

**Pacific Region Integrated Data Enterprise (PRIDE)
Project Proposal Form – FY06
Instructions and Background**

What is PRIDE

In 2004, the Senate Appropriations Committee expressed concern about the significant increase in oceanographic and environmental data collection in Hawaii and the American Flag (AF) Territories, including the Northwestern Hawaiian Islands, and noted that NOAA has inadequate capacity to provide timely data and services to Hawaii, the NW Hawaiian Islands, and American Flag Territories. As such NOAA was directed to write a report detailing the region's oceanographic and environmental data requirements; identifying gaps in existing service; making recommendations for the establishment of a Pacific Ocean and Environmental Information Center that would address such needs; and identifying potential coordination or partnerships with other Federal facilities in the region that might enhance the effectiveness of such a center.

In order to address this reporting requirement, a NOAA-wide PRIDE committee was established in March 2004 in order to begin addressing this task. Since that time, PRIDE has evolved and staged a workshop in Honolulu in September 2004 to investigate the issue of integrated data products for the region and look at possible areas of collaboration particularly if resources were to be made available. A follow-up workshop was held in August 2005 to see results presented to the overall PRIDE community. It is possible that another such workshop will be held in the September 2006 timeframe in order to build on the progress made in 2004 and 2005.

With the passage of NOAA's appropriation for FY 2005, a new item was added to fund what was called the Pacific Ocean Environmental Information Center; in essence the intent of this appropriation was to begin to fund PRIDE activity projects as well as beginning to establish a data center of some kind in the region. As such, the management of this appropriation was assigned to the National Climatic Data Center's International Pacific Research Center program manager.

In FY05, a total of 14 PRIDE projects were funded totaling approximately \$1.2M; this amount represented a combination of direct PRIDE funding as well as a substantial contribution of funding from the International Pacific Research Center (IPRC) at the University of Hawaii. A summary of funded FY05 PRIDE projects is included in Table A.

Beginning in FY05, NOAA/NESDIS support was also provided to support establishment of the **NOAA Integrated Data and Environmental Applications – NOAA IDEA – Center**. Working in collaboration with Riverside Technology Inc., the East-West Center in Honolulu, HI is serving as the institutional incubator for the NOAA IDEA Center.

PRIDE and the NOAA IDEA Center will continue to focus activities in three thematic areas:

- **Climate and Coastal Communities:** These activities would focus on the development and provision of integrated information products designed to reduce the vulnerability of coastal communities to climate variability and support adaptation to climate change. This area would address issues related to changes in sea level on a variety of timescales as well as the implications of climate variability and change for disaster management, water resource management, and key economic sectors such as tourism and agriculture.
- **Marine and Coastal Ecosystems:** Create products to support the emergence of an effective Pacific marine ecosystem management program and address the consequences of changing environmental conditions for Pacific coastal communities and economic sectors dependent on healthy coastal and marine ecosystems, most notably fisheries and tourism.
- **Risk Management:** This program area would support the provision of new data sets illuminating past, current, and future trends in patterns of climate and weather-related extreme events such as tropical cyclones, flooding, drought, and ocean temperature extremes as well as the implications of those extreme events for key sectors of the economy such as agriculture, tourism, and fisheries.

PRIDE data integration projects will continue to represent a key component of the *Applications and Data Product Development program element* of the NOAA IDEA Center. Other IDEA Center program elements include:

- Support For *Global And Regional Environmental Observing Systems*, particularly the Pacific Islands Global Climate Observing System (PI-GCOS), the Pacific Islands Global Ocean Observing System (PI-GOOS) and the Pacific Islands Integrated Ocean Observing System (PacIOOS) program as initial priorities;
- Exploration Of Issues Related To *Information Technology And Information Systems* in support of the three thematic areas described above;
- Establishing And Sustaining *Critical Regional Partnerships* including (but not limited to) NOAA IDEA Center nodes, GEOSS and related subsystems, the Pacific Risk Management 'Ohana (PRiMO), the emerging Pacific Climate Information System (PaCIS), the Secretariat for the Pacific Regional Environment Programme (SPREP), the South Pacific Applied Geosciences Commission (SOPAC); and
- *Education And Outreach Activities* including establishment and maintenance of websites, stakeholder engagement workshops and related activities to enhance understanding of, access to and use of environmental observations and NOAA IDEA data products and information services.

Table A – List of FY05 PRIDE Proposals**FY05 PRIDE Proposal Summary**

Proposal #	PI	Abbreviated Title	Theme	Award
PRIDE05-01	Potemra	Integrated Website	C, M, R	\$44K
PRIDE05-02	Colasacco	Integrated Rainfall Forecasts	C, R	\$80K
PRIDE05-03	Porter	Volcano Climatology	R	\$80K
PRIDE05-04	Sun	Integrated Data Delivery	C	\$96K
PRIDE05-05	Chu	High Rainfall Events	R	\$50K
PRIDE05-06	Hankin	Access to Integrated Pacific Model Output	M	\$116K
PRIDE05-07	Soreide	Integrating PMEL Argo access and EPIC Web at IRPC	C, M, R	\$87K
PRIDE05-08	Li	Construction of a High-Quality Tropical Cyclone Reanalysis Dataset	R	\$105K
PRIDE05-09	Merrifield	Analysis of Extreme Events and Trends in Pacific Ocean Water Level Data	R	\$151K
PRIDE05-10	Chiesa	Hawaii Resource Information System for Coastal Hazards	R	\$88K
PRIDE05-11	Atkinson	Alaskan Coastal Wind/Wave Climatology	C, M, R	\$60K
PRIDE05-12	Dunbar	Pacific Region Views of Tsunamis and Significant Earthquakes	R	\$75K
PRIDE05-13	Xie	Development of an integrated data product for Hawaii climate	R, C	\$102K
PRIDE05-15	Kineman	Delineating Areas of Interest to support data mining distributed sites of ecological vulnerability.	M	\$50K
TOTAL				\$1184K

THEME:

C – Climate and Coastal Communities

M – Marine and Coastal Ecosystems

R – Risk Management

FY06 PRIDE Call for Proposals

As was the case in FY05, PRIDE project funding in FY06 will be based on a competitive review process using the forms included in this Call for Proposals. FY06 proposals should address the three thematic areas described above. Projects should be designed to stress the **production of integrated data products and services and demonstrate real and successful results in a relatively short period of time.** The proposal process is not intended to be a vehicle for acquiring new hardware and communications infrastructure; however, where reasonable procurements of hardware or software can be justified as being necessary tools in achieving results, such requests will be given due consideration. As the NOAA IDEA Center begins to spin up, it will be investing in IT infrastructure that will be able to be utilized by the PRIDE Community; in addition, as a PRIDE partner, the IPRC's resources are also something that can be considered for use. PIs are encouraged to work with Peter Hacker [phacker@hawaii.edu] at the IPRC to coordinate such requests for support of product archiving and web-based distribution of products.

Specific FY06 priorities include:

- A limited amount of additional resources required to address unanticipated problems related to completion of FY05 PRIDE projects and/or opportunities for collaborative efforts among FY05 PRIDE project teams addressing related issues; Continued development of a wave and water level product line in response to the findings and recommendations from the December 5-6, 2005, Wave and Water Level Data Framework Workshop held at the East-West Center, information regarding that workshop will soon be posted at http://apdrc.soest.hawaii.edu/PRIDE/pride_meetings.html;
- Continued exploration of data integration, visualization and data access tools and technologies building on the work undertaken in the context of FY05 PRIDE projects and with a particular emphasis on applications for Pacific Islands ocean, climate and terrestrial observing systems support;
- Climate data products and analyses to enhance seasonal to interannual climate services in the Pacific Region;
- Integrating biological, geochemical, and related socio-economic (where appropriate) data sets along with tailored model output where appropriate to create new ocean ecosystem data products to support marine and coastal resource management programs in the American Flag and U.S. Affiliated Pacific Islands; and
- Data products and information services developed in response to information needs and priorities identified in the context of the Pacific Risk Management 'Ohana (PRiMO).

A final determination of the allocation of awards among these priorities has not yet been made but the total amount of resources available for FY06 PRIDE projects is anticipated to be approximately \$1.2M. **Based on that budget, as well as experience from the FY05 process, new FY06 PRIDE project awards should look at an upper level of about \$150K. Smaller proposal amounts that can provide positive results towards the production of integrated data products and services and demonstrate real results in a relatively short period of time are encouraged.**

Points of Contact

NCDC PRIDE Proposal Management Team:

- Howard Diamond; howard.diamond@noaa.gov; 301-713-1283
- Eric Davis; eric.davis@noaa.gov; 301-713-0519

Submission Procedures

- All members of the original PRIDE planning team, participants in the PRIDE workshops in September 2004 and August 2005 as well as the December 2005 Wave and Water Level Data Framework Workshop, members of the PRiMO observations and data management hui, and individuals representing other NOAA partners in the Pacific region are eligible to submit proposals. A Principle Investigator from NOAA makes it easier to transfer the funds to, but if necessary, there are other funding mechanisms that can be utilized.
- Good writing is usually short writing, please remember that good concise descriptions of what you want to propose are well appreciated; please try to keep descriptions of proposals to roughly 5-6 pages in length
- **Font size 12 point; Font: New Times Roman or Arial**
- **Standard margins; Single sided**
- **Page numbering:** Please **do not include the first 5 pages** of instructions in your submission; and also number your pages at the bottom.
- **Once completed** please submit your proposal in **PDF Format** via e-mail to Howard Diamond and Eric Davis **NLT COB on Friday, February 24, 2006**
- This date is critical as the review team will be meeting in late March 2006, and will need that lead time in order to properly review the proposals.
- Projects need to be able to demonstrate some significant and tangible benefits to users.
- Notification of awards will come in early April 2006.

Leveraging

Where you can draw on work with other organizations (inside and outside of NOAA); other resources; or working in partnerships, these are all positive features of a PRIDE proposal. For example, the ability to work with the JIMAR at the University of Hawaii or with the East West Center does help with extending the life of funding. For instance, the International Pacific Research Center's Asia Pacific Data Research Center at the University of Hawaii is a member of the PRIDE team, and is an excellent resource to consider when searching for collaborative partners in data integration work.

Previous PRIDE Support in FY05 (\$); and Project Progress and Accomplishments

This is fairly self-explanatory; if you received PRIDE support in FY05 and this project is a continuation or add-on to that activity we would like some details on the amount of funding you received and what progress and accomplishments (e.g., deliverables) you have been able to complete to date. Even if this project is completely new, and you have received previous PRIDE resources, we are interested in judging your previous PRIDE track record, if applicable.

Project Deliverables

Please describe the nature of the deliverable and accommodations for long-term archive (e.g., data center) and access (e.g., web portal) for the product.

Budget Breakout

A budget breakout is requested in item #11 of the form; the breakdown of your proposed allocation of resources is critical for a reasonable and fair evaluation of activities and associated costs to be made. Since a PRIDE workshop may also be held in Honolulu, in the September 2006 timeframe, please also build in the necessary travel costs (if applicable) for you as the PI to attend that.

FY06 PRIDE Project Proposal Format
(Please limit to roughly 5-6 pages in length)

1. Project Title:

2. Principal Investigator (PI):

Title:

First Name:

Last Name:

Organization Name:

Routing Code:

Address Line 1 :

Address Line 2:

City, State, Zip:

Email Address:

Phone:

Fax:

3. Other Investigators: (If applicable)

Name:

Organization:

4. Theme: [Please select the theme(s) that apply]

Climate Coastal Communities

Marine and Coastal Ecosystems

Risk Management

5. One year PRIDE funding request for FY06 (\$ K):

6. Leveraged Resources: (If applicable)

7. Previous PRIDE Support in FY05 (\$s); and Project Progress and Accomplishments

8. Project Objective:

9. Project Description:

10. Project Deliverables:

11. Budget Breakout (Required format):

Please show funding in WHOLE THOUSANDS of dollars (\$K) only for FY2006:

NOTE:

Staffing costs should include all funding necessary to fund FTE(s) or percentage of FTE position(s). PRIDE funding is limited, so we are requiring PIs **NOT** to include any of their or their staff's salary time that they are already receiving from another source.

List of Staff: Please indicate the Full-time Equivalent (FTE) amount of time of involved here based on a percentage of a 2080 hour work year for each FTE staff person:

Name _____	FTE % _____

(\$K)

Total Staffing Costs: _____

Travel: _____

Equipment (Details are helpful): _____

Other Direct Costs (e.g., supplies, computer software and maintenance, communications, publications, shipping, data licensing, shipping, rent, supplies, printing, etc.)

Total Direct Costs (Staffing, Travel, Equipment, Other): _____

Indirect Costs (e.g., overhead): _____

GRAND TOTAL (\$K) [Total Direct plus Indirect]: _____

Additional Budget Justification and Comments:

Please provide any comments in the space below that you believe would be helpful in understanding what it is you are trying to do, so that a reasonable and fair evaluation of activities and associated costs can be made.