



Collaborating Centre  
for Epidemiology, Training  
and Control of Emerging  
Avian Diseases



# Requirement analysis process

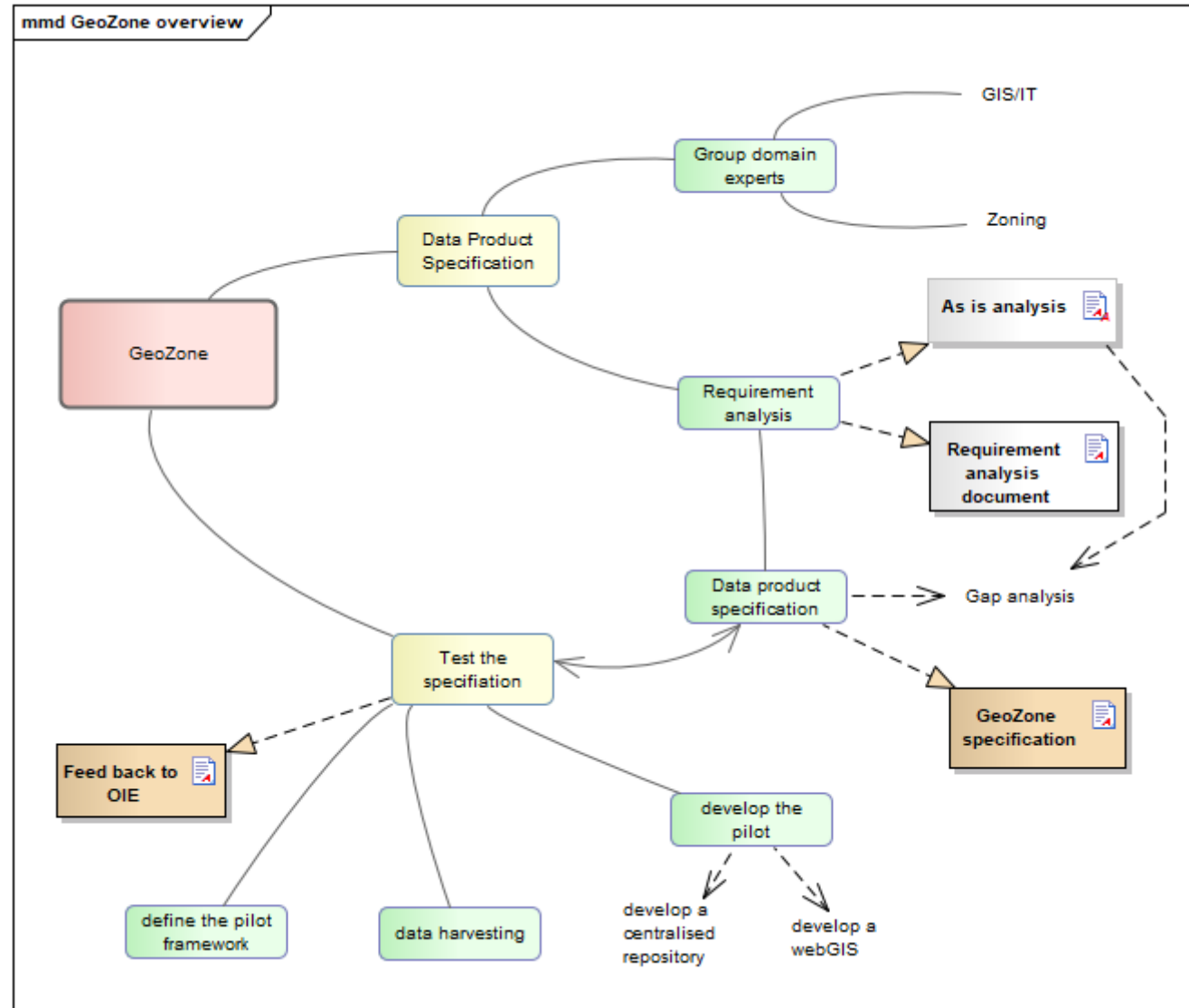
Outline of the Collaborating Centre activities

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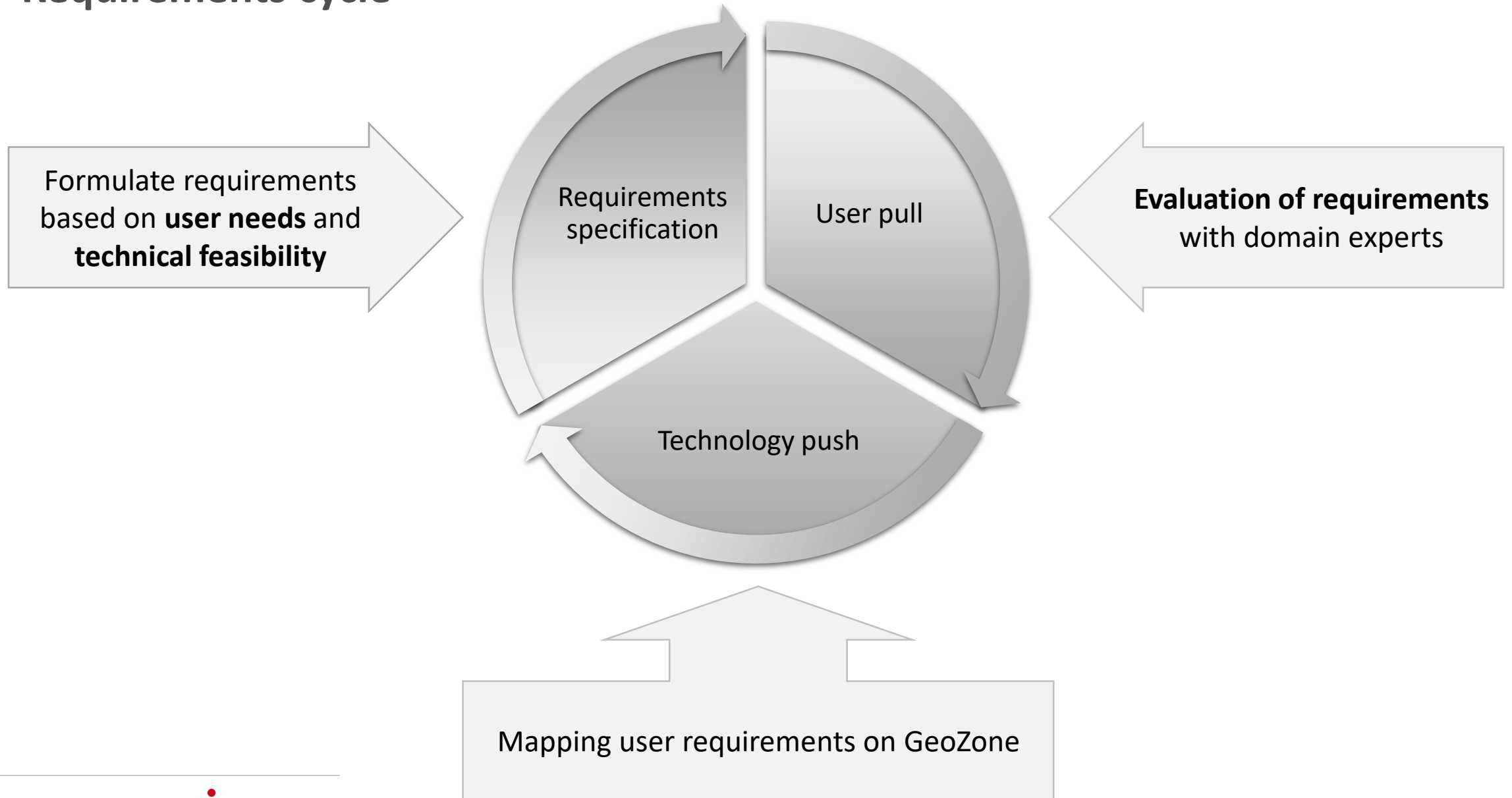
*Istituto Zooprofilattico Sperimentale delle Venezie*



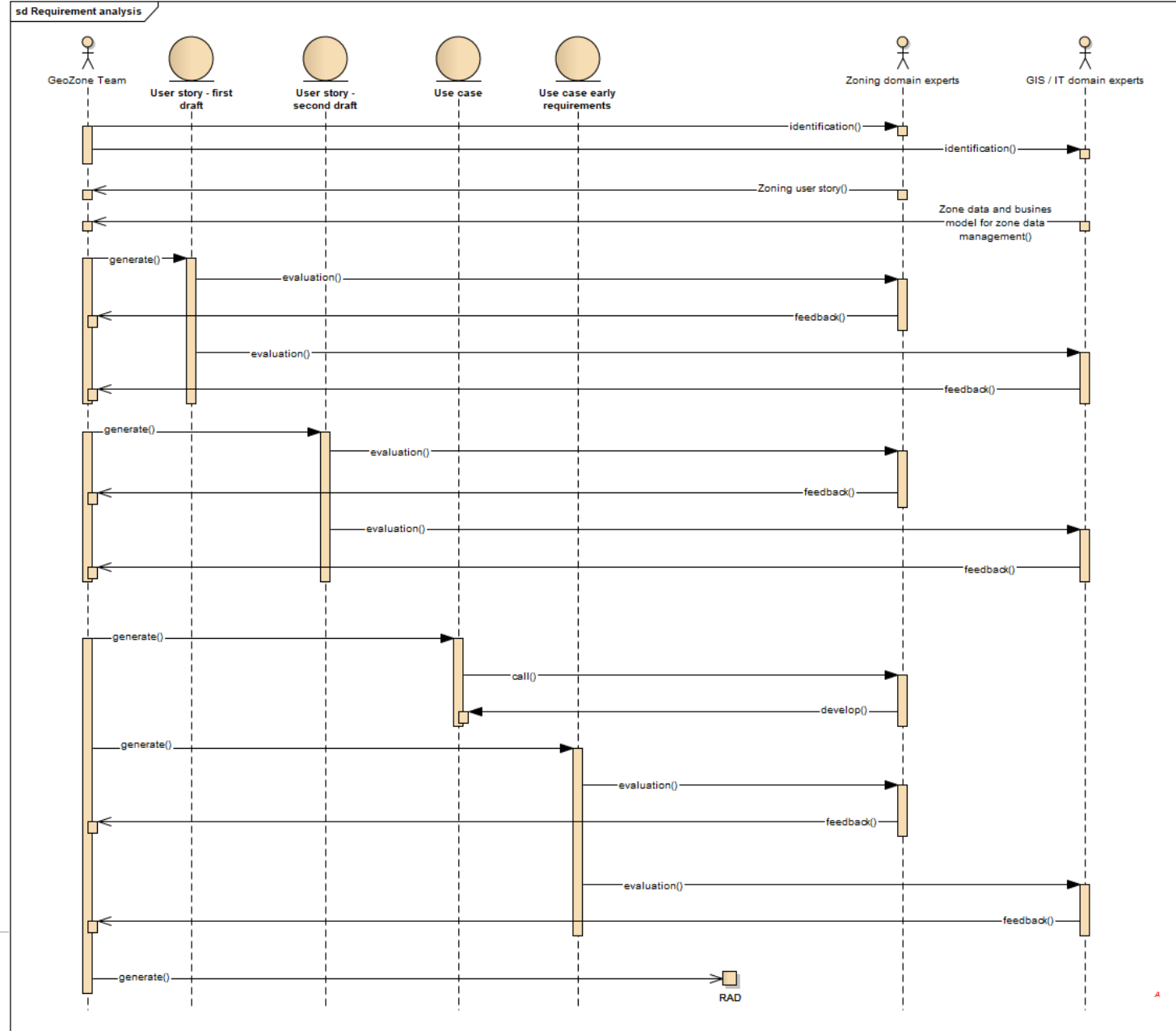
# GeoZone overview



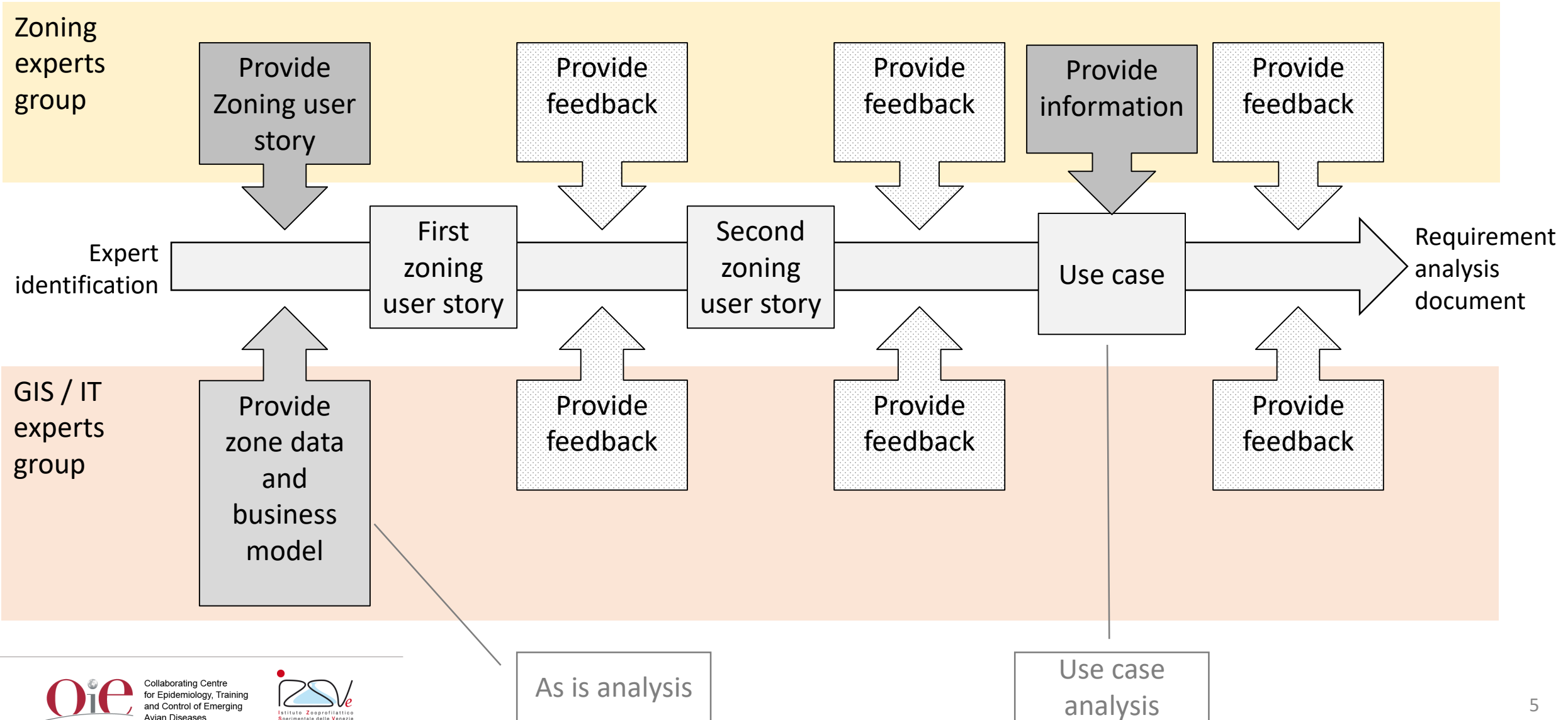
# Requirements cycle



# Requirement analysis – sequence diagram



# First term CC activities - overview



## Zoning user story

- Collaborating Centre (CC) role in regard to the zone definition, management, and communication toward WHAIS.
- CC expertise about zoning (e.g. type of zone, diseases).
- Illustrations of possible scenarios about the usage of an envisioned OIE zone management system devised from the point of view of a Member State (imaginative futuristic look at the OIE zone management system).
- Illustrations of how a standard for zone geospatial data could address the needs of a Member State.

# As is analysis

Description of the current situation in regard to:

- available zone data
- business process model

## ● Zone data – check list

- List the existing data sets that have been identified for this project
- Does documentation exist about the identified data ?
  - Is there a metadata available ?
  - Is there already an application schema for the data source content ?
  - Is a feature catalogue and/or data dictionary available ?
    - features
    - attributes
    - constraints
    - others.
- Are multilingual aspects supported ?
- Does the data source explicitly conform to any national/international specifications ?



## ● Zone data – check list

- Which is the geometric primitive used ?
- Is topology considered ?
  - Which requirements are implemented (e.g. not overlapping) ?
  - Is it implemented at internal processing level ?
- Is temporal information managed (historic data) ?
  - Support for versioning of features?
  - Support for versioning of properties ?
- Which is the coordinate reference systems ?
- Object referencing methods applied (e.g. by code, by identifier) ?

## ● Zone data – check list

- How is the source data available?
  - Formats
  - Versions
  - Usage constraints
- Have delivery methods been specified (e.g. file transfers, web service) ?
- Are data quality requirements present ?
  - Completeness, thematic accuracy, logical consistency, temporal accuracy
  - Quality evaluation/conformance testing ?
- Are data available at multiple scales/resolutions ?
- Are spatial data capturing rules defined ?

## ● Zone data – business process model

- Does documentation exist about the current process situation ?
  - Are the business rules defined?
  - Is there a flowchart available ?
- Does a framework exist for zone spatial data management ?
- Does a software exist or application for zone spatial data management ?
  - Name ?
  - Developed by a private company or by in-house resources ?
  - Is it a desktop or a web application ?