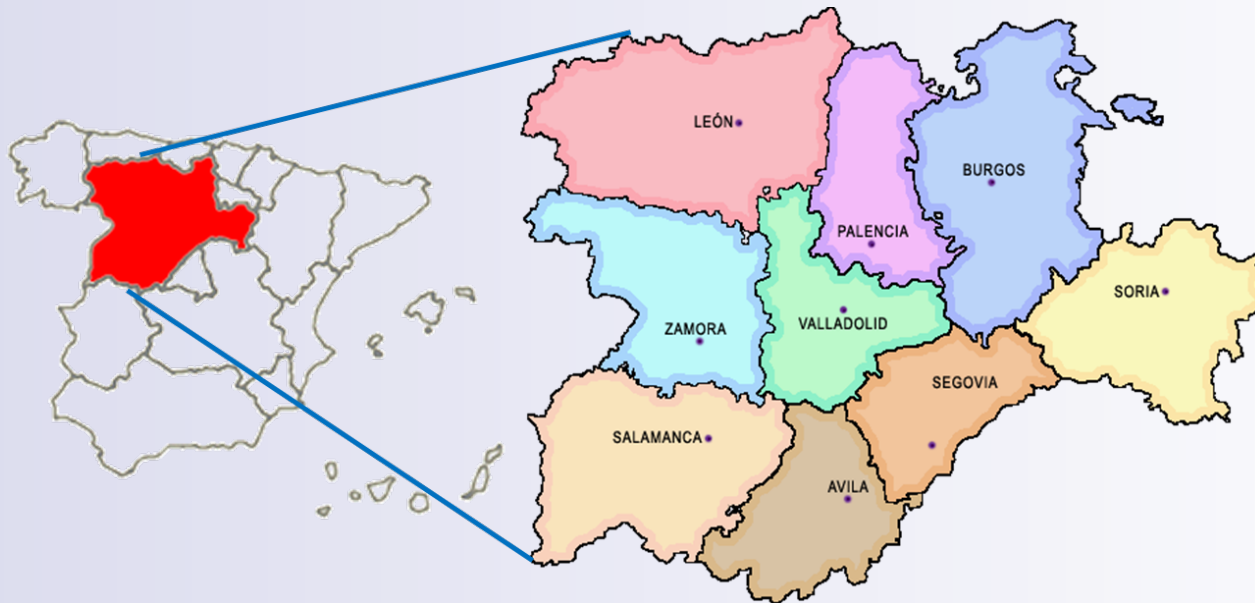


Clinical Terminology Governance

Experience Implementing a Clinical
Terminology Governance structure in a
RHIO

- Environment
- Clinical Terminology Governance
 - Purpose
 - Approach
 - Outcomes
 - Benefits
 - Lessons Learned
- References

Castilla y León Region



Facts & Figures

Region

Extension: 94.226 Km²
Population: 2.563.521
Population density: 27,2 / Km²
Rural area density: 15 / Km²
Local Governments < 1.000 inhabitants: 88%
Ageing : 22,6 % >64 years old (16,9% Spain)
Life Expectancy : 82,82 years

Healthcare
Facilities

11 Health Areas,
14 Hospitals,
247 Primary Care Centers,
3.652 Local surgeries ,
140 Emergency Mobile Units

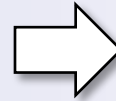
- BITAC Clinical terminology company
- Provides strategic consultancy related to semantic interoperability
- Mapping and implementation services
- CAC Tools for automatic mapping of ICD10, LOINC and SNOMED CT in near future

- Promoting the use of standards in HISS
- Centralized Terminological resources in RHIO
- Common methodology in procedures related to Clinical Terminology



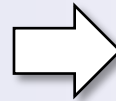
Expected outcomes

- Terminologies in use



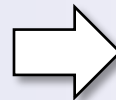
Standard-Terminological Map

- Decentralized Terminological resources



Clinical Terminology Server

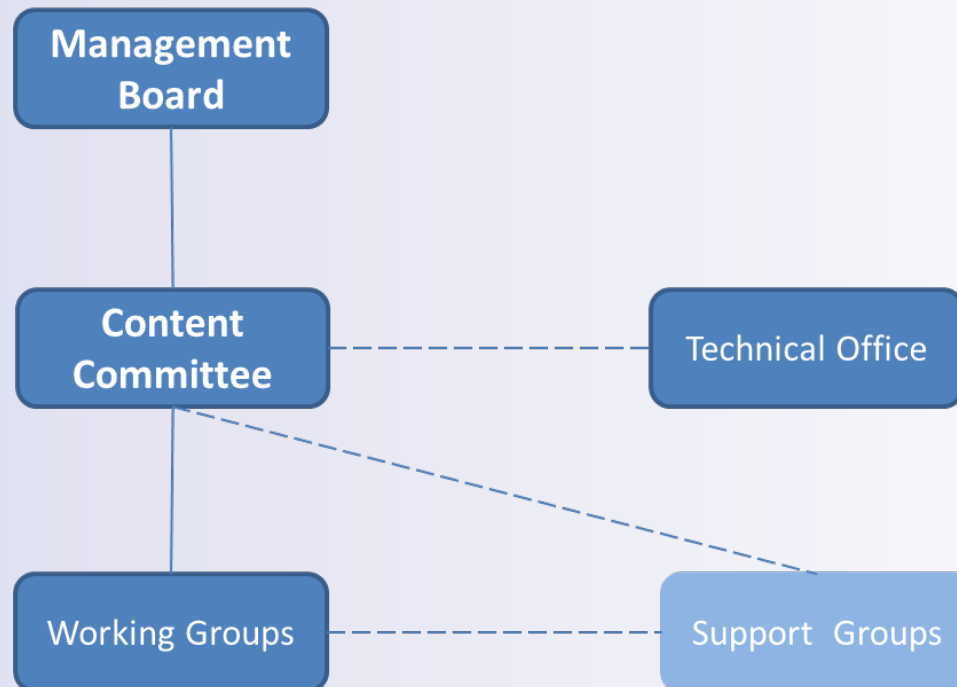
- Lack of uniformity in procedures



Terminology Map Procedures

Governance

Governance Model



Governance Model

Management
Board

- Define strategic lines , implementation plan and roadmap of actions
- Provide security /accessibility to semantic resources
- Marketing and training in the usage of standards
- Engaging all the stakeholders in the process
- Prestablished Communication channel with the NRC

Governance Model

Content
Committee

- Identify working scenarios
- Define working guidelines and priorities
- Designation of Clinical Domain Expert committees
- Quality of terminological resources
 - Define methodology
 - Validation of terminological resources

Governance Model

Working Groups

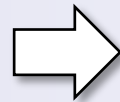
- Analysis of Requirements
- Technical development and documentation
- Evaluation of contents
- Content validation
- Administrative tasks

Technical Office

- SNOMED CT Extension management- WF for editing new terms
- Access permission
- Loading of terminologies
- Updates /Synchronization
- Mappings
- Documentation
- Communication with external IT systems

Outcomes

- Terminologies in use



Standard-Terminological Map

State of the art

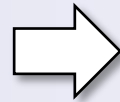
- Terminology map “now”
- Terminology map “goal”

ID	CATEGORÍA	DESCRIPCIÓN	DOMINIO	Actual		Recomendado		EVIDENCIA
				Terminología	USO	De SNOMED CT	Mapa	
1	ALERGIAS	Alergias	Atención primaria	PROPIA	CEL_3_MC	SNOMED_CT	Mapa	SNOMED_CT
2	ALERGIAS	Alergias	Sistemas de soporte diagnóstico-terapéutico	NO DEFINICIÓN		SNOMED_CT	A valor por CE (E)	NO DEFINICIÓN
3	ANEMIAS	Anemias Fisiológicas	Sistemas de soporte diagnóstico-terapéutico	NO DEFINICIÓN		SNOMED_CT	Reservado Concept	
4	ARTRITIS	Artritis	Atención primaria	PROPIA	CEL_3_MC	SNOMED_CT		
5	ARTRITIS	Artritis	Atención primaria	PROPIA		SNOMED_CT	Situación con contenido específico	
6	ASMA	Asma	Atención primaria	PROPIA		SNOMED_CT		
7	ASMA	Asma	Atención primaria	PROPIA		SNOMED_CT		
8	ASMA	Asma	Atención primaria	PROPIA		SNOMED_CT		
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79	ASMA	Asma	Atención primaria	PROPIA		SNOMED_CT		
80	ASMA	Asma	Atención primaria	PROPIA		SNOMED_CT		

SNOMED CT as reference vocabulary

Outcomes

■ Decentralized Terminological Resources



Clinical Terminology Server

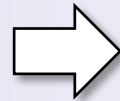
Terminology Server Implementation

- **Central Repository:**
- **Integration**
- **Administration**

- Standard Terminologies SNOMED CT
- Other standards (ICD10, LOINC, NANDA, NIC, NOC, ...)
- Local terminologies
- Mappings between local and standard terminologies
- WEB SERVICES communication
- Synchronization between systems
- Management of terminologies, classifications and local terminologies
- Publication of resources, editing
- Versioning and updates

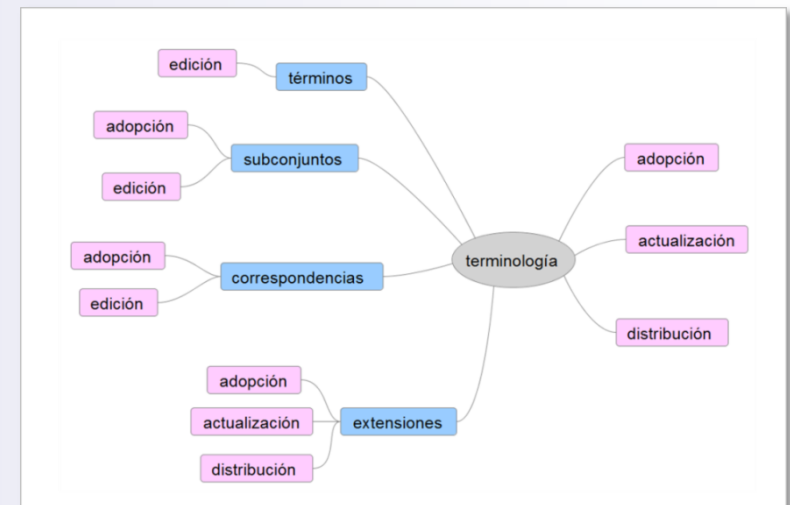
Outcomes

- Lack of uniformity in procedures



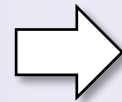
Terminology Map Procedures

CONTENIDO	PROCESO
Terminologías	Adopción
	Actualización
	Distribución
Términos	Edición
Subconjuntos	Adopción
	Edición
Correspondencias	Adopción
	Edición
Extensiones	Adopción
	Actualización
	Distribución



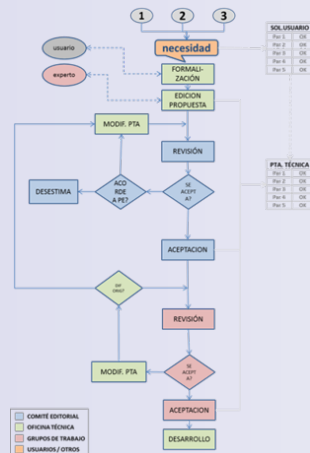
Outcomes

- Lack of uniformity in procedures

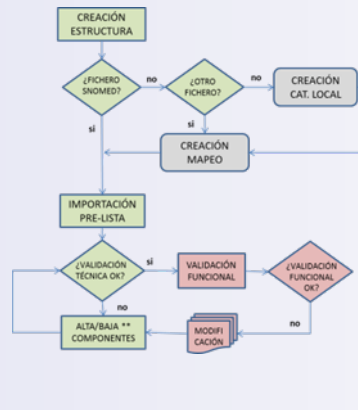


Terminology Map Procedures

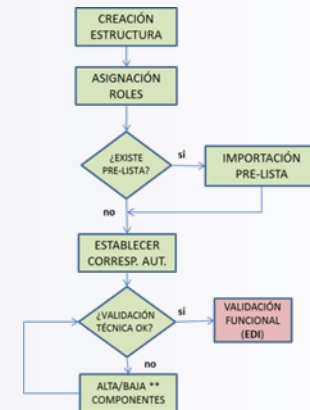
General



Subsets



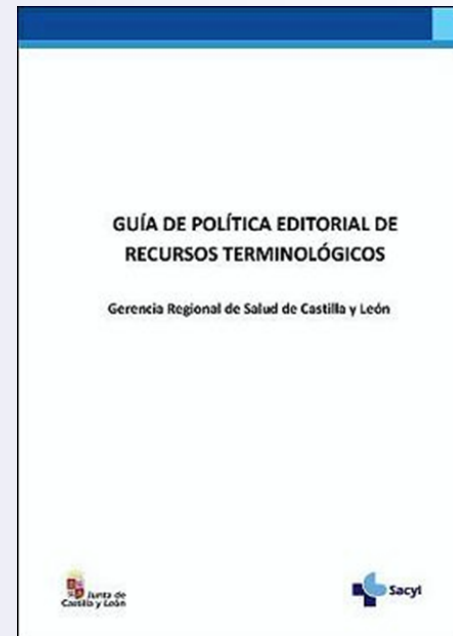
Maps



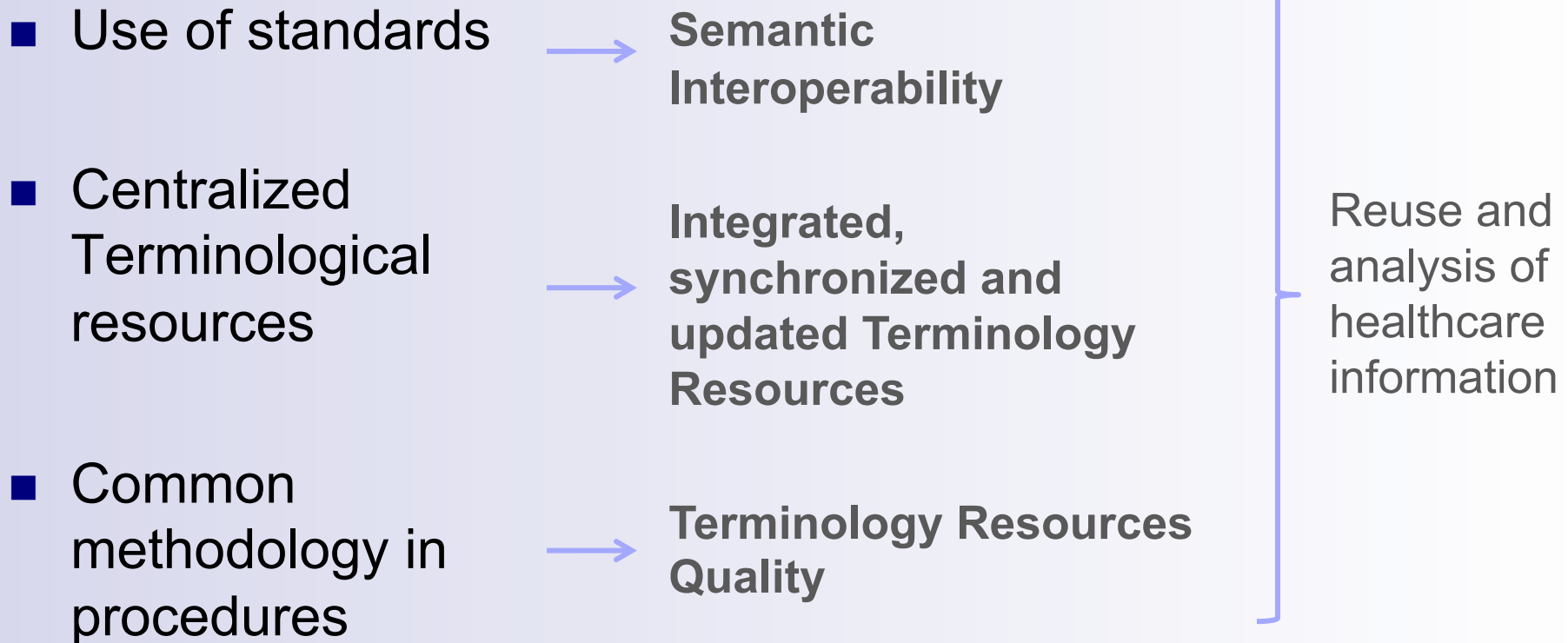
Outcomes

- Editorial Policy Guideline 

Common methodology in procedures related to Clinical Terminology



bit.ly/1DVXXwZ



- Governance is the key
- Long term vision is essential
- The prize is worth the effort



Thank you