

# Mapping and Data Breakout



# Mapping and Data Subcommittee

- supports regional weed data sharing
  - EDRR and “watch” species monitoring and selection
  - prioritizing management actions
  - monitoring progress of management actions
- share knowledge about field data collection tools
- supports use of [iMapInvasives.org](http://iMapInvasives.org) as collective data storage location
- and more

# Demos

- Brian Sheppard, Clean Water Services
- Lindsey Wise, iMapInvasive Oregon
- Jeff Lesh, CCSWCD

# CCSWCD Solution Objectives

- present data in field
  - permissions, mapped weed locations, site and contact information
- collect data in field
  - weed observations, surveys, treatments
  - complex, but efficient data entry
- cloud synced to support
  - contractor use
  - automated integration into existing datasets (API)

# Fulcrumapp.com

- Android/iOS
- multiple mbtiles basemap
  - tooltip support, zoom level and CSS styling
- cloud synced
- data workflow is high priority
  - robust API, many import/export formats
- supports workflows and assignments
- multi-user support
- point only
- multipurpose application

# Fulcrum demo

# questions for mobile data collection

- basemap support and options
- offline capabilities
- polygon support
- cloud synchronization
- data workflow (API, export/import formats)
- form development (ease, sophistication)
- GNSS accuracy
- the usual: speed, usability, simplicity, support

# some of the other mobile device based options

- **formhub**
- Open Data Kit
- **ENKETO**
- **fulcrumapp**
- arcgis mobile/online
- iGIS
- gisroam
- qgis
- arcpad
- geopapparazi
- iMap mobile web app
- **iNaturalist.org**
- gis cloud
- epicollect
- amigo cloud
- kobo toolbox
- qmap
- **avenza pdf maps**
- **eddmaps**
- wolf-gis
- GIS Kit
- fielddata.org
- magpi.org
- openxdata.org
- lots of customs apps



