

# **pycsw Workshop**

**version 1.4**

**The pycsw Team**

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# pycsw Workshop

Welcome to the pycsw workshop. This workshop is a hands-on workshop that will give you an introduction to the popular [pycsw](#) metadata publishing software.

## **Note**

The workshop instructions are also available as a single [PDF document](#) 📄

## Background

### *History*

(high-level history of how/why pycsw was created...use IRC discussions)

### *Acknowledgements*

The initial pycsw workshop materials were created through funding provided by the [Oregon Coastal Management Program](#), through an FGDC CAP grant, in 2013.

### *Assumptions*

### *License*

### Requirements

(OSGeo-Live VM setup instructions)

## Metadata Background

### *Types*

### *History*

## OGC CSW Specification

### *Purpose*

### *Example Requests*

## Introduction to pycsw

Contents:

## **Goals**

## **Features**

## **Use Cases**

## **Installing**

## **Configuring**

## **Exercises**

## **Advanced pycsw**

Contents:

### **Harvesting**

### **Exporting**

### **Tips and Tricks**

### **Community**

### **Exercises**

## **pycsw and Open Data**

- pycsw is embedded in various Open Data portal software
- metadata editing / management done with portal
- portal exposes CSW service automagically
- easy integration into existing apps/workflows

Contents:

### **GeoNode**

- Open Source Geospatial Content Management System
  - geospatial data / metadata management
  - interactive mapping
  - collaboration
- pycsw enabled out of the box
  - embedded CSW

### **Open Data Catalog**

## pycsw Future Development

- [Code for America](#) app
- open data publishing
- pycsw enabled out of the box
  - CSW embedded

## pycsw Future Development

- CKAN integration
- native spatial databases
- backends (GeoCouch)
- PostgreSQL full text search (FTS)
- enhanced harvesting / additional formats / APIs
- search engine libraries
- CSW 3.0