



Contribution ID: 39

Type: **Workshop**

## Better INSPIRE Code lists with ACE: A mini-challenge

### TITLE DETAILS

Workshop title: Better INSPIRE Code lists with ACE: A mini-challenge

Workshop length: 90 Minutes

Workshop type: Tutorial/ Challenge

Expected number participants: 25 - 40

### WORKSHOP FACILITATOR DETAILS

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### WORKSHOP DESCRIPTION INCLUDING LEARNING OBJECTIVES

Well-defined semantics contribute substantially to interoperable data. In INSPIRE and many other international standards, code lists and taxonomies are used to classify features, according to a wide range of classification systems. However, there are also areas where no code lists have been provided, or where existing code lists lead to substantial classification mismatches, e.g. due to overgeneralisation.

Due to the central role that high-quality code lists and taxonomies play in the harmonisation of data, we developed the Aristotelian Class Editor (ACE). ACE is an open-access taxonomy construction tool. ACE can be very helpful for INSPIRE implementers who are working on data specifications with empty code lists or code lists that do not have the granularity need for their application.

This workshop will go through the basic concepts that underly the ACE software, and will provide the hands-on skills needed to create better code lists

The Learning Objectives of the workshop are to:

- Understand the importance of hierarchical and multi-hierarchical classifications (code lists) within INSPIRE.
- Understand the difference between partonomies (part of relationships) and taxonomies (type of relationship).
- Know how to build logically consistent code lists using ACE

In addition to background information and a hands-on tutorial the workshop will challenge attendees to build their own code lists using ACE and present their work during the workshop.

### INSTRUCTIONS FOR PARTICIPANTS

A laptop is recommended for participation in the mini-challenge. Participants can familiarize themselves with ACE by watching the following video [https://www.youtube.com/watch?v=ANy\\_zCzvE8w&t=23s](https://www.youtube.com/watch?v=ANy_zCzvE8w&t=23s) and accessing ACE at [ace.minervaintelligence.com](http://ace.minervaintelligence.com)

Participants are encouraged to bring their own code-lists to be structured and edited.

### DETAILED WORKSHOP AGENDA

#### Timeline

10 minutes: Introduction and history of ACE

A short presentation describing the History of the Aristotelian Class Editor, its purpose and its relationship with INSPIRE.

10 minutes: ACE Example and re3gistry use-case

An Example of ACE taxonomies and how they can be used in the context of INSPIRE applications. This section will also touch on INPIRE registries and the importance of code list interoperability.

30 minutes: ACE in-depth tutorial

This interactive segment of the agenda will walk through the process of creating a new, logically consistent codelist in ACE as well as how to restructure or extend INSPIRE code lists.

30 minutes: Code list construction mini-challenge

During this time workshop participants will have an opportunity to build their own code list or edit an existing INSPIRE codelist using ACE.

10 minutes: Code list Presentations

Workshop participants will present their code lists

## **Sub-category**

2.10 Tools: Data models - transformation

## **IJSDIR**

No, I will not submit an article to IJSDIR

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**Track Classification:** 2: Digital solutions