

# *Semantic*HEALTH

Sharing Knowledge in e-Health information systems:

A Semantic Interoperability RTD Roadmap

St Radboud Nijmegen (Dutch WHO-FIC-CC)

WHO Geneva

ESKI Budapest

Uppsala University (Nordic WHO-FIC-CC)

University St Etienne

Univ College Londen / Univ Manchester

Empirica Bonn

Global expert panel (18)

WHO network

# Interoperability: WHY IS IT SO HARD?

- ◆ Technology
  - Drive (solution gap?)
- ◆ Social / Economic
  - 'dividend' (BPR?)
- ◆ Regulations / Legislation
  - Cross Organisational/Border
- ◆ Needs Multifactored Global Approach

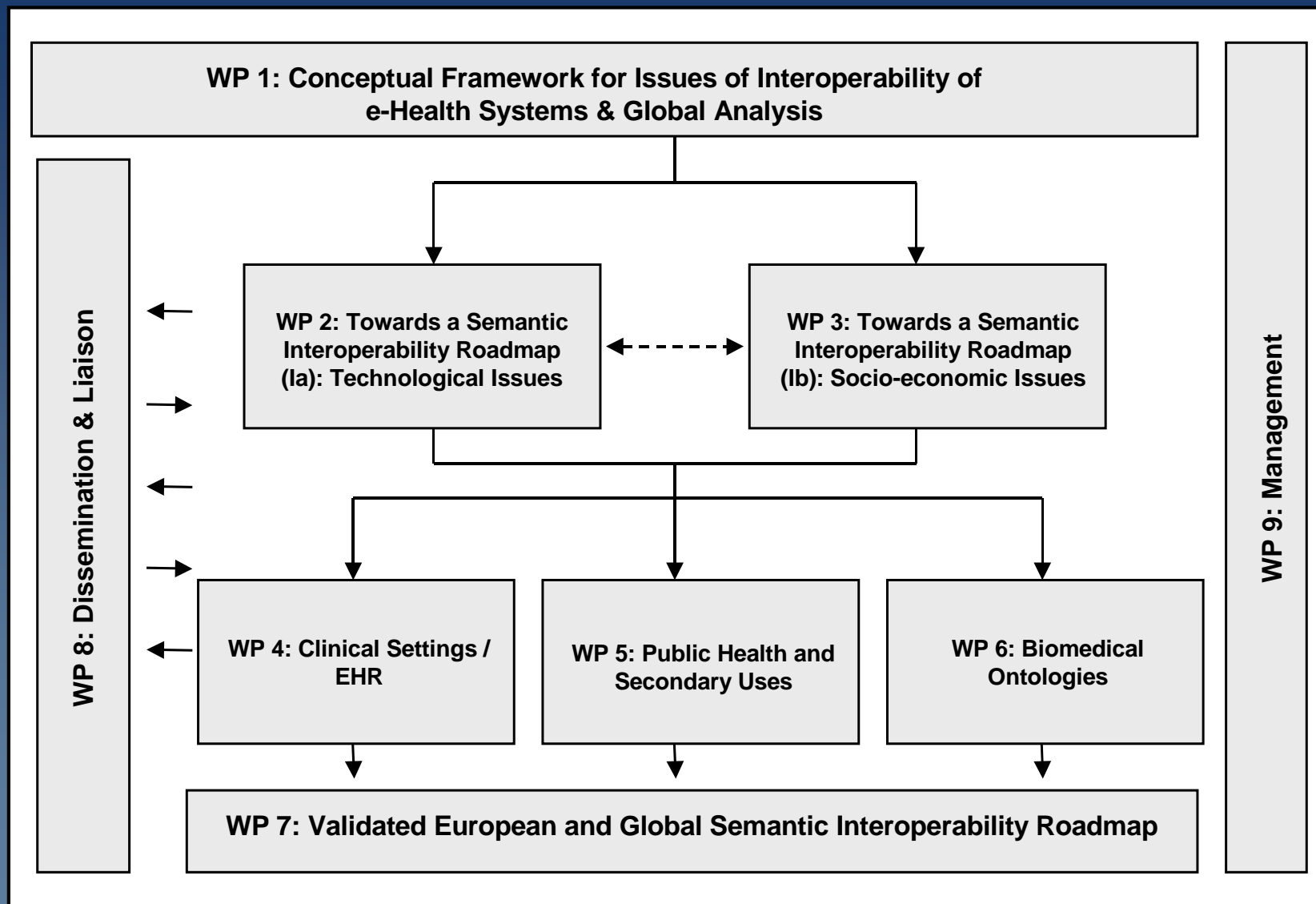
# Key Objectives

- ◆ To identify short-term (2-5 years) and medium-term (4-10 years) RTD challenges to achieve semantic interoperability of e-health systems
- ◆ To analyse unsolved RTD issues arising in the context of realistic approaches to clinical and public health settings
- ◆ To take into account the impact of non-technological (health policy, legal, socio-economic) aspects
- ◆ USE CASE is 'SNOMED as a process'

# The product

- ◆ Comprehensive recommendations for integrated national RTD roadmaps in the EU/Global context

# Approach



# Some Deliverables

- ◆ Conceptual framework for e-Health interoperability
- ◆ Inventory of key relevant Member States
- ◆ Comparative analysis and initial technological RTD recommendations for improving semantic interoperability
- ◆ Comparative analysis and initial socio-economic RTD recommendations for improving semantic interoperability
- ◆ Barriers, approaches and RTD priorities for semantic interoperability in support of clinical care delivery
- ◆ Semantic Interoperability RTD Roadmap

# Potential for Collaboration

- ◆ SemanticHEALTH offers
  - Open Workshops
  - Share Workshops
  - Dissemination through WHO network
  - Produce shared Final Executive Recommendations