

La Vinculación Internacional

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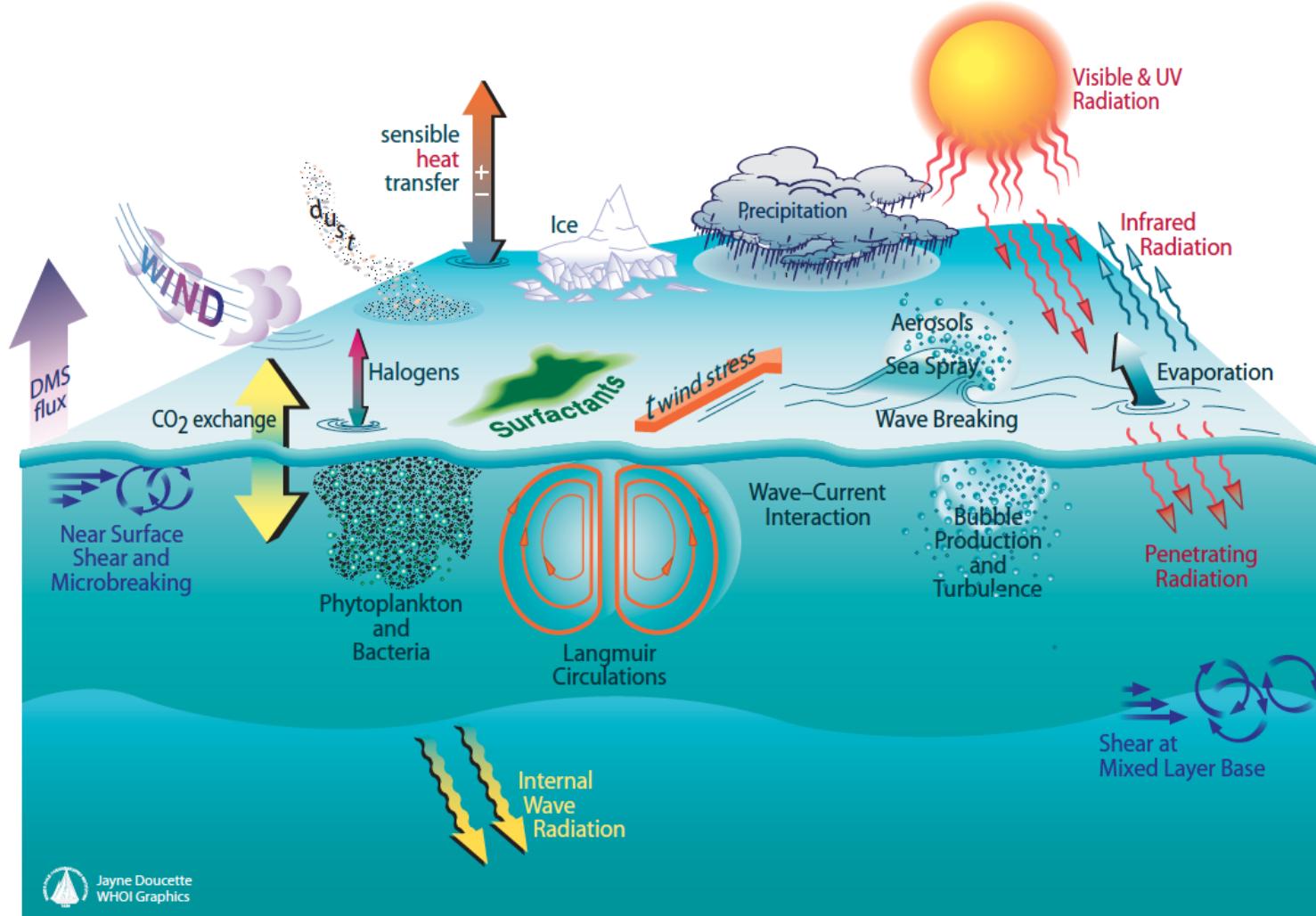




CUDI
23-25 mayo 2012

Procesos Oceano-Atmosfera

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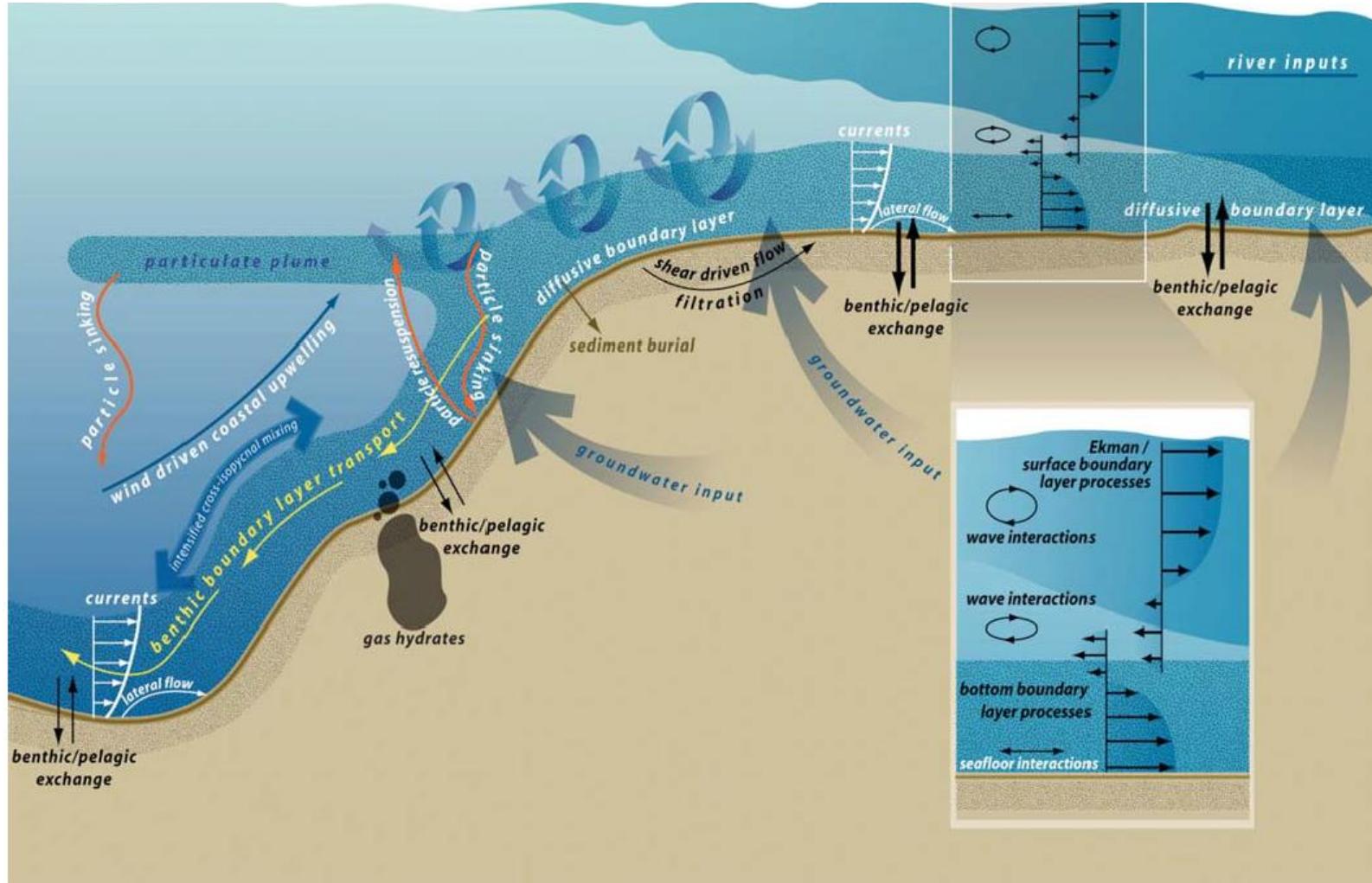




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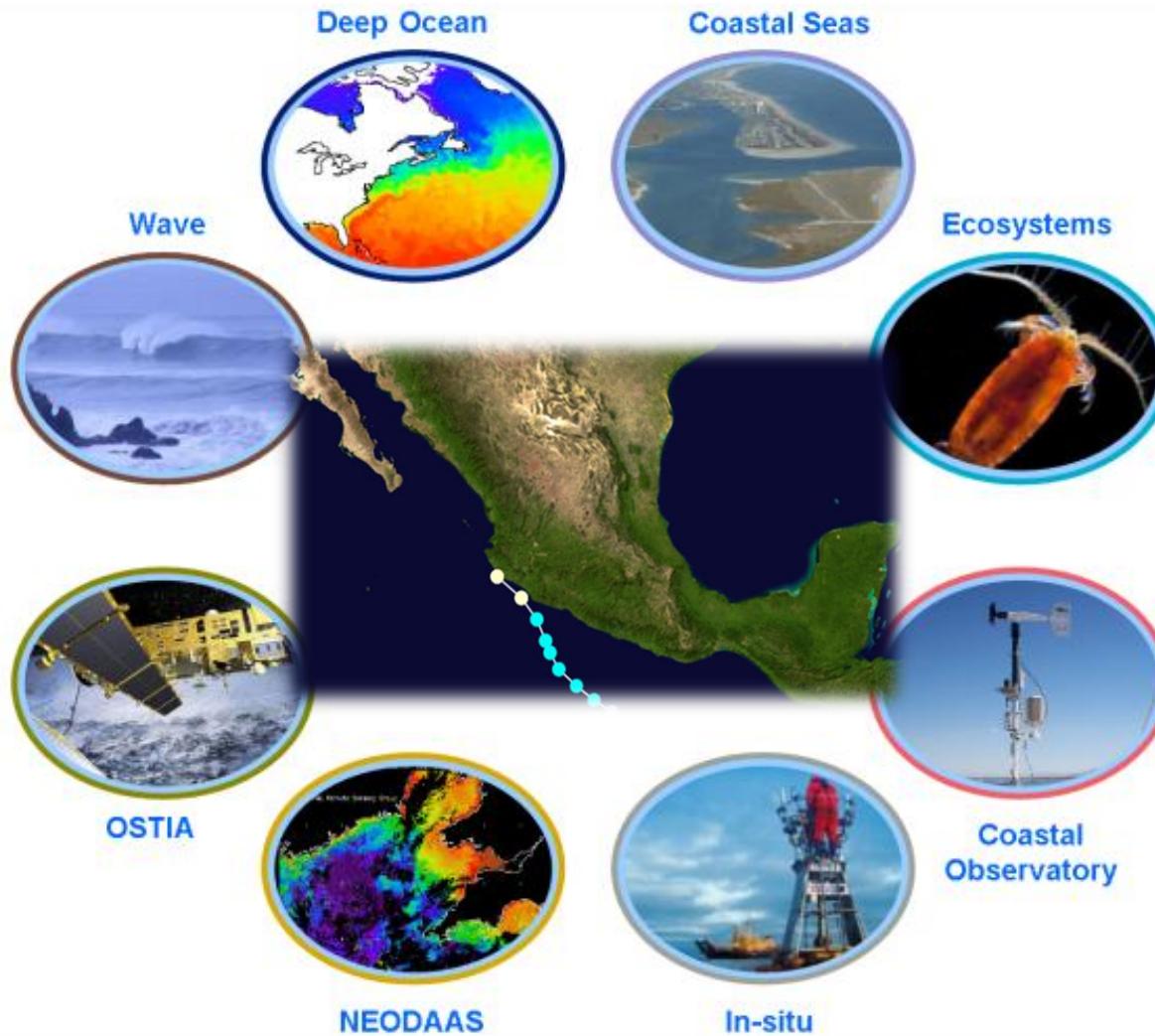
Procesos de Ecosistemas en las Margines Continentales

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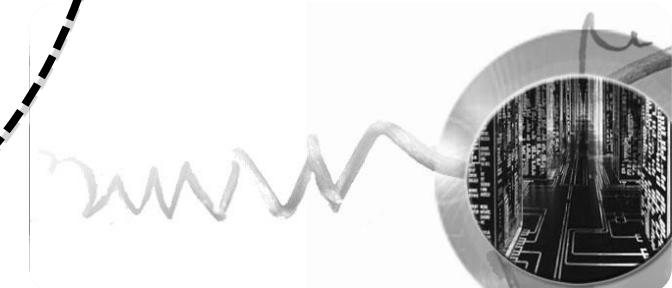
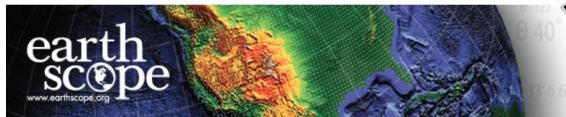
Monitoreo del Mar y la Costa

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Redes de Observacion y Monitoreo

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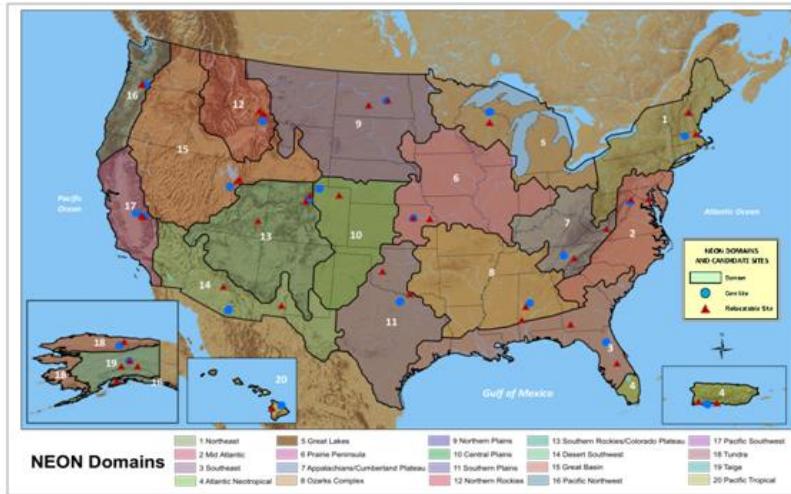


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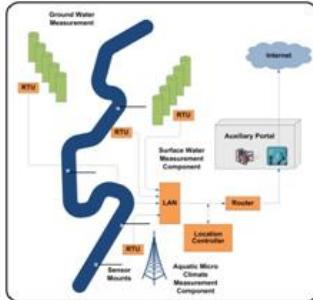


neon
National Ecological Observatory Network, Inc.

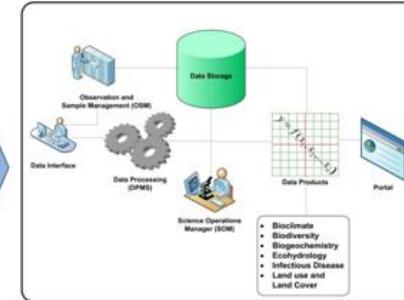
NEON site constellation



Field data acquisition, airborne campaigns, Federal partners



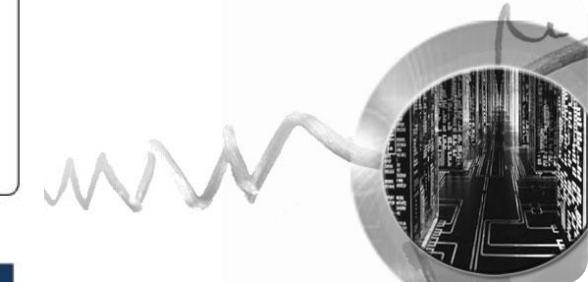
NEON Cyberinfrastructure



Applications that utilize NEON data products

- Ecological Forecasting
- Education
- Public Engagement
- Socio-economic analyses
- Decision support for:
 - Climate-change adaptation
 - Climate-change mitigation
 - Resource management
 - Environmental Risk Management

NEON Education Products



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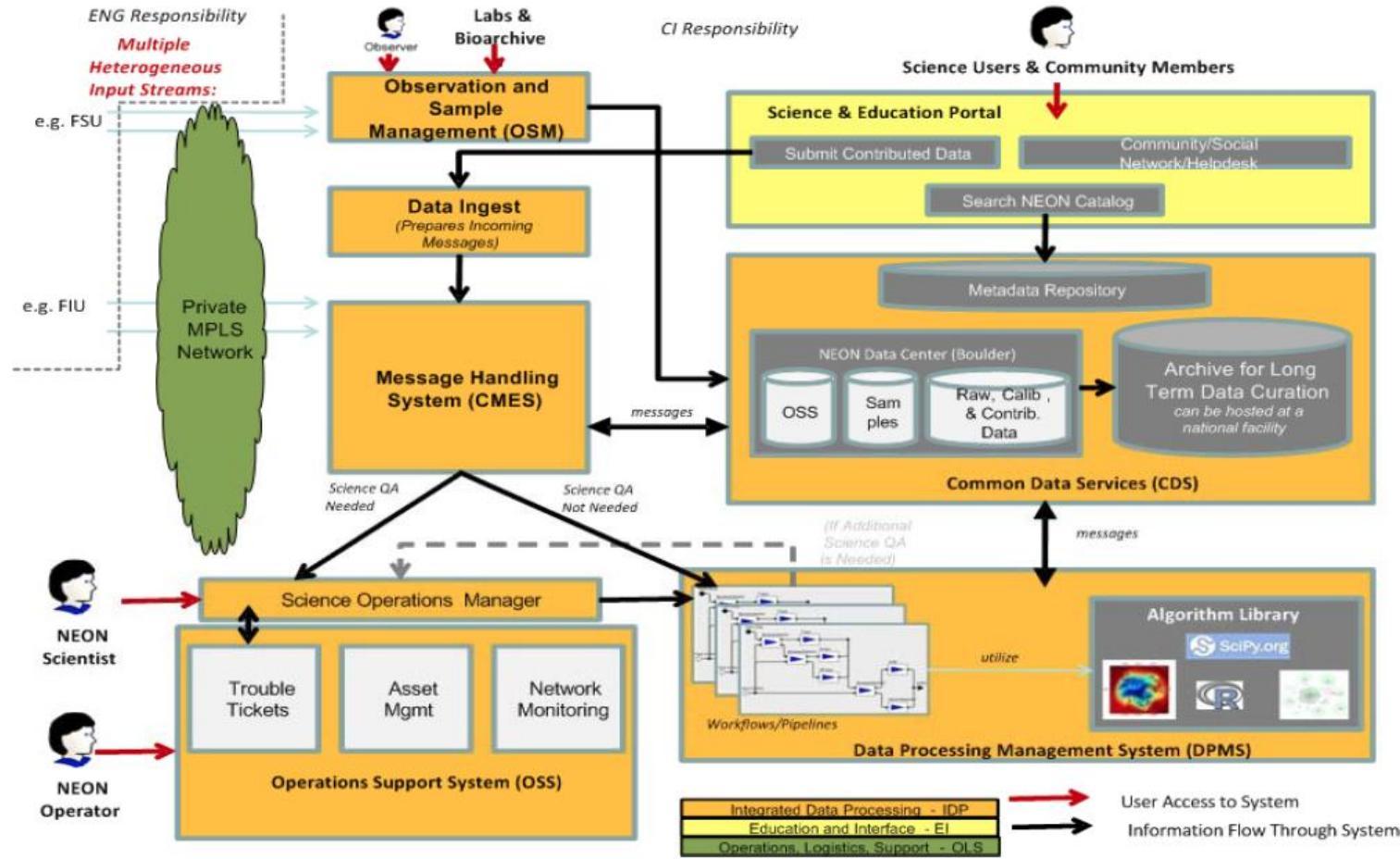


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NEON Cyber Infrastructure

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NEON Web Portal Prototype

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Overview of NEON Science | NEON - Mozilla Firefox

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http://www.neoninc.org/science/overview

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National Ecological Observatory Network, Inc.

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NEON News

[09.30.09] NEON's AOP Team to Get Stimulus Funding for New Technology

The Airborne Observation team at NEON will receive stimulus money to develop a new imaging spectrometer to study ecosystems from aircraft, a significant advancement for the field of ecological rese ...[Read More]

[09.02.09] Congressman Jared Polis pays visit to NEON

NEON hosted a visit from Congressman Jared Polis on Wednesday, September 2, 2009. ...[Read More]

NEON Sites

Legend: Aquatic Sites, Core Sites, Research Sites, Domain Boundary

Citizen Science

Quaking aspen
Populus tremuloides
All Leaves Unfolded on May 28, 2009
Observation No. 8167

Beetle Lookup

Beetle Barcode ID 123456789

COLORADO, Weld County
Central Plains EXPN RING, 5100' N40, 8164, W104,7490, Pitfall Trap
21Jul2009, KKBlevins
123426789

Leptinotarsa decemlineata

Location | Other Data | Images

Done

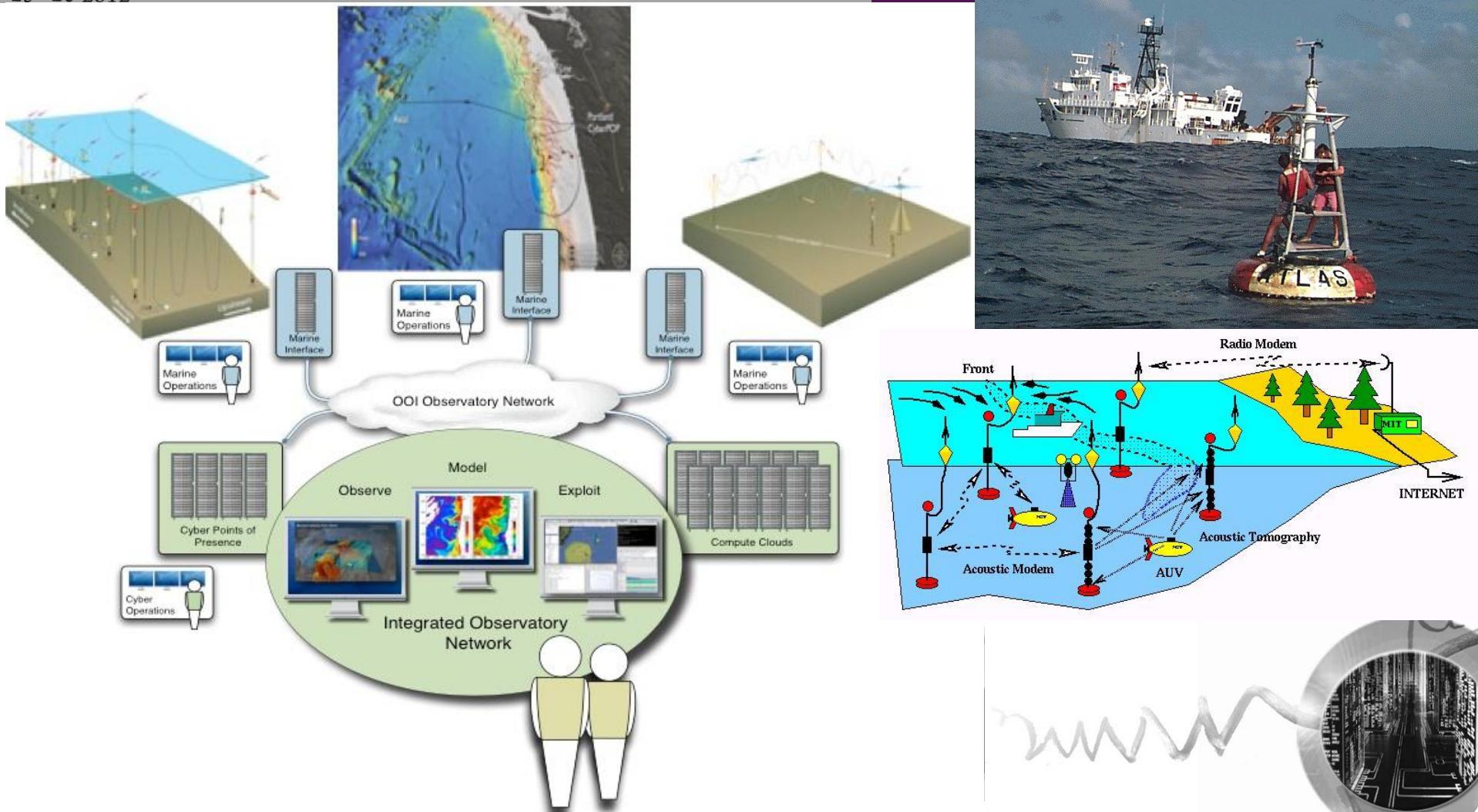




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OOI Red Integrada de Observaciones

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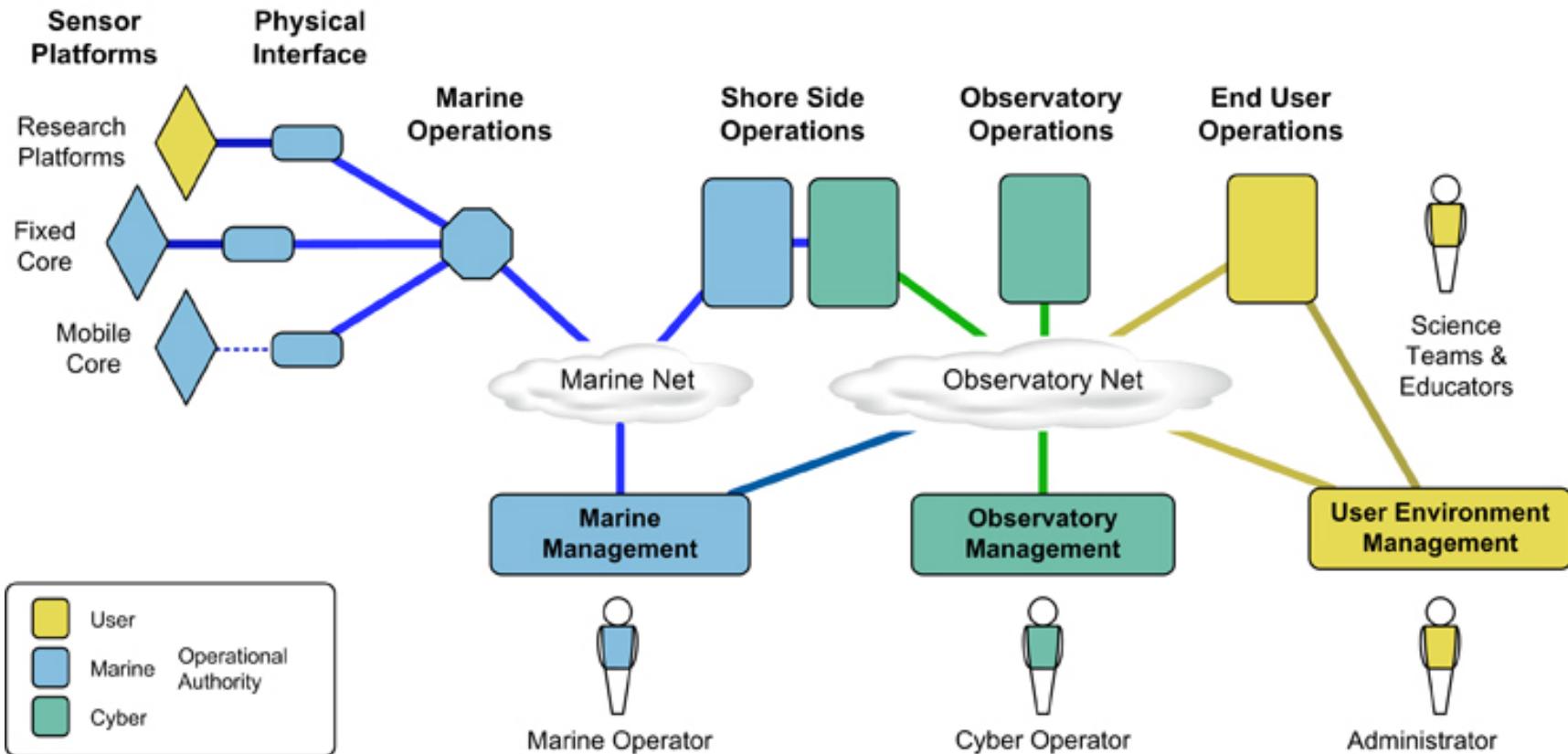




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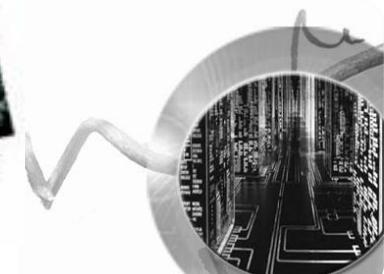
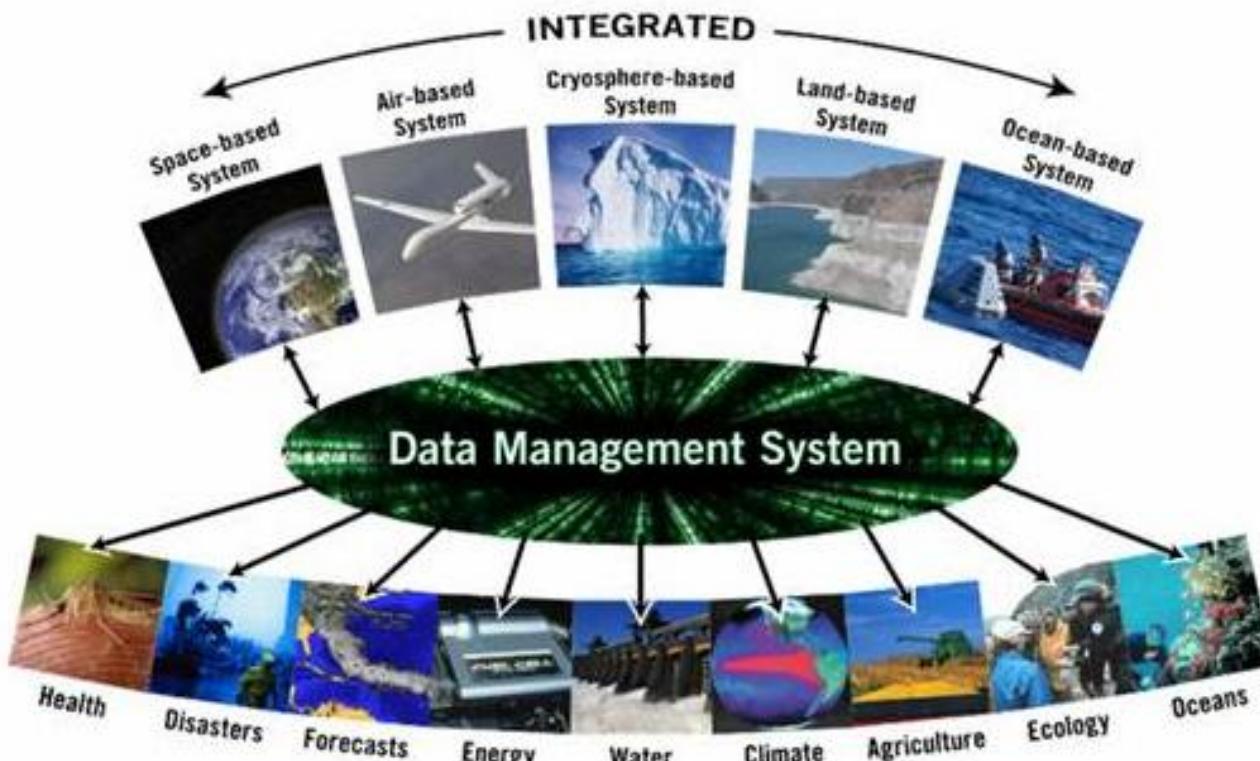


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Observing Systems

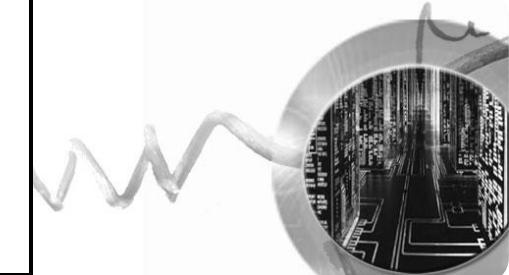
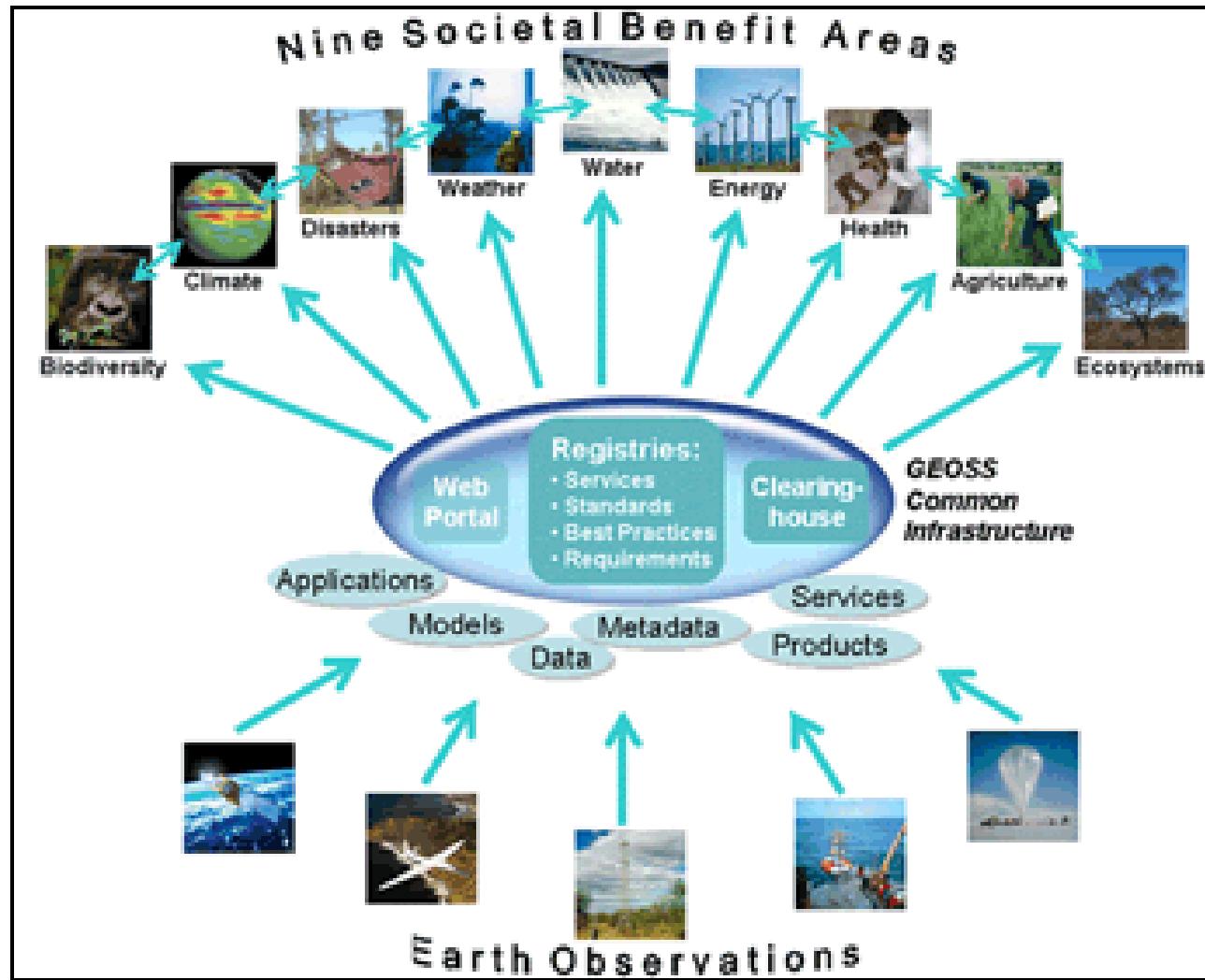
Global Earth Observation System of Systems





GEOSS Common Infrastructure

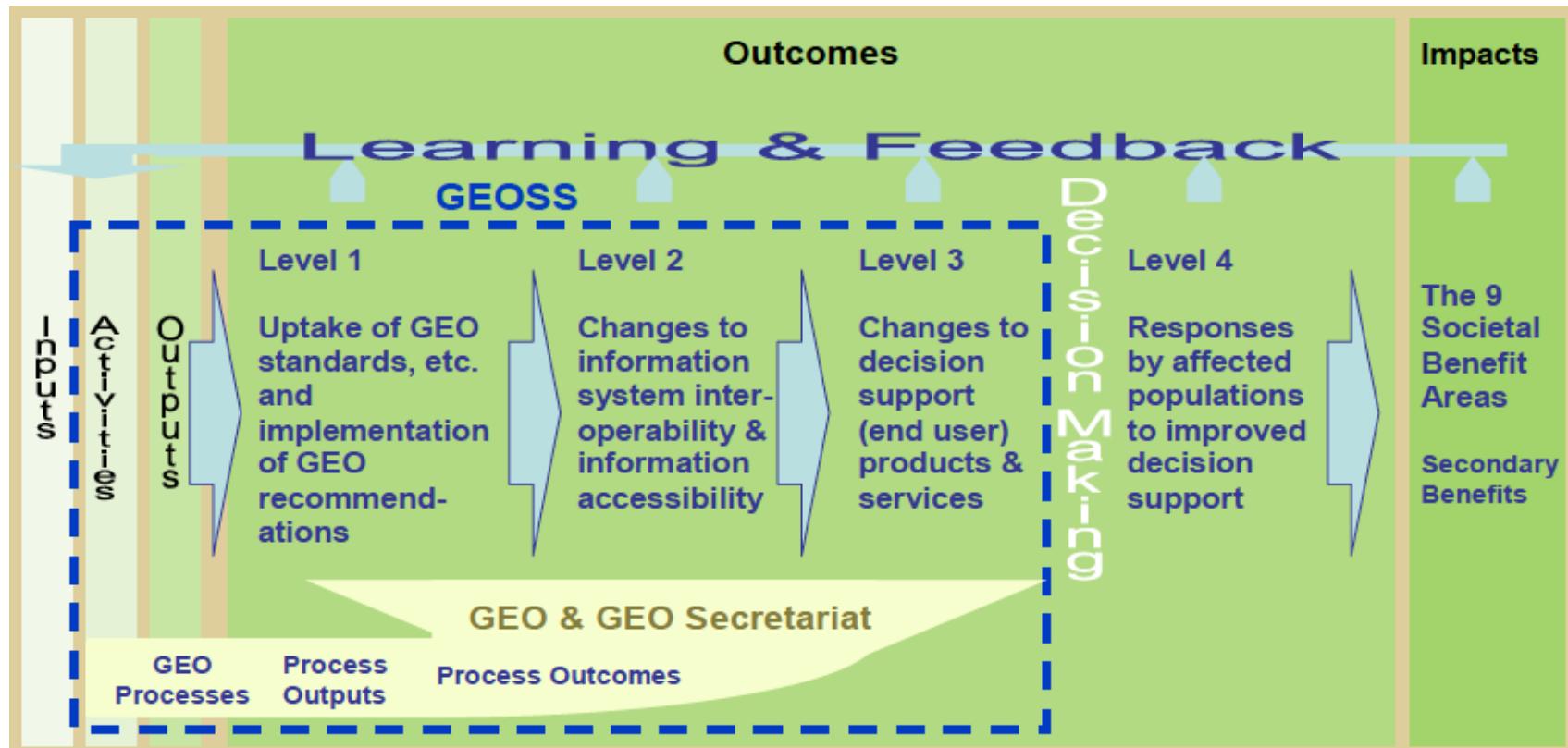
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GEOSS - Sistema para Resultados

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Principios

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Datos, sus productos y el intercambio

- Apoyar la investigación interdisciplinaria y soluciones para retos de manejo
- Meta es acceso sin barreras de un rango amplio de datos y productos
- Definir el interface, no el formato
- Necesidad de integrar los datos generados afuera del dominio de la Agencia
- Adoptar el principio de "open data"
- Incentivos y requerimientos son ambos necesarios para promover el intercambio de datos y productos



Proceso de datos

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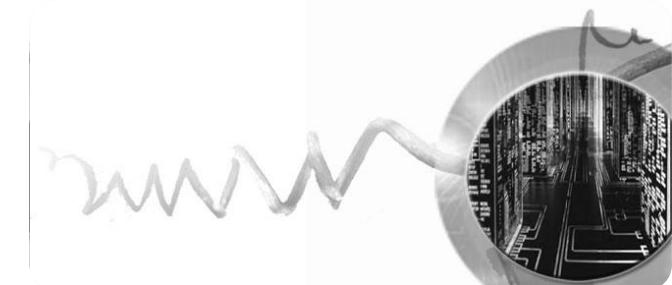
- Centros Nacionales de computacion deben de utilizar sistemas de software estandarizadas
- Necesario definir marcos de proceso estandarizados
- Necesidad de intercambio de software – incluir apoyo de IT para apoyar desarrollo de interfaces con el usuario



Servicio a las comunidades no-científicos

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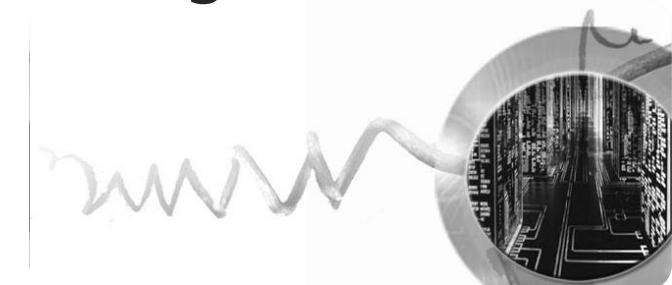
- Educación de la comunidad a todos niveles
- Necesidad de tutorios para los no-especialistas
- Productos que pueden ser utilizados apropiadamente por no-expertos



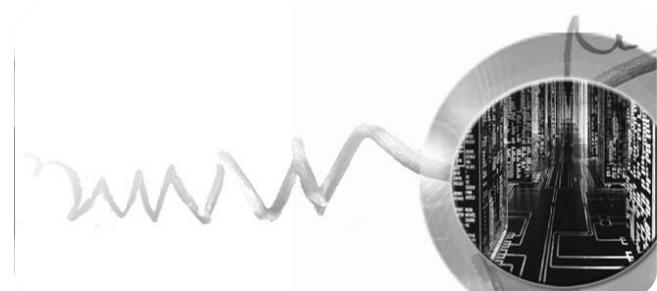
CyberInfrastructure (para la AMMC?)

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Cyberinfrastructure a lo ancho del sistema permitira a investigadores controlar sus instrumentos a forma remota, permitiendo estrategias adaptivas; llevar a cabo experimentos *in situ*; construir observatorios virtuales de diferentes sensores espicamente disenados a sus requerimientos científicos; y acceso a sus datos en tiempos casi-real desde casi cualquier lugar en el oceano mundial



Cyberinfrastructure es esencial para el exito científico de la AMMC



Gracias por su Atencion

