

## LCD Meeting 1/14/2020

Attendees: Natalie, Aubin, Matt, Sean, Phil

### Funding status

- Funding is still hung up - sean sent email to admin officer in Denver - we should be really close - can then pull funds through FLBS

### Leadership Team Webinar: Tuesday January 21, 10 - 11:30 MST

- CMP sent out a letter to about 85 partners in Dec - in letter was an invitation to this webinar - will be recorded using Adobe Connect

### Yale Students

- 2 students working on developing vulnerability assessments (bull trout and Whitebark Pine)
- invited to Feb Tech Team meeting, 2/11

### Slack

- Submitted agenda on slack - will start to use more effectively

### Miradi (<https://www.miradi.org/>)

- Conservation project mgmt software - decision making software - 2 accounts purchased through funds - **Action: Phil and Natalie will purchase when funds come through** - can use 60 day free trial - useful for data organizing/workflows and information sharing
- Used on columbia plateau LCD - **Action: Sean will send documents that were completed with this program**

### Marxan with Zones and Zonae Cogito (<http://marxan.net/>)

- Matt and Sean took Marxan training, Aubin has used Marxan once - optimization software
- Marxan with zone will allow you to develop cost layers
  - Ex. grizzlies - cost might be involved with human development
  - **Action: All download the marxan freeware**
- Zonae allows you to do sensitivity and validation routines - also available on marxan.net
- There are thorough user guides available on marxan.net!

### ScienceBase (file sharing)

- Every agency can use - what CMP uses - this will be what we use for file sharing

### AGOL (web service hosting)

- This is what we will use for map services

### "Collider" - deep hitting questions our new partners may ask ...

- What is my time commitment?
  - Will have a *tech team* that meets once per month for 1 hr - *ad hoc committees* (ex. Grizzly expert committee) that will be available for a 2-3 hr long phone call - *leadership team*, phone call every other month, general feel for whether we're hitting agency missions
- How do I know voice will be heard?
  - If something is valuable on the landscape, it likely won't just be one partner voicing it
- What is the geographic area and why?
  - One of the major focuses of next week - people will provide critique of maps shown - cce with extensions - geo will be determined as group effort
- What is the ultimate tangible goal of this project?

- Agencies usually have specific geography/mission, what we provide is a landscape, holistic context - you can understand what are your neighbors doing - best example is invasive species
- How do you conceptualize the value/cost of an ecosystem service?
  - Marxan good practices handbook - full of ways to approach that q
  - No stringent economic \$ amount - Rather, what aspects will limit you achieving a set goal - we will be pulling in experts to answer those qs - this is a planning tool with flexibility
- How does the software even work?
  - Marxan originally made for creating alloys - used to show how multiple parts of an ecosystem can fit together - input data is spatial data - establish objectives and understand what will limit achieving that target - this is called cost layer -Marxan “anneals/melts” the many conservation targets together to determine how to achieve most targets at least cost - and then, we discuss the results and make the process iterative
- Planning unit shapefile
  - Marxan works on planning units/pixels - can be any size you want (though with minimum size limits) - can be squares, hexagons (good for tracking movement), watersheds - essentially, the planning unit is your scoreboard - the planning unit where you get the best value is where you put resources