



# California Invasive Plant Information Commons

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## Components of the Commons:

- People
- Standards
- Data
- System for supporting data exchange and integration



# NSDI Cooperative Agreement Program

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- **This Grant: Building community, coordinating**
  - Decision to build a California Invasive Plant Information Commons
  - Commitment to principles, adoption of standards
- **Other NSDI grant categories:**
  - Data cataloging training workshops
  - Web mapping services, Open GIS



The people part of the Commons:

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# California Invasive Plant Data Collaborative

Community of people cooperating to share data and remove barriers to data sharing and development



# Data Exchange Standards

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- Metadata
  - Describing Organizations, People, Projects, and Data
- Data content and structure
  - Spatial data
- Vocabularies
- Emerging system for live data networking: CaLEDLN

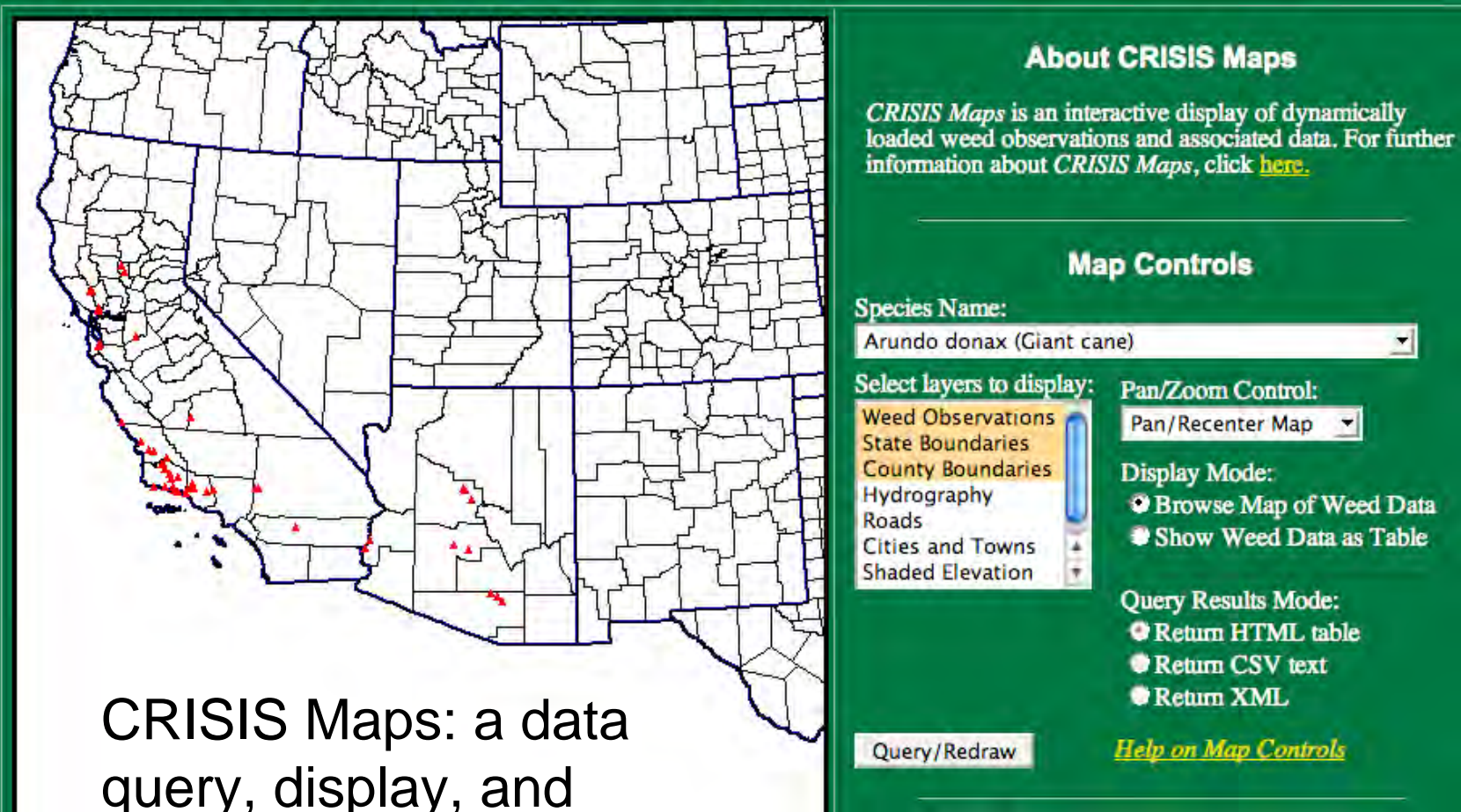


# Data

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- Catalogs (metadata):
  - Organizations, Projects, Expertise
  - Spatial data
  - Documents, reports
  - Bibliographic
  - Photos
  - Maps
- Plant distribution data from many sources
- Open exchange for increased usage

# Spatial data may be exchanged as NAWMA standard data in XML (GML)



The screenshot displays the CRISIS Maps web interface. On the left is a map of the United States with red triangles indicating weed observations, primarily concentrated in the western and southern regions. The right side features a green control panel with the following sections:

- About CRISIS Maps:** A text block stating that CRISIS Maps is an interactive display of dynamically loaded weed observations and associated data, with a link to [here](#) for further information.
- Map Controls:** A section containing several interactive elements:
  - Species Name:** A dropdown menu currently set to "Arundo donax (Giant cane)".
  - Select layers to display:** A list of map layers with checkboxes, including "Weed Observations" (checked), "State Boundaries", "County Boundaries", "Hydrography", "Roads", "Cities and Towns", and "Shaded Elevation".
  - Pan/Zoom Control:** A dropdown menu set to "Pan/Recenter Map".
  - Display Mode:** Two radio buttons: "Browse Map of Weed Data" (selected) and "Show Weed Data as Table".
  - Query Results Mode:** Three radio buttons: "Return HTML table" (selected), "Return CSV text", and "Return XML".
- Query/Redraw:** A button at the bottom left of the control panel.
- Help on Map Controls:** A link at the bottom right of the control panel.

CRISIS Maps: a data query, display, and download system



# WWW Portal for the Commons

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Central point for:

- Communications
- Catalog and spatial data aggregation and open archive
- Synthesized data products: state-wide maps, alert system



# Northbay Information Commons

A project of the California Environmental Digital Library Network

site map accessibility contact site setup

deanne my folder preferences undo log out

you are here: home

contents view edit properties sharing display add to folder state: published

Changes saved.

## The Northbay Environmental Information Commons

The Northbay Environmental Information Commons is regional environmental information made available through a distributed digital library network, as well as the shared resources, policies, and expertise that make it possible. Participation in the Commons at all levels is open to all regional organizations. Through the use of published open specifications, anyone may contribute data for propagation into multiple databases as well as harvest data for analysis purposes or to aggregate into an information system.

### Membership and Participation

Participants to date have been representatives from the following organizations:

- |                                   |   |
|-----------------------------------|---|
| Army Corps of Engineers           | County of Napa GIS                                    |
| Sonoma Ecology Center             | California Coastal Conservancy                        |
| Sonoma County Water Agency        | Russian River Watershed Council                       |
| San Francisco Estuary Institute   | Sonoma County Ag. Preservation & Open Space District  |
| MIG, Inc.                         | Bodega Marine Lab                                     |
| Institute for Fisheries Resources | Napa Co. Watershed Information Center and Conservancy |
| San Francisco Bay Joint Venture   | Commonwealth Ocean Policy Program                     |
| Marin Audubon Society             |   |
| Urban Growth Council              |   |

news

North Bay Watershed Network  
2006-03-14  
More news...

upcoming events

CalEDLN & Northbay Commons Sprint #1  
Davis, TBA,  
2006-07-10  
Upcoming events...

navigation

- Home
- Calendar
- Northbay Data Catalog
- Governance
- Content Development
- Technical Development
- Standards

related links

- Project GForge Site
- CalEDLN
- GNU GPL

# The Cal-IPC Weed Data Catalog

<http://ceres.ca.gov/catalog/BrowseCatalog.epl?id=1079>

The California Environmental Information Catalog

Quick Search:  
  
go  
[Advanced Search](#)

**Catalog Description**

## Cal-IPC Weed Data Catalog

### Catalog Detail

**Catalog Name:** Cal-IPC Weed Data Catalog

**Organization:** California Invasive Plant Council


**Organization URL:** <http://www.cal-ipc.org>

**Catalog Description:** The Cal-IPC Weed Data Catalog is a collection of spatial data, reports, and other resources describing California's invasive plants, their known distribution, eradication methods, and scientific information.

**Created By:** [Deanne DiPietro](#)

**Last Updated:** 20050915182744

### Datasets |

 [Sonoma Watershed Arundo locations](#)

## Catalog Search Results

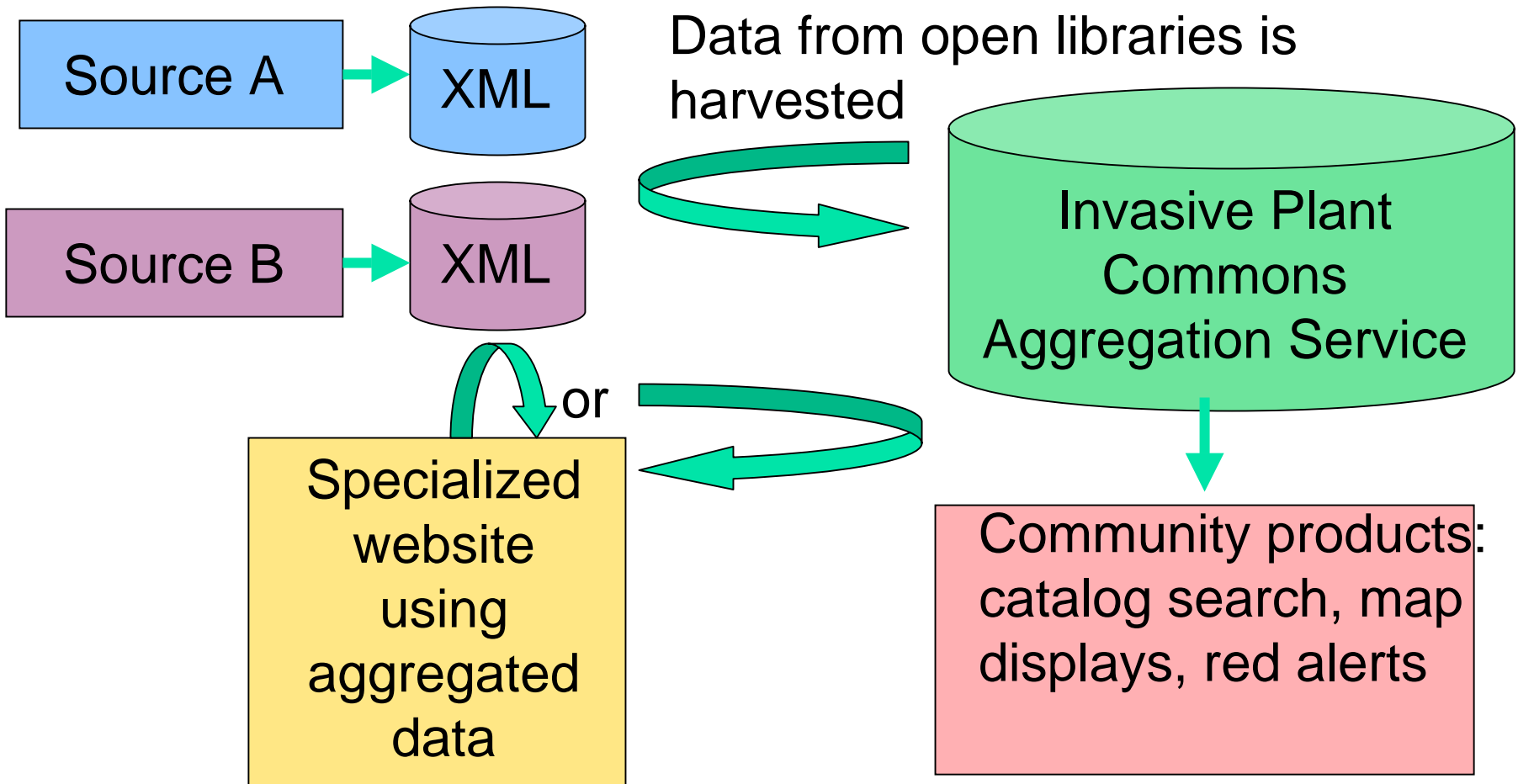
theme of: 'Invasive plants','Non-native plants'

[Refine Search Criteria](#)

21 matching records

Catalog	Resource Title
<a href="#">Cal-IPC Weed Data Catalog</a>	<a href="#">Sonoma Watershed Arundo locations</a>
<a href="#">California Department of Fish and Game</a>	<a href="#">California Department of Fish and Game Web Site</a>
	<a href="#">California Department of Fish and Game Web Site---Modify</a>
<a href="#">California Department of Food and Agriculture</a>	<a href="#">CDFA noxious weed encycloweedia</a>
<a href="#">David Magney Environmental Consulting</a>	<a href="#">Arundo donax - Ventura River</a>
<a href="#">GIS Data Holdings</a>	<a href="#">Information Center for the Environment Website</a>
<a href="#">Hedrick Reserve Natural Area</a>	<a href="#">Vegetation Eradication Candidates</a>
	<a href="#">Vegetation Classes with Non-native Plant Densities</a>
<a href="#">IABIN Weed Data Resource Catalog</a>	<a href="#">Global Invasive Species Programme</a>
	<a href="#">Wildlands Invasive Species Program</a>
	<a href="#">US Fish &amp; Wildlife Service Invasive Species Program</a>
	<a href="#">Big Island Invasive Species Committee (BIISC)</a>
	<a href="#">INVADERS Database System</a>
<a href="#">Santa Monica Bay Restoration Project</a>	<a href="#">Summary of the Bay Restoration Plan</a>
<a href="#">Team Arundo del Norte Catalog</a>	<a href="#">Team Arundo Email Listserve</a>
	<a href="#">Team Arundo del Norte Website</a>
	<a href="#">Riparian Weed Bibliography</a>
	<a href="#">Control of Giant Cane in Northern and Central California</a>
<a href="#">Topanga Canyon Boulevard Narrows Roadway and Tunnel PSR</a>	<a href="#">Topanga Creek Watershed and Lagoon Restoration Feasibility Study</a>

# CaEDLN: Live integration of data from its source





# Where to begin?

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- Decide to collaborate to share data
- Agree on data exchange standards
- Export data to open archives
- Build shared systems