



12<sup>th</sup> International FIG Workshop on LADM & 3D LA  
24-26 September 2024, Kuching, Malaysia

# The Governance of Semantic Resources for the FIG Community

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# Overview

1. **Introduction**
  2. Land-related **semantic resources**
  3. **Use** of semantic resources
  4. Embedding **CALATHE** within **AGROVOC** with **LANDVOC**
  5. **Conclusions** and Looking Ahead
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# 1. Introduction

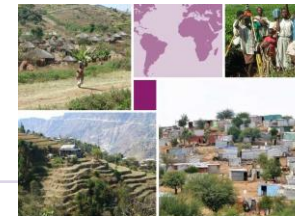
- What are **semantic** resources, **thesauri**, and **KOS**?
  - What is **LinkedData**
  - How do these constructs play out in **land administration**?
  - What is the relationship to **LADM**?
  - What do **LandVoc**, **CaLAThe**, and **AGROVOC** stand for?
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## 2. Land Related Semantic Resources

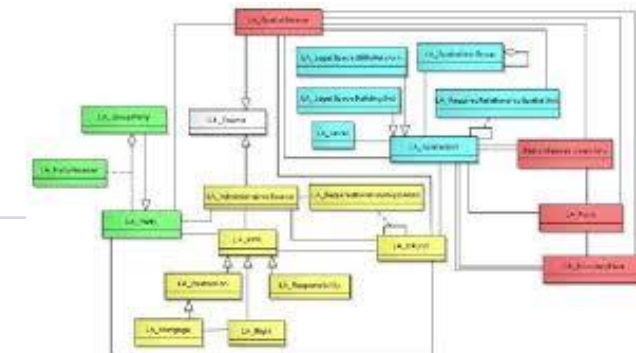
- What are this **land related thesauri**?
  - AGROVOC
  - LandVOC
  - CaLAtHe
- What are **FIG** sustained semantic resources?
  - OICRF
  - ISO19152-2012 LADM
  - FIG Standards Network
  - ReLATE/TERLA



LANDVOC

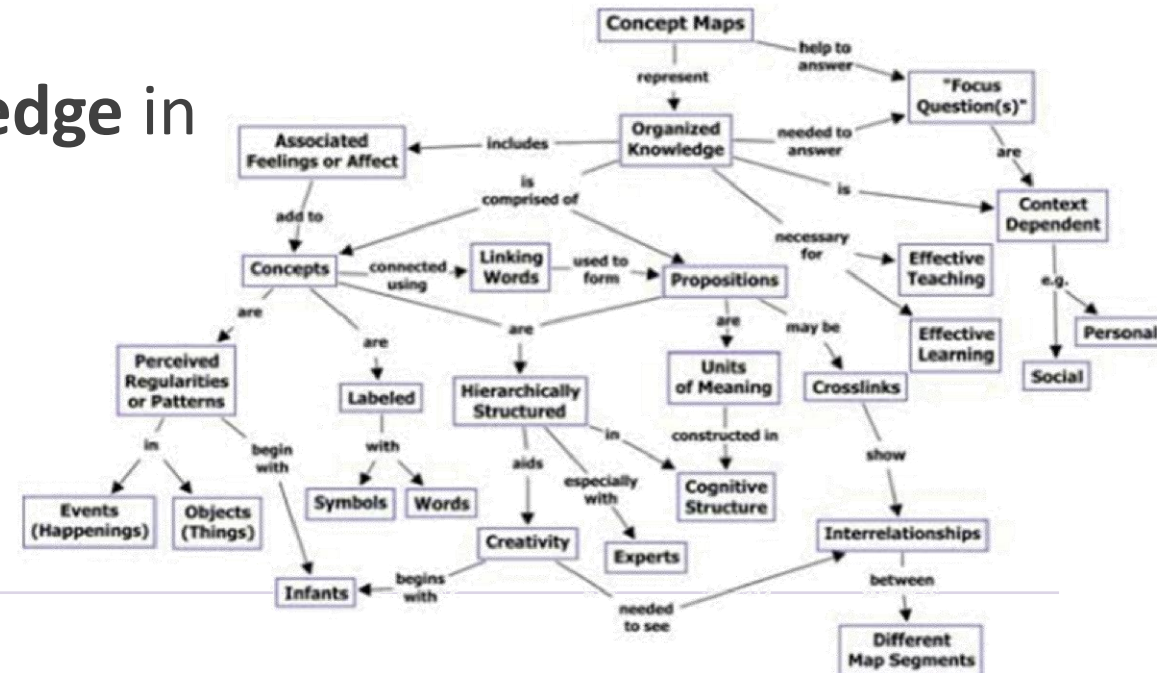


TEACHING ESSENTIALS FOR RESPONSIBLE LAND ADMINISTRATION  
 SUMMARY AND GUIDANCE FOR EDUCATION, RESEARCH, AND CAPACITY DEVELOPMENT



### 3. Use of Semantic Resources

- What is **concept mapping**?
- How do we structure **domain knowledge** in terms of **sub-schemes**?
- What does this mean for **land administration**?
- Is it **LANDVOC** versus **CaLAThe**?



**Figure 1.** A concept map showing key features of concept maps. Note: Reprinted from Machado and Carvalho (2020)

## 4. CALATHE + AGROVOC +LANDVOC

- Can we **combine**? Should we **embed**?
  - What role for **OICRF**?
  - What are **WG7.5 LA Education** doing?
  - What about **WG7.8 Comparative Cadastres**?
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## 5. Conclusion and Looking Ahead


- The CaLAtHe, LandVoc, and AgroVoc situation **challenges the notion** of a single subscheme
  - As a domain, globally we need **flexibility** via **more subschemes**
  - The **debate** continues
  - Where to **host**? That challenges continues also.
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# 3D Land Administration

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Thanks.  
Questions

An aerial photograph showing a large area of land, likely a plantation or agricultural field, with rows of trees and a small body of water. The image is partially obscured by a dark blue overlay on the left side where the text is located.