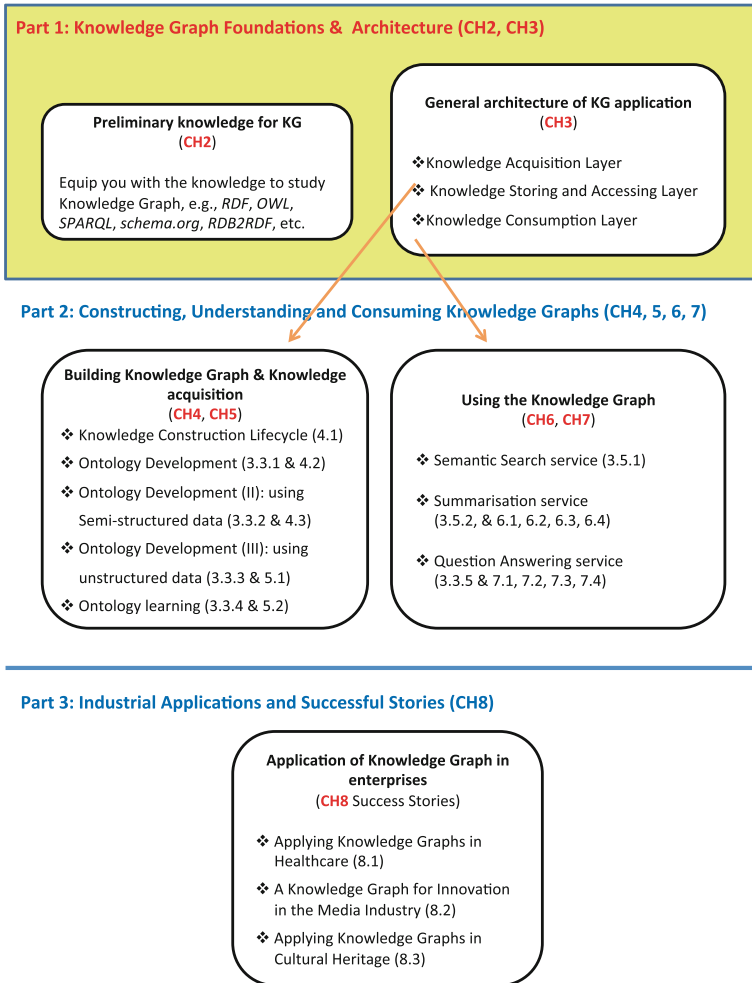


**Part I**  
**Knowledge Graph**  
**Foundations & Architecture**



**Fig. RoadMap. 1** The roadmap of Part I

In the first part of this book, first we introduce some basic background knowledge and technologies about building and using knowledge graphs. Then we present an ARA architecture in order to help you to understand the main phases and tasks required during the lifecycle of knowledge graphs.

For readers who are familiar with semantic technologies, e.g. *RDF, OWL, SPARQL, schema.org, RDB2RDF*, could jump directly to Section 2.4.

Part I contains the following chapters:

Chapter 2: Knowledge Graph Foundations

Chapter 3: Knowledge Architecture for Organisations