

Dancing with the Management Stars: Science-Management Partnerships that Provide Actionable Science



search Coordinator

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Who wantstoobeeamilibioniaile climate expert? expert?



Chicago Hiverywhere



Keeping Weepinghepkaithetsleidher Chaniges Around Us

Wheel of VV betelmer Ctimate Impacts



Actionable Science

- provides data, analyses, projections, or tools that can support decisions regarding the management of risks and impacts of climate change
- ideally co-produced by scientists and decision-makers
- creates rigorous and accessible products to meet the needs of stakeholders

Message to Resource Managers

Recognize general research themes to pursue

Describe the science products you are looking for

Identify the intended management application

Message to Resource Managers

RESEARCH PRODUCTS scientists thought YOU needed

- Workshops
- Technical reports
- Peer-reviewed publications
- Inventories
- Maps
- Time series animations
- Presentations
- Re-analyses

- Analyses
- Simulations
- Evaluations
- Assessments
- Probability distributions
- Models
- Interpretive factsheets
- Web applications

- Aerial photos
- Satellite remote sensing
- Videos
- University courses
- Conceptual frameworks
- Web portals
- GIS layers
- Datasets

Message to Resource Managers

MANAGEMENT APPLICATIONS scientists thought YOU had in mind

- Human health
- Land use patterns
- Post-fire rehabilitation
- Education opportunities
- Land acquisition
- Forest management
- Prescribed fires
- Species protection
- Reintroduction programs
- Timber harvest
- Monitoring design
- Tribal services
- Cultural practices

- Habitat conservation
- Population preservation
- Assisted fish migrations
- Harvest restrictions
- Hydropower generation
- Restoration priorities
- Landscape design
- Conservation needs
- Treatment strategies
- Water use management
- Socioeconomic considerations

- ESA listings
- Critical habitat designation
- Adaptation strategies
- Reservoir management
- Flood control
- Recreation
- Irrigation allocation
- Public safety
- Connectivity maintenance
- Insurance liability value

Message to Scientists

Project selection criterion

Identify **relevancy** of expected results to natural/cultural resource managers

Describe plans to **actively engage** with intended users of the scientific output

Some real responses...

Our results will be important for managers anticipating climate change

We plan to share our results with natural resource managers •

Insights gained will help managers understand the resources they steward

Understanding the effects of climate change on [...] will provide resource managers with information needed to develop adaptive management strategies

We will work with managers to guide mgmt strategies in light of our findings

Message to Scientists

Make your science count Jump on the time machine!





