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Congress of the United States House of Representatives

NATURAL RESOURCES COMMITTEE
CHAIRWOMAN, SUBCOMMITTEE ON INSULAR AFFAIRS,
OCEANS AND WILDLIFE
SUBCOMMITTEE ON NATIONAL PARKS,
FORESTS AND PUBLIC LANDS

ARMED SERVICES COMMITTEE
SUBCOMMITTEE ON READINESS
SUBCOMMITTEE ON MILITARY PERSONNEL

September 10, 2010

Christopher Ostrander
Director
Pacific Islands Ocean Observing System
University of Hawaii at Manoa
Post Building, Room 105b
Honolulu, Hawaii 96822

Dear Mr. Ostrander,

I write to support the work of the Pacific Islands Ocean Observing System (PacIOOS) and their proposal to continue their work in the Pacific Region. This program which is one of eleven regional observing programs established around the country provides a vital resource of marine environmental information utilized by the U.S. Department of Defense, U.S. Coast Guard, local government agencies, educational institutions, community organizations, and citizens. As a program activity funded by the National Oceanic and Atmospheric Administration (NOAA), PacIOOS allows for the timely sharing and coordination of important ocean information across a large region of the Pacific, spanning six time zones.

As the Chairwoman of the Subcommittee on Insular Affairs, Oceans and Wildlife and the elected Congressional representative from Guam, I acknowledge and appreciate the resources and support that the PacIOOS provides for the Pacific Region. The ocean data collected and shared by PacIOOS with other regional partners and entities provides a scientific and fact-based context to make informed navigational, logistical, emergency response and policy decisions. The work and data provided by PacIOOS also helps to better inform policy makers, scientists, educators and other stakeholders on the importance of environmental stewardship. This data is vital to the economic success of the Pacific jurisdictions, as the region relies heavily on ocean resources for tourism, fisheries and recreation.

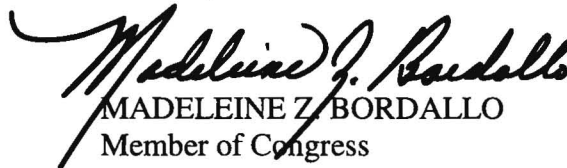
I continue to work to ensure that federal resources support institutions that work to study and preserve our oceans and coastal environment. Earlier in the 111th Congress, I sponsored H.R. 365, the "Ocean and Coastal Mapping Integration Act." This legislation authorized a long-term framework for new investments to existing entities that engage in ocean observing technologies. H.R. 365 was included in the Omnibus Public Land Management Act of 2009 and signed into law by President Obama on March 30, 2009.

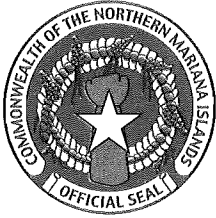
The fragile ecosystems of Pacific Islands make this region particularly sensitive to the threat of global climate change which is intrinsically linked to the ocean environment. For this

Christopher Ostrander
Director
Pacific Islands Ocean Observing System
September 10, 2010
Page Two of Two

reason the work of PacIOOS is essential. As our region continues to develop environmental and ocean policy, the work of PacIOOS will play a central role in informing decision-makers, scientists, resource managers, shippers and others throughout the process. I recommend a favorable consideration of their application for continued funding. Thank you for your attention to this request.

Sincerely,


MADELEINE Z. BORDALLO
Member of Congress



COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

Benigno R. Fitial

Governor

Eloy S. Inos

Lt. Governor

SEP 09 2010

Mr. Chris E. Ostrander, Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Dear Director Ostrander:

On behalf of the people of the Commonwealth of the Northern Mariana Islands, this is to express my support of the proposal of the Pacific Islands Ocean Observing System (PacIOOS), empowered under the NOAA Integrated Ocean Observing System (IOOS) research initiative, to enhance and expand the research presence of PacIOOS in the Northern Mariana Archipelago and the surrounding Pacific islands community. We welcome PacIOOS efforts to optimize the benefits inherent in complex ocean processes and mitigate the risks associated with myriad interactive ocean variables.

As an island people, we know intuitively that oceans are the fundamental life support system for the planet; that ocean systems are central to the quality of both ocean and terrestrial life; and, that the systems of the ocean change rapidly and heretofore unpredictably. To really "know" the ocean it must be studied pragmatically. PacIOOS does this, and thereby increases our capacity to interact more intelligently with the ocean.

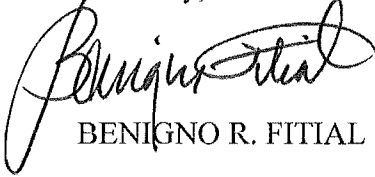
I have been told that as one of the most recent and boldest scientific approaches to ocean study, discovery and understanding, PacIOOS uses interactive telepresence to gather real-time data that are revolutionizing the perceptions and management of climate change, ocean acidification, coastal upwelling, seismic activity, dissolved oxygen, and bathymetric forcing, strengthening our efforts to promote a safe, healthy, productive ocean and a sustainable and resilient coastal zone. PacIOOS proposes to expand that real-time capability by deploying robotic techniques and employing new technologies of digital imaging, ecogenomics, and grid/cloud computing.

In my opinion, the new mind set of discovery launched by PacIOOS will enhance conservation of protected species, unique habitats, and biological diversity. It posits making available a potential wealth of information about what might be termed the earth's next and newest rain forest in terms of seeing in a new way the vast reservoirs of

ocean activity, including the biomass of microbes living deep below the sea floor, a possibility which we have only just discovered and have heretofore had no way to study.

My support of the commitment and mission of PacIOOS was signified earlier this year when I appointed my Senior Policy Advisor to represent me and the people of the CNMI on the PacIOOS Governing Council. I wholeheartedly support the vision of the NOAA IOOS and strongly recommend favorable consideration of the PacIOOS proposal for continued and sustained funding.

Sincerely,



BENIGNO R. FITIAL

DANIEL K. INOUE
HAWAII

COMMITTEE ON APPROPRIATIONS,
CHAIRMAN
SUBCOMMITTEE ON DEFENSE,
CHAIRMAN

COMMITTEE ON COMMERCE,
SCIENCE, AND TRANSPORTATION

COMMITTEE ON INDIAN AFFAIRS

DEMOCRATIC STEERING AND COORDINATION
COMMITTEE

COMMITTEE ON RULES AND ADMINISTRATION

United States Senate

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September 21, 2010

Mr. Christopher Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
University of Hawaii at Manoa
Post Building, Room 105b
Honolulu, HI 96822

Dear Mr. Ostrander:

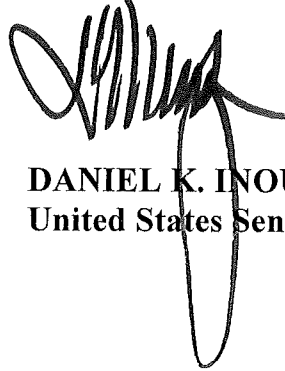
I am pleased to provide you with this letter of support for the continued work of the Pacific Islands Ocean Observing System (PacIOOS). As the Pacific Islands regional partner of the eleven-region U.S. Integrated Ocean Observing System (IOOS), PacIOOS focuses on the development and operation of observing systems for coastal ocean forecasting; coastal hazards and resiliency; water quality sensing; and marine ecosystem information and monitoring. The environmental data and information that PacIOOS collects will continue to serve as a critical resource for the Coast Guard, Army Corps of Engineers, Navy, Environmental Protection Agency, National Oceanic and Atmospheric Administration, Department of Homeland Security, state agencies, and others to make regulatory and policy decisions about rapid emergency response, the health of our environment, and the connectedness to our economy.

As a senior member of the Senate Committee on Commerce, Science and Transportation, and as chair of the Senate Appropriations Committee, I understand the value and need for sound scientific data and information that can be applied to everyday decisions. The Pacific Islands rely heavily on the ocean for our sustenance, recreation, and economy, and the important role that PacIOOS can play in Hawaii and our region cannot be overstated. The vulnerable ecosystems of the Hawaiian archipelago and the greater Pacific are susceptible to climate change, extreme events, marine debris, and other threats. As PacIOOS continues to measure and monitor these systems, the connections and collaborations that PacIOOS facilitates between the ocean sciences research, policy, and education communities will benefit all of Hawaii's citizens, and those throughout the region.

Mr. Christopher Ostrander
September 21, 2010
Page 2

I look forward to receiving the good news of your successful endeavor, and supporting the important efforts of PacIOOS in any way that I can.

Aloha,

A handwritten signature in black ink, appearing to read 'D. Inouye', with a long vertical flourish extending downwards from the end of the signature.

DANIEL K. INOUE
United States Senator

DKI:jk

GREGORIO KILILI CAMACHO SABLAN
NORTHERN MARIANA ISLANDS

COMMITTEE ON EDUCATION AND LABOR
SUBCOMMITTEE ON EARLY CHILDHOOD, ELEMENTARY
AND SECONDARY EDUCATION
SUBCOMMITTEE ON WORKFORCE PROTECTIONS

COMMITTEE ON NATURAL RESOURCES
SUBCOMMITTEE ON ISLAND AFFAIRS, OCEANS AND WILDLIFE
SUBCOMMITTEE ON ENERGY AND MINERAL RESOURCES

Congress of the United States
House of Representatives
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September 7, 2010

Mr. Chris E. Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Dear Mr. Ostrander:

I am writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS program under the National Oceanic and Atmospheric Administration (NOAA) Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will expand current ocean observation network which will result in strengthening ongoing efforts in the Commonwealth of the Northern Mariana Islands to promote a safe, healthy, productive ocean and a resilient coastal zone.

Such improvements will allow for substantive development of capacity in the Marianas Archipelago through the deployment of current meters, coastal cameras, LIDAR (light detection and ranging) mapping, and the development of wave, ocean, and atmospheric numerical models. PacIOOS proposes to continue the promotion of outreach, education, and extension of ocean information by supporting student participation in research and field activities, providing material for the development of curriculum in public school systems, and extending timely, relevant, and accurate information on the open and coastal ocean to the public within the Pacific Islands region.

I support and strongly recommend favorable consideration of this project for continued and sustained funding.

Sincerely,



GREGORIO KILILI CAMACHO SABLAN
Member of Congress



EXECUTIVE CHAMBERS
HONOLULU

LINDA LINGLE
GOVERNOR

September 2, 2010

Mr. Chris E. Ostrander, Director
Pacific Islands Ocean Observing System
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Dear Mr. Ostrander:

I am writing in support of the Pacific Islands Ocean Observing System (PacIOOS) grant submission proposal that will continue the development of the PacIOOS system under the NOAA Integrated Ocean Observing System (IOOS) program. The PacIOOS work strengthens the effort of Hawaii and the Insular Pacific to promote a safe, healthy, productive ocean and resilient coastal zones.

The PacIOOS effort has provided real-time and forecast ocean information in addition to outreach, education, and extension of ocean information through student participation in research and field studies. These activities have supported the development of K-12 curriculum in public school systems and provided timely, relevant and accurate information on the open and coastal ocean to Hawaii, the US territories, and US-affiliated nations in the Pacific Islands region.

Continuing the work of the PacIOOS program will aid in improving the health of our ocean resources; assist businesses and developers on ways to minimize adverse environmental impacts; enhance the conservation of protected species, unique habitats, sustain biological diversity; support ocean science and technology, including alternative energy and local ocean observation capability.

I commend PacIOOS and their Governing Council for their work in educating and informing the public about our ocean and the care we must use to assure the perpetual care of this critical natural resource.

In this regard, I wholeheartedly support your effort to seek additional grants and funding that will enable the continuation of this important effort.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Lingle".

LINDA LINGLE

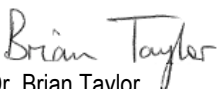
Zdenka S. Willis
Director, U.S. IOOS Program Office
1100 Wayne Avenue, Ste. 1225
Silver Spring, Maryland 20910


Director Willis:

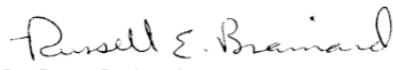
We are writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS system under the NOAA Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will continue to strengthen efforts within the Pacific Islands region to promote a safe, healthy, productive ocean and a resilient coastal zone.


The PacIOOS Governing Council was established to provide stakeholder oversight, guidance, and support for the growth of the observing, modeling, data management, and product development subsystems of the PacIOOS regional effort. We, the undersigned Members of the Governing Council, represent a diverse group of constituents throughout the Pacific Islands region directly invested in the growth and development of PacIOOS. We use PacIOOS data and information products regularly in our individual planning, operations, and decision-making and request full and sustained support to PacIOOS for the continued development, enhancement, and provision of these services.

Sincerely,


Dr. Brian Taylor
Dean, SOEST



Mr. Todd Barnes
Chief, Engineering and Construction Division
Honolulu District, U.S. Army Corps of Engineers

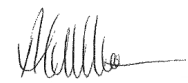

Dr. Rusty Brainard
Division Chief, NOAA-PIFSC CRED


Dr. Charles Kelley
VP KF Development, Outrigger Enterprises, Inc.


Ms. Donna Brown
Chair, Marine and Coastal Zone Advocacy Council



Mr. Justin Manley
Dir. of Scientific and Com. Bus., Liquid Robotics

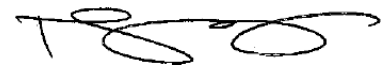

Mr. Donald Hess
VP, College of the Marshall Islands


Mr. Abbey Seth Mayer
Director, State Office of Planning

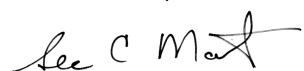

Mr. Fabian Iyar
CEO, Palau Int. Coral Reef Center


Mr. Gary North
Executive Director, Hawaii Harbor's User's Group


Dr. John Joyner
Senior Advisor to the Governor of the CNMI


Mr. Davis Yogi
Administrator, Dept. of Trans.—Harbors Div.


Dr. Philip Wiles
Research Scientists, American Samoa EPA


Mr. Sean Martin
Chairman, Western Pacific Regional Fishery
Management Council

Mr. Chris E. Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

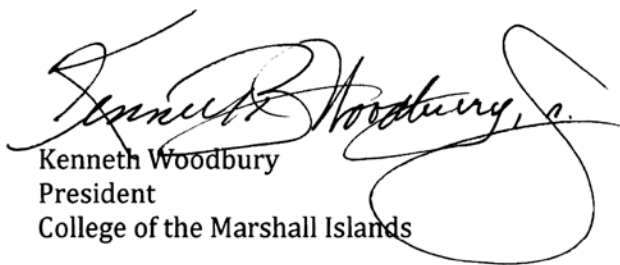
Dear Mr. Ostrander:

We are writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS program under the NOAA Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will continue to strengthen ongoing efforts in the Republic of the Marshall Islands to promote a safe, healthy, productive ocean and resilient coastal zone.


PacIOOS currently provides not only real-time and forecasted ocean information in the Marshall Islands and through the Insular Pacific region, but also promotes outreach, education, and extension of ocean information by supporting student participation in research and field activities, providing material for the development of curriculum in public school systems, and extending timely, relevant, and accurate information on the open and coastal ocean to the public within the Pacific Islands region. Such a project will continue to improve the health of our ocean resources; enhance conservation of protected species, unique habitats, and biological diversity; encourage cutting edge and appropriate ocean science and technology; and build local ocean observing capacity through training, extension, and the creation of jobs.

We support the commitment of PacIOOS and their Governing Council to the elucidation and distribution of ocean information for the benefit of the community as a whole. In this regard, we wholeheartedly support and strongly recommend favorable consideration of this project for continued and sustained funding.


Sincerely,



Kenneth Woodbury
President
College of the Marshall Islands



Deborah Barker-Manase
General Manager
RMI Environment Protection Authority



Jeffery Zebedy
Acting Director
Marshall Islands Conservation Society



Glen Joseph
Executive Director
Marshall Islands Marine Resources Authority



Harry R. Fritz
Minister

REPUBLIC OF PALAU
OFFICE OF THE MINISTER
MINISTRY OF NATURAL RESOURCES, ENVIRONMENT & TOURISM
P.O. Box 100 Koror, Republic of Palau 96940

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Mr. Chris E. Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Director Ostrander:

I am writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS system under the NOAA Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will continue to strengthen efforts within the Republic of Palau to promote a safe, healthy, productive ocean and a resilient coastal zone.

PacIOOS currently provides not only real-time and forecasted ocean information, but also promotes outreach, education, and extension of ocean information by supporting student participation in research and field activities, providing material for the development of K-12 curriculum in public school systems, and extending timely, relevant, and accurate information on the open and coastal ocean to the public of Hawaii, the US territories, and US-affiliated nations in the Pacific Islands region. Such a project has and will continue to improve the health of our ocean resources; assist businesses and developers to minimize adverse environmental impacts of their operations; enhance conservation of protected species, unique habitats, and biological diversity; encourage cutting edge and appropriate ocean science and technology, including alternative energy; and build local ocean observing capacity through training, extension, and the creation of jobs.

I support the commitment of PacIOOS and their Governing Council to the elucidation and distribution of ocean information for the benefit of the community as a whole. In this regard, I wholeheartedly support and strongly recommend favorable consideration of this project for continued and sustained funding.

Sincerely,

Harry R. Fritz
Minister
Ministry of Natural Resources, Environment and Tourism

cc: PICRC Board of Directors

1026 CABRAS HIGHWAY
STE 114
PITI
GUAM
96925

PORT USERS GROUP GUAM

Mr. Chris E. Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Director Ostrander:

I am writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS system under the NOAA Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will continue to strengthen efforts within the Territory of Guam to promote a safe, healthy, productive ocean and a resilient coastal zone.

PacIOOS currently provides not only real-time and forecasted ocean information, but also promotes outreach, education, and extension of ocean information by supporting student participation in research and field activities, providing material for the development of K-12 curriculum in public school systems, and extending timely, relevant, and accurate information on the open and coastal ocean to the public of Hawaii, the US territories, and US-affiliated nations in the Pacific Islands region. Such a project has a will continue to improve the health of our ocean resources; assist businesses and developers to minimize adverse environmental impacts of their operations; enhance conservation of protected species, unique habitats, and biological diversity; encourage cutting edge and appropriate ocean science and technology, including alternative energy; and build local ocean observing capacity through training, extension, and the creation of jobs.

I support the commitment of PacIOOS and their Governing Council to the elucidation and distribution of ocean information for the benefit of the community as a whole. In this regard, I wholeheartedly support and strongly recommend favorable consideration of this project for continued and sustained funding.

Sincerely,

Paul Blas
Paul Blas
Chairman



EMBASSY OF THE UNITED STATES OF AMERICA
MAJURO • REPUBLIC OF THE MARSHALL ISLANDS • 96960

August 17, 2010

Mr. Chris E. Ostrander
Director
Pacific Islands Ocean Observing System (PacIOOS)
1680 East-West Road
c/o CMMED, POST 105
Honolulu, Hawaii 96822

Dear Mr. Ostrander:

I am writing in support of the Pacific Islands Ocean Observing System (PacIOOS) proposal to continue the development of the PacIOOS program under the NOAA Integrated Ocean Observing System (IOOS) program. The work PacIOOS proposes will continue to strengthen ongoing efforts in the Republic of the Marshall Islands to promote a safe, healthy, productive ocean and a resilient coastal zone.

PacIOOS currently provides real-time and forecasted ocean information in the Marshall Islands and through the Insular Pacific region. Further, it promotes outreach, education, and extension of ocean information by supporting student participation in research and field activities, providing material for the development of curriculum in public school systems, and extending timely, relevant, and accurate information on the open and coastal ocean to the public within the Pacific Islands region. Such a project will continue to improve the health of our ocean resources; enhance conservation of protected species, unique habitats, and biological diversity; encourage cutting edge and appropriate ocean science and technology; and build local ocean observing capacity through training, extension, and the creation of jobs.

I support the commitment of PacIOOS and their Governing Council to the elucidation and distribution of ocean information for the benefit of the community as a whole. In this regard, I wholeheartedly support and strongly recommend favorable consideration of this project for continued and sustained funding.

Sincerely,

A handwritten signature in cursive script, reading "Martha L. Campbell".

Martha L. Campbell
U.S. Ambassador
Republic of the Marshall Islands