

# Principles for Modelling Ontologies: A Short Reference Guide

Parthenos / ICS-FORTH

This document is a first draft of an ontological modelling reference booklet designed to aid modellers developing or extending ontologies intended to support data integration for an empirical research domain

Editor: George Bruseker

Contributors: Francesco Beretta, Maria Daskalaki, Emiliano Degl’Innocenti, Martin Doerr, Øyvind Eide, Achille Felicetti, Anaïs Guillem, Dimitris Kafetzopoulos, Fahad Khan, Carlo Meghini, Nicola Spyrtatos, Maria Theodoridou, Athanasios Velios

Date of Creation: July, 2017

Last Update: September, 2017

Version 0.2

Acknowledgements: Parthenos, FORTH + more

## Table of Contents

<b>General Introduction</b>	<b>4</b>
Theoretical Background	5
<b>Process Model</b>	<b>10</b>
Phase A: Purpose Definition	11
Phase B: Ontology Constructs Definition	12
Phase C: Implementation and publishing	14
Mapping	14
<b>Principles Introduction</b>	<b>18</b>
<b>Glossary</b>	<b>20</b>
<b>Engineering from an Empirical Base</b>	<b>25</b>