



Member's report on activities related to ICRI

Reporting period October 2013 – September 2014

1. Updates on your activities.

Project 1

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| Cornerstone(s) implemented through the project | Check all that apply: <input checked="" type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input type="checkbox"/> Science & Monitoring <input checked="" type="checkbox"/> Periodic Assessment (Review) |
| Project Title | Mangrove Ecosystem Services Valuation: State of the Literature |
| Location | Nicholas Institute for Environmental Policy Solutions, Duke University, Durham, North Carolina |
| Dates | July 2014 |
| Main Organizer(s) | Linwood Pendleton, Megan Jungwiwattanaporn, and Tibor Veigh |
| Main Stakeholder(s) | decision makers within international, regional and local governments that are home to the world's mangroves |
| Description of Project (Please elaborate on how the project implements the FFA cornerstones) | This study identifies where new mangrove valuation studies are necessary in the world, using 72 mangrove valuation studies from the MESP database. This analysis reports the studies' methodology, valued ecosystem services, assessed region, and inclusion of valuation estimates. |
| Outcome (Expected outcome) | Hopefully, in certain areas of the world, specifically eastern Africa, the Caribbean and South America, more mangrove valuation studies will be performed, giving attention to a wide diversity of types of mangrove ecosystem services. Focus of valuations has shifted from fisheries and forestry services to other services, notably, carbon sequestration. |
| Lessons learned | Additional research is needed if mangroves are to be managed in a way to fully recognize their economic contribution to the world. To date, mangrove valuations have primarily focused on Asia; they are underrepresented for Africa, the Americas and the Pacific. Without a better global distribution of mangrove valuation studies, estimates of the natural capital value of mangrove stocks cannot be estimated accurately and precisely for many places. Some services, including biodiversity, still need consideration within mangrove valuation studies. |
| Related websites (English preferred) | http://nicholasinstitute.duke.edu/environment/publications/mangrove-ecosystem-services-valuation-state-literature# . http://mesp2.env.duke.edu |

Project 2

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| Cornerstone(s) implemented through the project | Check all that apply: <input checked="" type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input checked="" type="checkbox"/> Periodic Assessment (Review) |
| Project Title | Adding valuation studies and related papers to Marine Ecosystem Services Partnership website |
| Location | Marine Ecosystem Services Partnership, Nicholas Institute for Environmental Policy Solutions, Duke University, Durham, North Carolina |
| Dates | October 2013 - May 2014 |
| Main Organizer(s) | Linwood Pendleton and Megan Jungwiwattanaporn |
| Main Stakeholder(s) | scientists, policy makers, ecosystem managers, government decision-makers |
| Description of Project (Please elaborate on how the project implements the FFA cornerstones) | During the last year, the MESP continued to collect, classify and upload studies on marine ecosystem services. The MESP currently maintains the largest library of marine and coastal ecosystem service valuation studies (over 800 studies with over 2000 values). The MESP's mapper eases access to ecosystem valuations by providing a centralized and submission-enabled data repository that is spatially explicit. This library is 'capacity building' as it strengthens collaboration, partnerships, outreach and information sharing. |
| Outcome (including expected outcome) | The MESP has improved the estimation, dissemination, and use by decision makers of social and natural science data about marine ecosystem services. The MESP has eased access to ecosystem valuations by creating a centralized and submission-enabled data repository and utilizing web-based tools to better target areas where new research is needed. |
| Lessons learned | The valuation mapper has proven very useful with users visiting the website from all over the world. |
| Related websites (English preferred) | http://mesp2.env.duke.edu/explore |

Project 3

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| Cornerstone(s) implemented through the project | Check all that apply: <input checked="" type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input type="checkbox"/> Science & Monitoring <input checked="" type="checkbox"/> Periodic Assessment (Review) |
| Project Title | Developing the Marine Ecosystem Services Partnership newsletter |
| Location | MESP, Duke University, Durham, North Carolina |
| Dates | June 2014 - present |
| Main Organizer(s) | Linwood Pendleton and Anne Kaup |
| Main Stakeholder(s) | professionals, researchers, economists and decision makers in the marine/coastal valuation community |
| Description of Project (Please elaborate on how the project implements the FFA cornerstones) | We currently are redesigning and enhancing the newsletter to provide a clear overview of the latest analysis, controversy and research pertaining to marine ecosystem services. The monthly newsletter will serve as a headspring for those working to incorporate people's uses of ocean resources into the policy making and management of marine and coastal ecosystems, building capacity within the field. |

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| Outcome (Expected outcome) | We aim to continue to improve communication and collaboration amongst the 500 subscribers of the MESP listserv and to expand this association of professionals, researchers, and economists in the marine/coastal valuation community. |
| Lessons learned | There are many articles and research papers regarding marine ecosystem services and it would be useful to the stakeholders to aggregate these sources and provide overview. Linwood Pendleton will provide, within the newsletter, a contextual explanation or critical view of the latest happenings within the field. |
| Related websites (English preferred) | http://mesp2.env.duke.edu/news |

Project 4

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| Cornerstone(s) implemented through the project | Check all that apply: <input checked="" type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input checked="" type="checkbox"/> Periodic Assessment (Review) |
| Project Title | Pacific Island Guide |
| Location | MESP, Nicholas Institute for Environmental Policy Solutions, Duke University, Durham, North Carolina |
| Dates | June 2014 |
| Main Organizer(s) | Linwood Pendleton, Megan Jungwiwattanaporn, Jacob Salcone |
| Main Stakeholder(s) | resource managers, decision makers in governments, industry throughout the Pacific |
| Description of Project (Please elaborate on how the project implements the FFA cornerstones) | This booklet highlights the various ways marine ecosystems not only help but drive important sectors of PICT economies. Such values can be used to inform resource use decision makers in terms of cost-benefit analyses, impact assessments, or as stand-alone data. |
| Outcome (Expected outcome) | The MESP hopes to make this data more easily accessible for use by marine ecosystem stakeholders around the world. |
| Lessons learned | A wealth of information is being developed on marine ecosystem services and should be aggregated and made available. |
| Related websites (English preferred) | http://mesp2.env.duke.edu |

Project 5

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| Cornerstone(s) implemented through the project | Check all that apply: <input checked="" type="checkbox"/> Integrated Management <input checked="" type="checkbox"/> Capacity Building <input checked="" type="checkbox"/> Science & Monitoring <input checked="" type="checkbox"/> Periodic Assessment (Review) |
| Project Title | The MESP series of webinars highlights important issues in marine and coastal ecosystem services including where to find and how to use valuation data. |
| Location | MESP, Nicholas Institute for Environmental Policy Solutions, Duke University, Durham, North Carolina |
| Dates | June 2014 |
| Main Organizer(s) | Linwood Pendleton |

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| Main Stakeholder(s) | resource managers, decision makers in governments, scientists, local communities |
| Description of Project (Please elaborate on how the project implements the FFA cornerstones) | <p>Webinars included:</p> <ol style="list-style-type: none"> 1. Demonstration of Marine Valuation Databases 2. Webinar Demonstration of Marine Valuation Databases - NOEP, GecoServ 3. Ecosystem Services Harmonization in Theory and Practice with EBM Tools 4. Valuing Carbon Sequestration Benefits in Terrestrial and Marine Ecosystems 5. NOAA’s Data on the Ocean Economy 6. WRI on Ecosystem Valuation to Inform Decision Making in the Caribbean 7. Impact evaluation of conservation programs with MESP and CSF |
| Outcome (Expected outcome) | The MESP hopes to make this material more easily accessible for use by marine stakeholders around the world. |
| Lessons learned | A wealth of information is being developed on marine ecosystem services around the world and there is a need for collaboration amongst stakeholders. |
| Related websites (English preferred) | http://marineecosystemservices.org/node/12519 |

2. Contribution to the ICRI Plan of Action and GM.

a. Engaging other sectors

[Insert text here]

b. Reef zoning for multiple use

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| Location where a zoning plan has been implemented | |
| Year when the zoning plan was implemented | |
| Is the zoning plan accepted by the local community? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the zoning plan cause conflicts among stakeholders? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the zoning plan resolve conflicts among stakeholders? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Has there been effective enforcement for stakeholders to follow the zoning plan? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Overall, how would you rate the success of the zoning plan? | <input type="checkbox"/> Very successful <input type="checkbox"/> Somewhat successful <input type="checkbox"/> Not so successful <input type="checkbox"/> Unsuccessful |

[Insert text here]

3. Publications.

| Title (incl. author and date) | Website URL if available | Type of publication (Paper, report, etc.) |
|---|---|--|
| Veigh, et al, Mangrove Ecosystem Services Valuation: State of the Literature. NI WP 14-06. Durham, NC: Duke University. (July 2014) | http://nicholasinstitute.duke.edu/environment/publications/mangrove-ecosystem-services-valuation-state-literature# | Report |
| Economic Values for Pacific Island Ecosystems: A Compilation of Values from the Marine Ecosystem Services Partnership (MESP), Jungwiwattanaporn, M., Pendleton, L., and Jacob Salcone Nicholas Institute, Duke University (June 2014) | | Handbook |

4. General Information.

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| Member type (Country / Organization): | |
| Focal Point 1: | |
| <i>Name:</i> | Anne Kaup |
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| Focal Point 2: | |
| <i>Name:</i> | Linwood Pendleton |
| <i>Title/Organization:</i> | Director, MESP |
| <i>Email:</i> | linwood.pendleton@duke.edu |