

# CV Objects and Subsystems

The [SV Community Roles](#) include five subsystem roles which support each of the phases of the data lifecycle. In this section, the models of those subsystems are developed further using computational viewpoint components. The five subsystems defined are:

- [CV Data Acquisition](#)
- [CV Data Curation](#)
- [CV Data Publishing](#)
- [CV Data Processing](#)
- [CV Data Use](#)



## Note

Before proceeding, the reader may wish to study the pages on [How to read the Model \(Computational Viewpoint\)](#) and [How to use the Model \(Computational Viewpoint\)](#).

## CV RI subsystems

«ENVRI System»  
CV Research Infrastructure System

«Subsystem»  
Data Acquisition

The part of the research infrastructure providing functionalities to automate the process of data acquisition

«Subsystem»  
Data Curation

The part of the research infrastructure which stores, manages and ensures access to all persistent data and metadata produced within the infrastructure.

«Subsystem»  
Data Publishing

The part of the research infrastructure enabling the discovery and retrieval of scientific data, metadata, and derived data products.

«Subsystem»  
Data Processing

The part of the research infrastructure providing services for data processing, including the generation of derived data products.

«Subsystem»  
Data Use

The part of the research infrastructure supporting the access of users to an infrastructure, managing and tracking user activities, and supporting users to conduct their roles in different communities.

Notation