How to model Roles in the CIDOC-CRM RDF encoding
CIDOC-CRM definition for roles

E7 Activity

P14 carried out by (performed)
P14.1 in the role of

E39 Actor

E55 Type
Solution 1: Specializing P14 carried out by for each role suitable if we know a priory all the possible values

E7 Activity
http://www.ics.forth.gr/Activity/2013HeraklionCIDOC-CRM-SIGmeeting

P14.1.1 carried out by as researcher

E7 Activity

P14.1.2 carried out by as farmer

E39 Actor
http://www.ics.forth.gr/Actor/Doerr

P2 has type (is type of)

E55 Type
http://www.ics.forth.gr/Role/Researcher

E55 Type
http://www.ics.forth.gr/Role/Farmer
Solution 2: Introducing class **PC0 CRM_Property** and its subclass **PC14 carried out by** and properties **P01 has domain** and **P02 has range**
Solution 2: equivalence with CIDOC-CRM definition

E1 CRM_Entity
- P01 has domain (P01i is domain of)
- P02 has range (P02i is range of)

PC0 CRM_Property

E7 Activity
- http://www.ics.forth.gr/Activity/2013 HeraklionCIDOC-CRM-SIGmeeting
- P01 has domain

PC14 carried out by
- P14 carried out by (performed)
- P14.1 in the role of

E55 Type
- http://www.ics.forth.gr/Role/Researcher
- P14.1 in the role of

E39 Actor
- http://www.ics.forth.gr/Actor/Doerr
- P02 has range

equivalent to
Solution 3: Add a note to each Activity with the Person’s role does not require any extension of the model.

The Activity was carried out by Doerr in the role of Researcher.

The Activity was carried out by Doerr in the role of Farmer.