**Issues on case study, Caravanserais:**

- **Location:** Along historical roads such as Silk Roads, specially Middle East, Central Asia
- **Function:** Punctuate Silk Roads at the interval of a one day trip between cities
- **Built to shelter men, goods and animals of caravans (group of passengers), on trade or pilgrimage roads**

**Characteristics:**

- Typological variety of Caravanserais

**The case study:**

Desert-out city Caravanserais in Iran

- Simple logical architecture
- Common conceptual schema between samples in specific typology

**Goals:**

- Better recognition of cultural heritages of Silk Road
- Management of Caravanserais in different fields:
  - Data and knowledge management
  - Management of function, usage
  - Conservation management

**Target:**

- Documentation and further annotation of data
- Semantic understanding of the data of caravanserais

**Method:**

- A multidisciplinary framework
- Information Technology
- Information System Management
- Domain expert

**Background:**

- Digital Silk Roads project, The Inventory of Caravanserais in Central Asia
- Part of: Ph.D. study of informatics

**NII, Japan**

**EAPVS, France**

**UNESCO**
Developing multilingual ontology for caravanserais

A case study of cultural heritages of Silk Roads

Systematic Recognition of components
Choosing a case study, a specific typology

A specification of a conceptualization, A declarative model of terms and relationships in a domain

Completing multilingual terminology
Using Thesauruses

Defining relationship links

Covering needs of multilingual users
Encouraging collaboration of SilkRoads multilingual experts over internet

Giving hierarchical structure to term-set
Present a visual model of terms according to the characteristics of components in the architectural relic

Enhance semantic access to data
Multilingual support (currently 9 languages)

ASPIDC-DSS

Digital Silk Roads
Multimedia DATA

Image Learning Ontology

User
Expert

usage
correction
specialization
collaboration

Direct access

Open House