Creating the Uruguayan National Extension of SNOMED CT

SNOMED-CT EXPO
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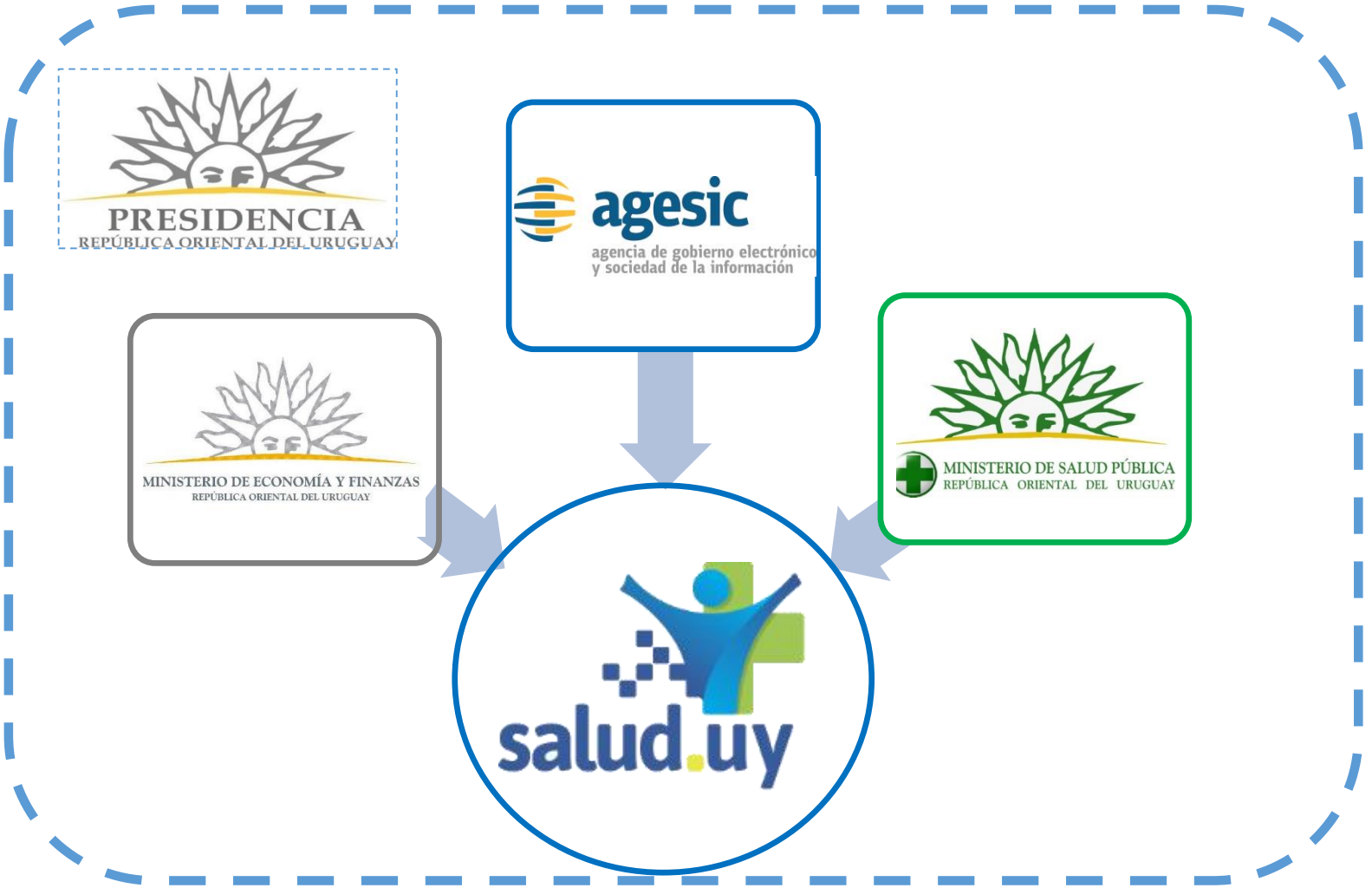
SUSTAINED

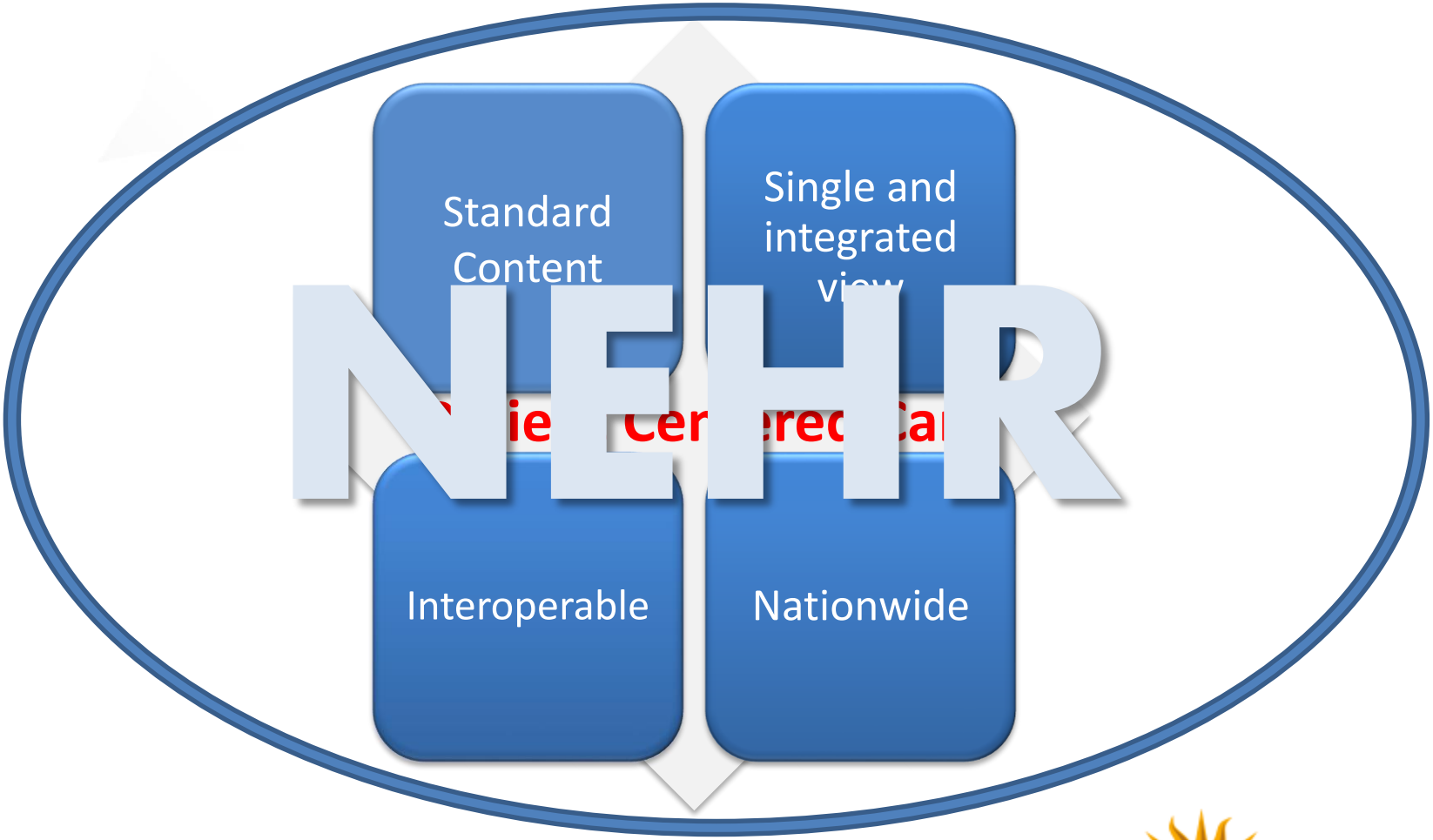
MULTISTAKEHOLDER

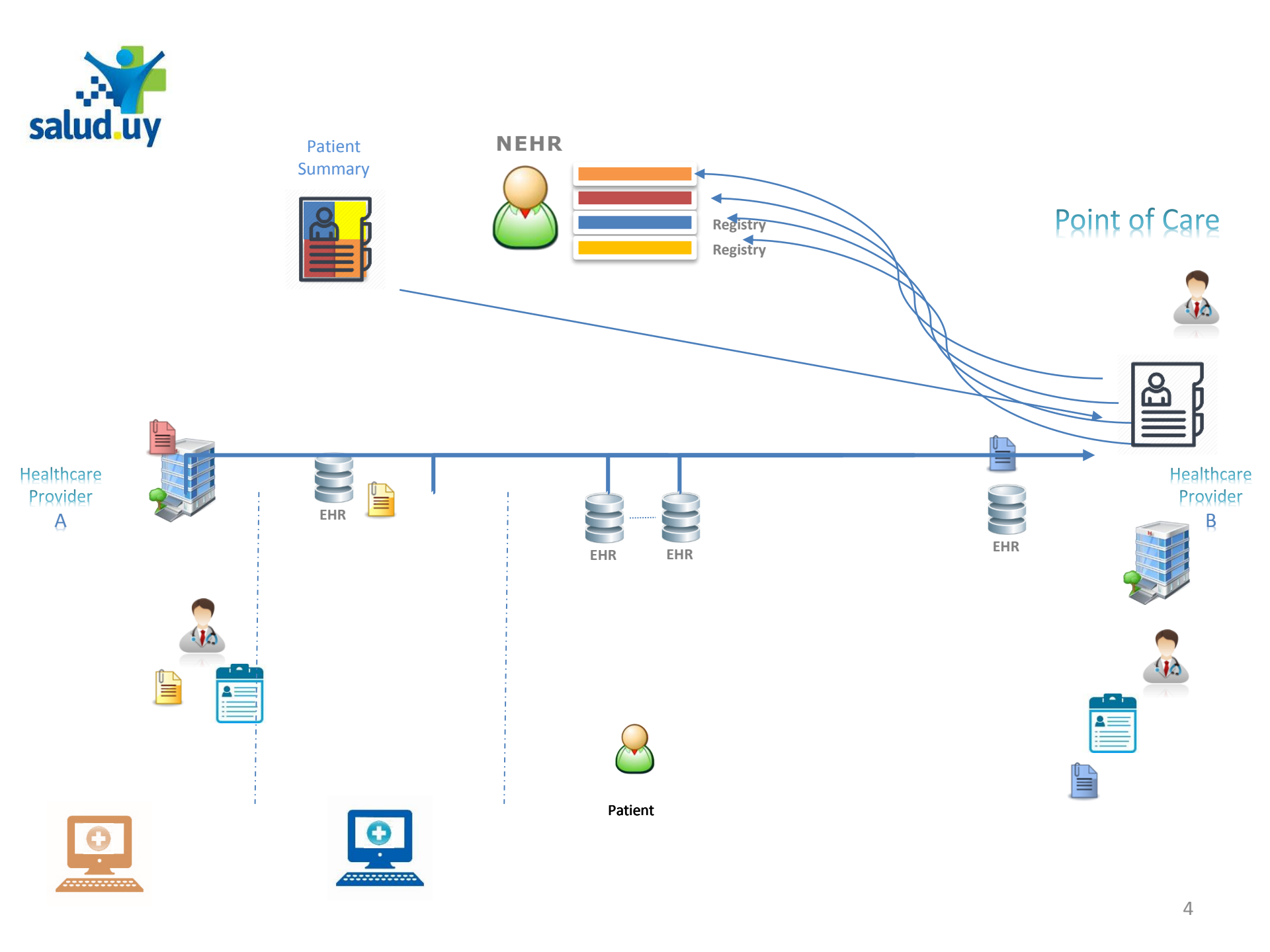
MESURABLE



The Uruguayan e-health governance initiative

National Electronic Health Record (NEHR)




Patient
Summary
NEHR
Registry
Registry
Point of Care
Healthcare
Provider
A
EHR
EHR
EHR
EHR
Healthcare
Provider
B
Patient

Goals

- Continuity of care
- Contribute to improving the quality of healthcare
- Access to quality clinical information
- Collaborative Healthcare Network

Main Target

National EHR:
Unified model and nationwide interoperability

2018

Why SNOMED CT in Uruguay?

- Need to codify clinical information
- To be done at the point of care
- Physicians don't like to be restricted to structured terms

SNOMED CT is the clinical terminology closest to medical reasoning

Uruguay has been a member country of IHTSDO since **2012**.

Expected outcomes

Binding Natural Language Processing (NLP) and SNOMED CT browsing => automatic coding

Coding clinical information in SNOMED CT is an optimal resource for research, evaluation, building health policies and supporting patient safety

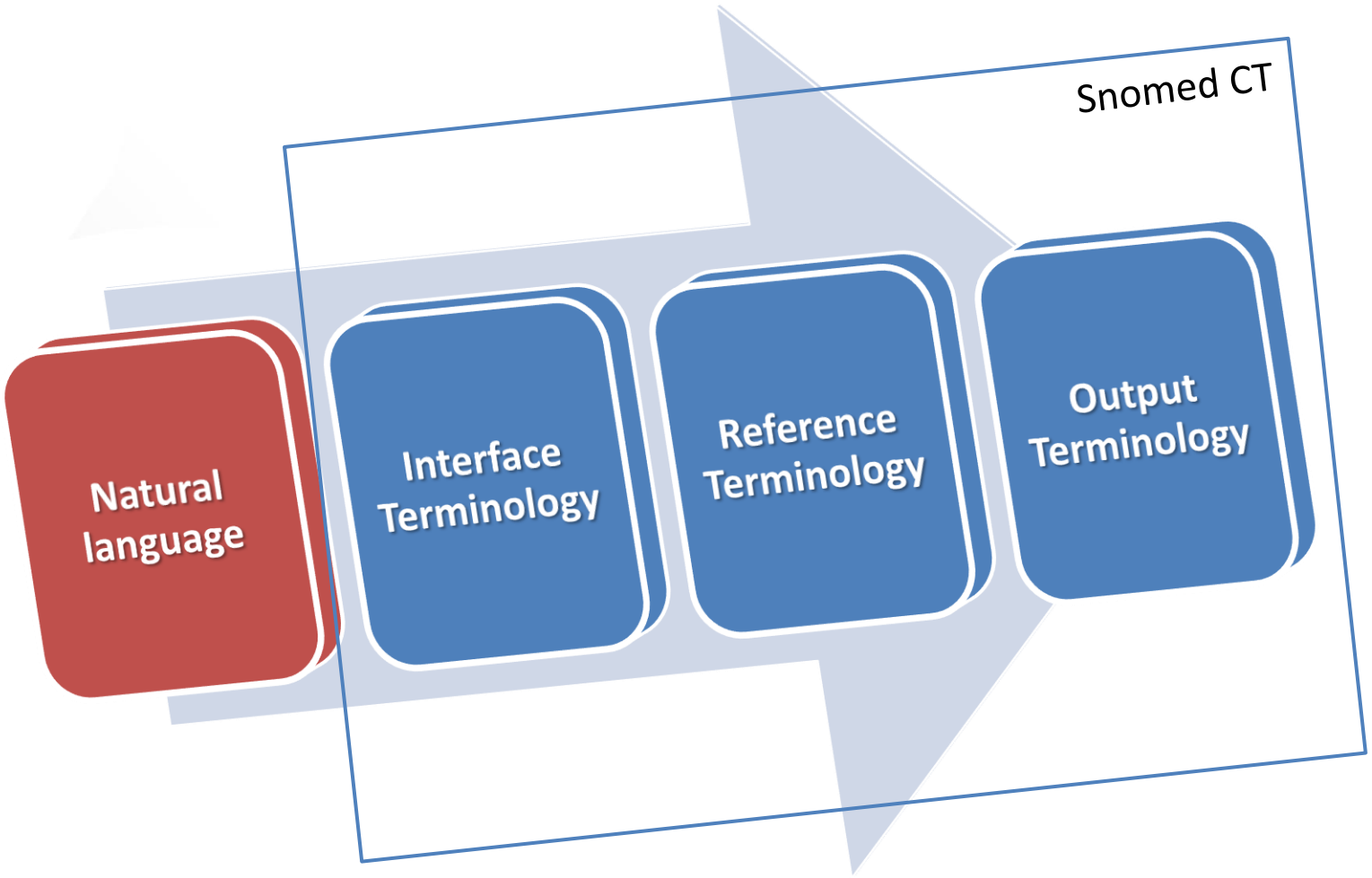
Codification is the main barrier for SNOMED CT adoption

(… at least in our region)

Our Strategy

Use of terminology services for background coding.

Our Strategy



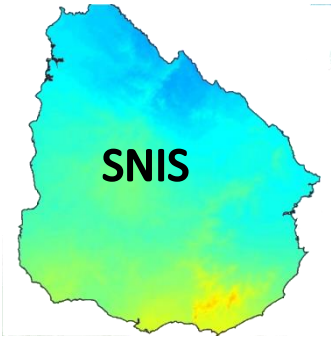
Fuente: Hospital Italiano de Buenos Aires

eHealth Services
Center
NRC

The Uruguayan National Release Center

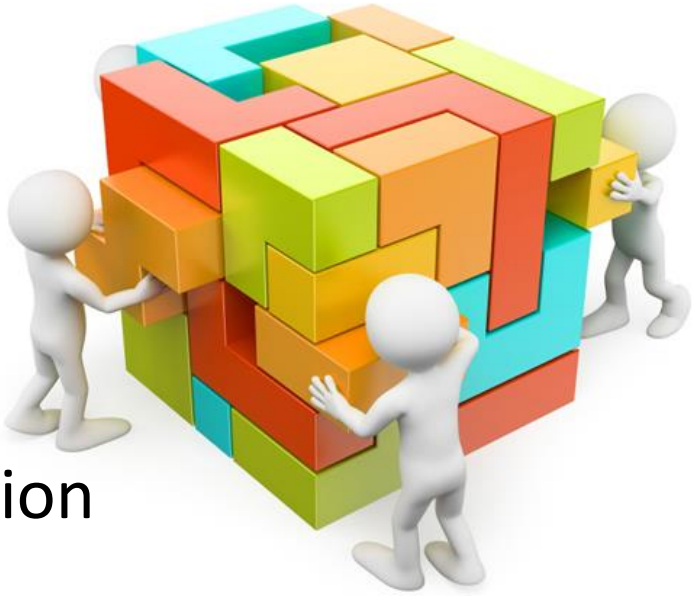
IHTSDO

NRC Role



Uruguayan National Edition of SNOMED CT

What is it?



It is the sum of:

- International edition
- International Spanish translation
- Uruguayan National Extension
  - » new synonyms
  - » new concepts
  - » new reference sets

Where do I apply for SNOMED CT?

Application → **Signature** → **Delivery**

https://mlds.ihtsdotools.org/uy

25% of the major healthcare organization already have a SNOMED CT license.

agesic
agencia de gobierno electrónico y sociedad de la información

MINISTERIO DE SALUD PÚBLICA

MINISTERIO DE ECONOMÍA Y FINANZAS
REPÚBLICA ORIENTAL DEL URUGUAY

PRESIDENCIA
REPÚBLICA ORIENTAL DEL URUGUAY

Why using an extension?

- Because there are differences in:
  - Clinical disciplines and / or specialties
  - Scenarios where data are entered or collected
  - Cultural backgrounds

- An extension extends the effective range of SNOMED CT

Who works on the content of the Uruguayan National Extension of SNOMED CT?

- A multidisciplinary Terminology team:
  - Clinical terminology experts
  - Experts in the fields
  - External expert advisors

SNOMED CT Introduction Course for the country Affiliate Licensees

More than **200** people were trained

Planning the first release of the Uruguayan National Extension of SNOMED CT

Urugua… …ension Release Schedule

Activity	June	July					August
	22nd	3rd	10th	17th	22nd	30th	4th
End of information collection							
Closure date: Content is completed							
Pre-release development QA							
Release: Data are extracted							
Post-release: Manual steps are undertaken t… …nsolidate the release, such as inclusión of International Spa… …ions with previous versions, etc.							
Release files QA							
Beta release: The beta release for affiliates is pu…							
Feedback period							
Feedback closure: Issues no longer can be reported beyond … date							
Feedback processing: Feedback is reviewed and answered a… … required changes are made.							
Official Release							

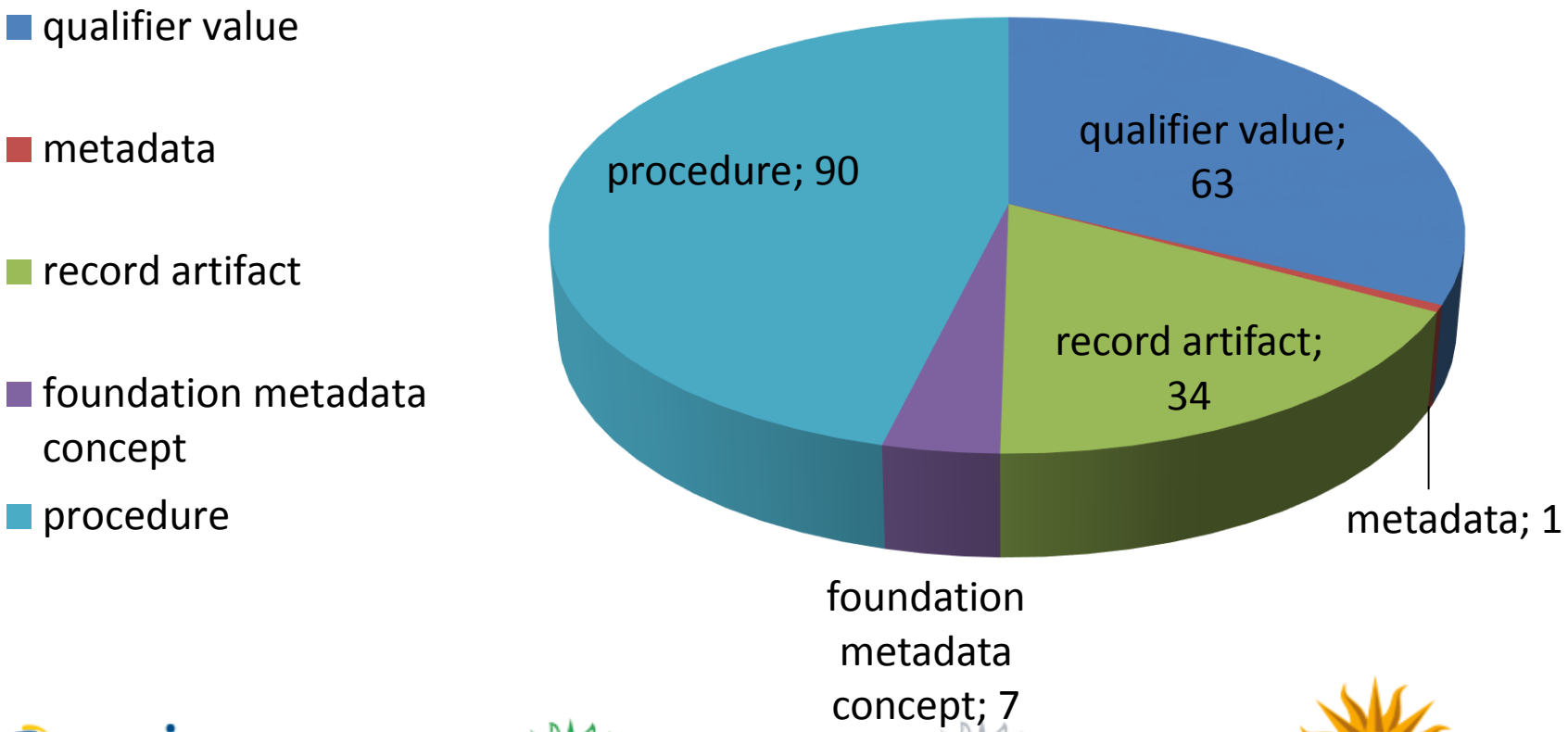
The first release of the Uruguayan National Extension of SNOMED CT

What does it contain?

1. Imaging procedures reference set.
2. Document types reference sets.

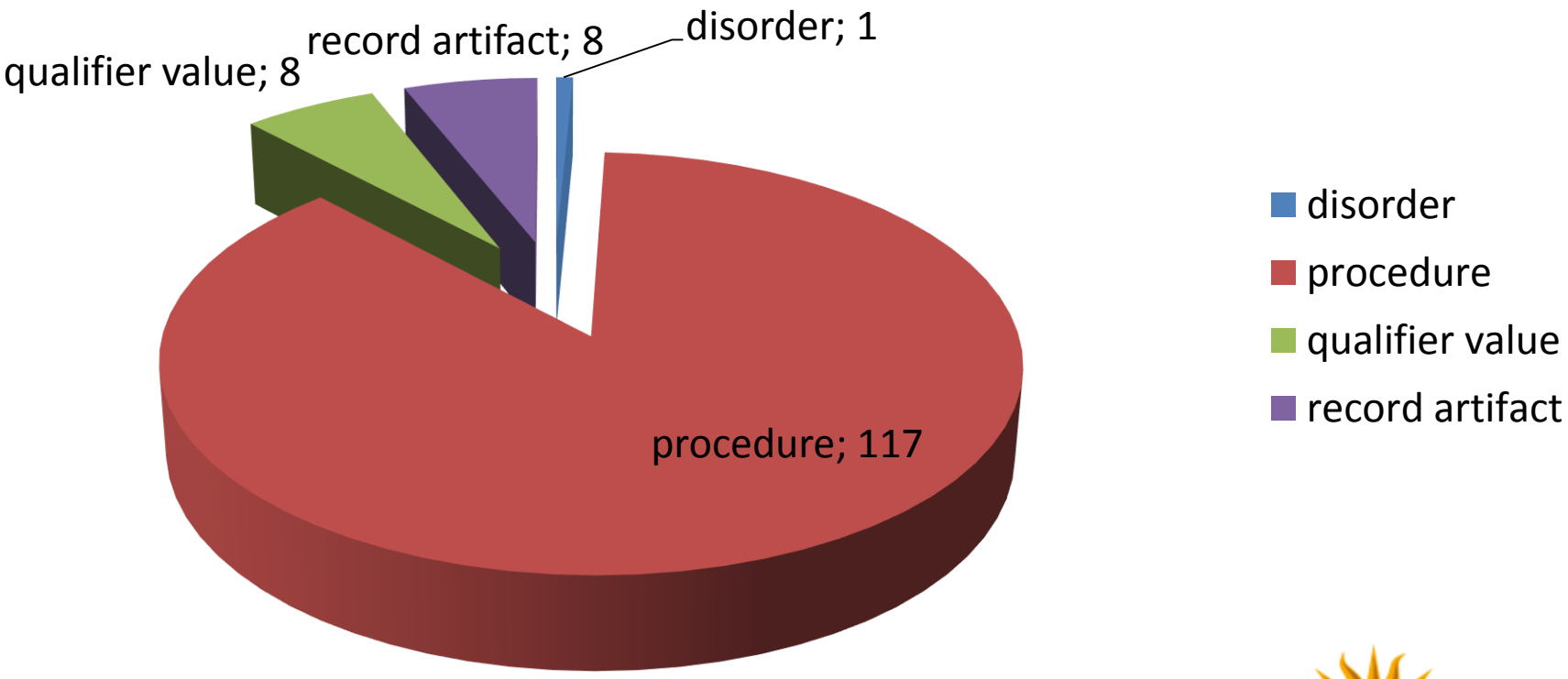
Concepts created in the Extension, grouped by hierarchy

- **195** New concepts



Synonyms created in the Extension, grouped by hierarchy

- **134** descriptions added to international concepts



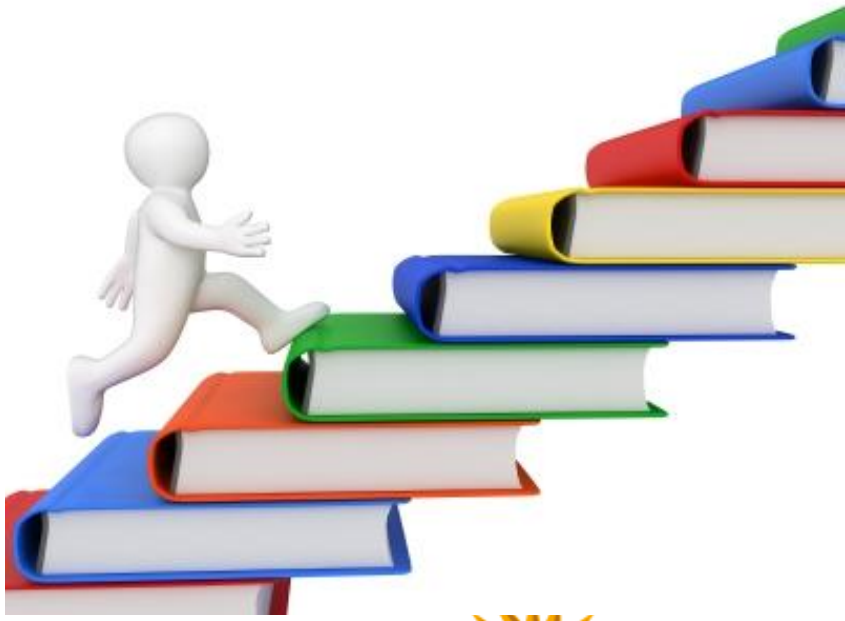
Relevant facts

10 equivalences were identified upon the release of SNOMED CT new International Edition (July 2015)

25 % synonyms were needed in the first imaging procedures reference set.

Plans for the continuous development of the National Extension

- October 2015: Start preparing the next release.
- New subsets will include
  - Specialties
  - Drugs



Thank you!
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