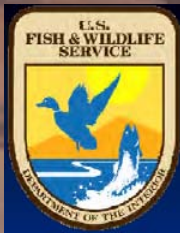


Science for the California Landscape Conservation Cooperative

Southern California Workshops
January 25 and 26, 2011



Rebecca Fris
Science Coordinator



The Science of the CA LCC

- What have we done so far?
- What do we have planned in the short-term?
- What steps will be taken to get to a longer term Science Plan?

2010 Areas of Emphasis

AREAS OF EMPHASIS IN THE REQUEST FOR PROPOSALS



Climate Information

Downscaled models, interfacing information, data management



Land Cover



Data Sharing, Management, & Interfacing



Habitat Connectivity

Corridors & hot-spots



Water Resource Issues

Hydrological models, management regimes



Species & Habitat Information



Communication & Information Exchange

PROJECT CONSIDERATIONS



Project Shows Measurable Short-term Results



Project is within CA LCC first Phase Region

Does the Project...



Meet multiple CA LCC needs, benefit other LCCs, have multiple partners, leverage funding, and set CA LCC for long-term success?



Improve the understanding of how species, habitats, or landscapes adjust to stressors, including climate change?



Address existing resource goals, plans or priorities?

CA LCC Project Deliverables

11 multi-partner projects funded last year

- ✓ **Species / habitat vulnerability assessments**
- ✓ **Application of downscaled models effects on fish and wildlife**
- ✓ **Monitoring protocols and programs**
- ✓ **Access to data sets and web-based decision support tools**



CA LCC Activities

- Workshop on modeling impacts of sea level rise intertidal habitat (Oct 26-27, 2010)
- Workshop on climate change research and implications for biodiversity conservation in the Bay Area (Nov 1, 2010)
- Support for CA Department of Fish and Game “Bridging the Gap” workshop connecting climate change scientists and resource managers (Nov 3, 2010)



Data Informatics Team

One CA LCC goal is to facilitate information acquisition, interpretation, translation, exchange and availability.

The Data Informatics Team will:

- ✓ bring together existing data,
- ✓ provide guidance for future data collection and data use, and
- ✓ provide users with greater access to timely and pertinent information.



2011 Priorities

Projects should *support decision-making and conservation delivery* for natural resource managers while *accounting for sources of uncertainty about system dynamics* that would affect management decisions.

Looking for projects throughout the CA LCC geographic scope

About \$850,000 available



2011 Priorities

Ecosystem Response and Species/Habitat Information

- Downscaled global climate model information
- Identifying biodiversity hotspots and connectivity needs
- Understanding demographic response to change
- Modeling the frequency, intensity and impacts of extreme climate-driven events

2011 Priorities

Decision Support for Climate Adaptation

- Future scenario planning at a landscape scale
- Open access information retrieval and decision-support tools
- Development/standardization of metrics of change
- Long term monitoring programs to track change

Evaluation Criteria

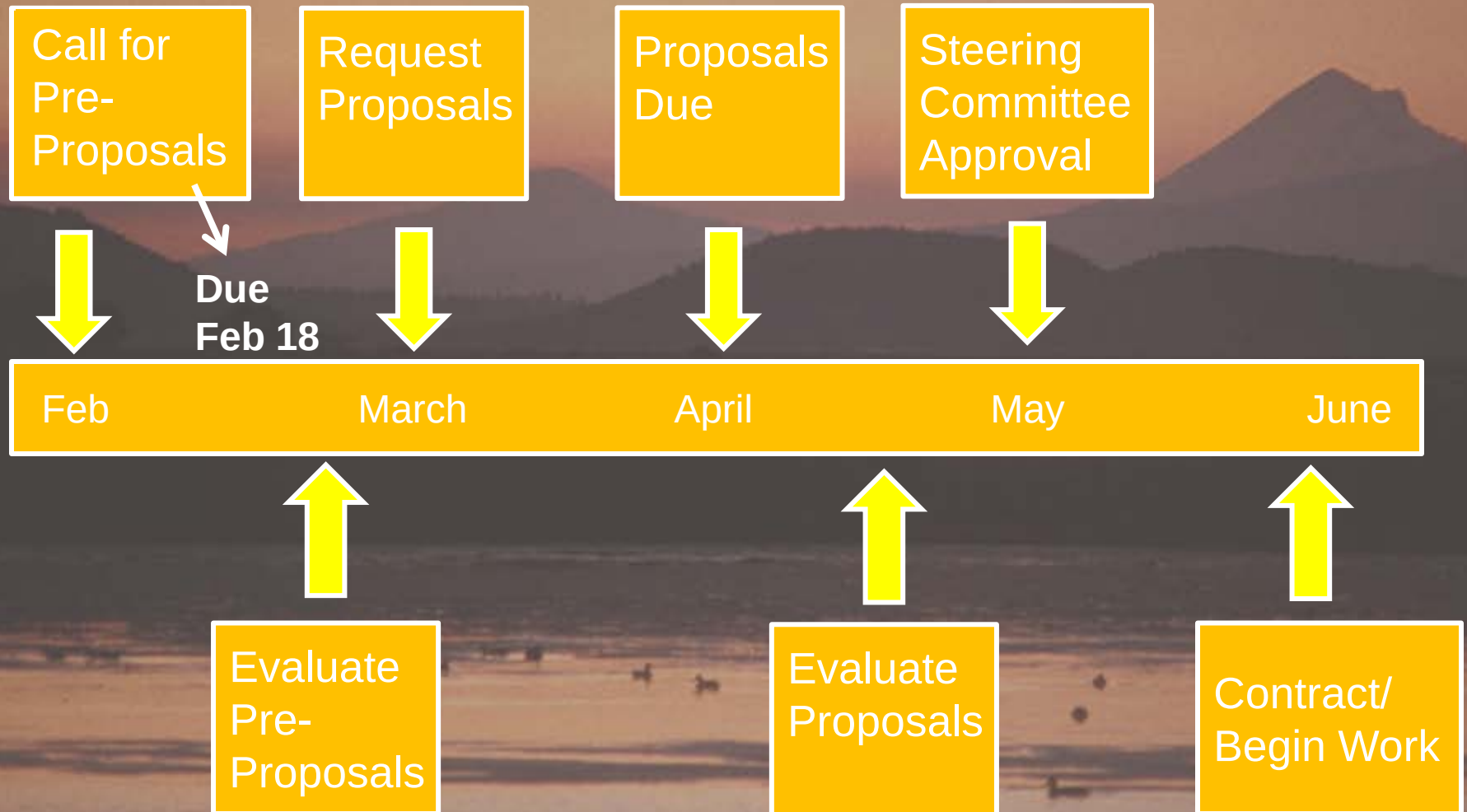
- ✓ **Applicability to Conservation and Adaptation Decisions** - highly likely to aid decision making
- ✓ **Ecological or Ecosystem Response to System or Climate Change** - improves understanding about responses to change
- ✓ **Breadth of Understanding** - is integrative – physical and biological data, multi-taxa

Evaluation Criteria

- ✓ **Accessibility** - products are available and easy to use
- ✓ **Scope/Transferability** - LCC-wide with products transferable to other regions and/or other LCCs
- ✓ **Partnerships/Leveraging** – multiple partners, funding sources and/or in-kind contributions
- ✓ **Timeliness and Urgency** – information needed quickly due to high risk or to avoid severe impact



Project Selection Process - 2011



Longer-term Science Needs

The focus of today's Breakout Sessions are to get input on immediate and longer-term science priorities.

After CA LCC Steering Committee is fully developed:

- ✓ Conduct a science needs assessment
- ✓ Begin work on a 5 year Strategic Plan and Science Plan



Questions / Comments?

For more information:

CaliforniaLCC.org

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