa in October.

Sincerely yours,

Alexander Tkalin

NOWPAP Coordinator

Glossary of Terms

<i>COBSEA</i>	<i>Coordinating Body on the Seas of East Asia</i>
<i>GPML</i>	<i>Global Partnership on Marine Litter</i>
<i>ICC</i>	<i>International Coastal Cleanup</i>
<i>ML</i>	<i>Marine Litter</i>
<i>NOWPAP</i>	<i>Northwest Pacific Action Plan</i>
<i>NOWPAP RCU</i>	<i>Northwest Pacific Action Plan, Regional Coordinating Unit</i>
<i>OC</i>	<i>Ocean Conservancy</i>
<i>Okinawa O.C.E.A.N.</i>	<i>NPO Okinawa Ocean Culture & Environment Action Network</i>
<i>OIST</i>	<i>Okinawa Institute of Science and Technology Graduate University</i>
<i>PEMSEA</i>	<i>Partnerships in Environmental Management for the Seas of East Asia</i>
<i>RAP MALI</i>	<i>Regional Action Plan on Marine Litter of NOWPAP</i>
<i>LEAD-Japan</i>	<i>Leaders in Environment and Development</i>
<i>ESD</i>	<i>Education for Sustainable Development</i>