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**NESSI**

**Transforming the Internet to serve your life**



6 Feb 2007

## ■ The context - European Technology Platform



## ■ Strategic?

*Today, NESSI partners represent 1.7 Million strong workforce and 490 B€ in revenues*

## ■ Link?

*NESSI has presented an initial Strategic Research Agenda that represents a global investment of 2.5 B€*

## Internet:

- Phase 1 = “connectivity”
  - 80’s-90’s internet as communication infrastructure (eg. email)
- Phase 2 = “show room”
  - 90’s publication of first web sites, internet as an advertising infrastructure
- Phase 3 = “universal library”
  - 2000’s easy access to any kind of unstructured information (eg. Google), active role of users (eg. Wikipedia)
- Phase 4 = “Transform the Internet to service your life”
  - 2010’s ...

Dreaming the “net economy”

Implementing the “net economy”

Implementing the “**service** economy”

# “Transform the Internet to service your life”

- “Internet” to be
  - Alive (through services)
  - (pervasively) Trusted
  - Rich (due to knowledge)
  - Invisible (ICT)



**This evolution requires a service oriented environment**

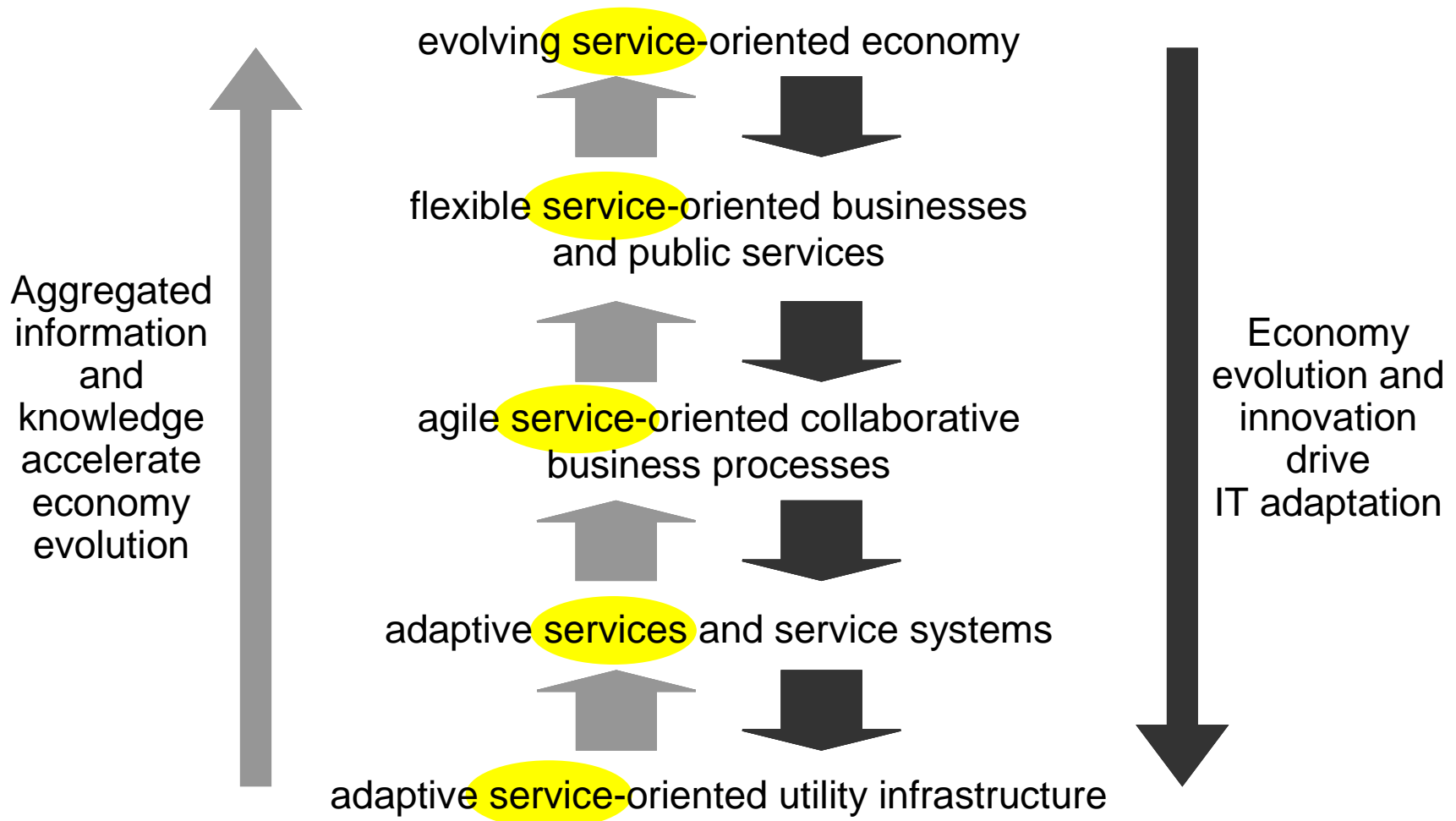
**NESSI partners have recognised that no single company can or should harness the power of such an environment**

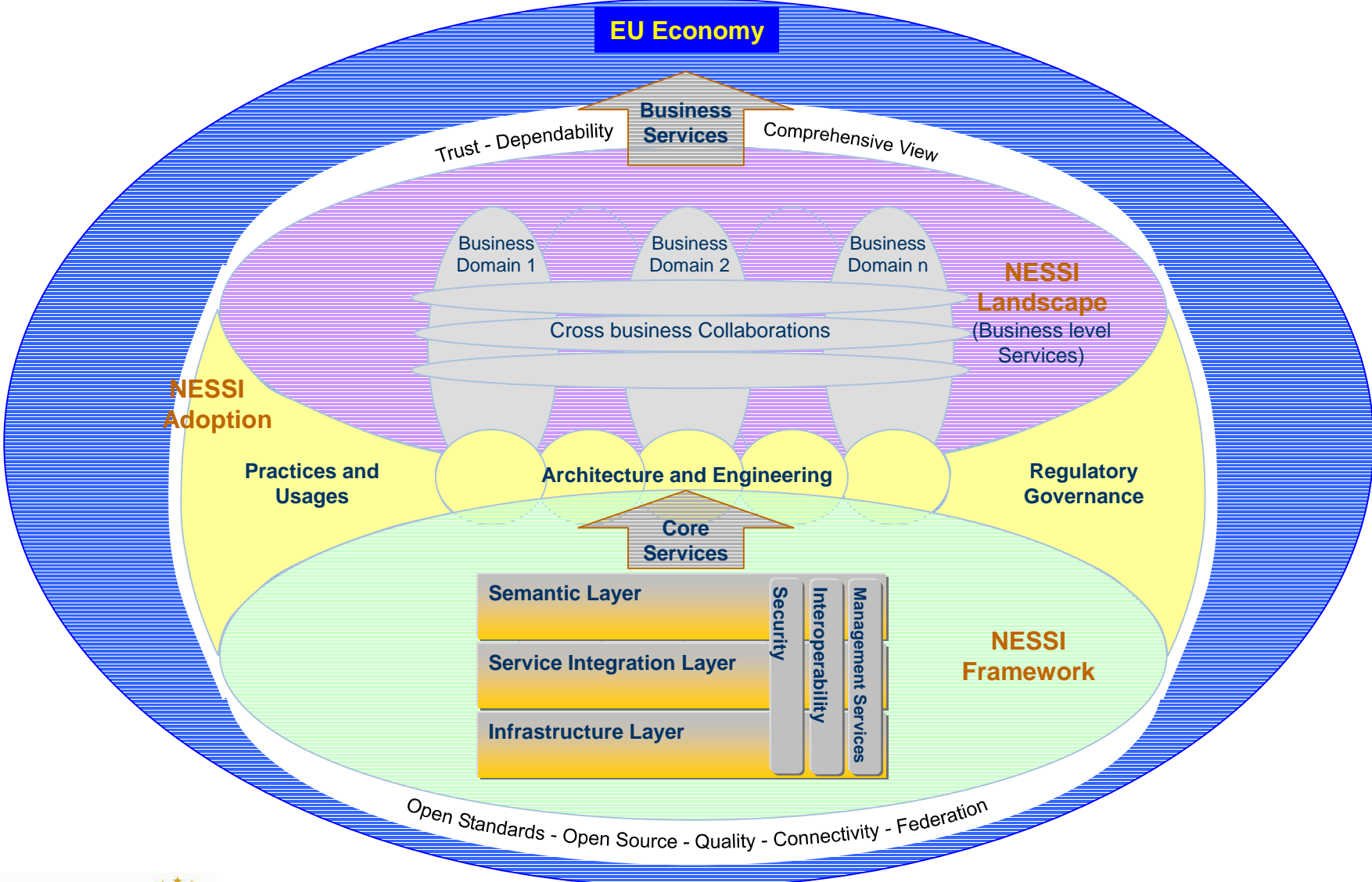
**NESSI is a partnership that will ensure the emergence of this environment**



- The “tool” of an ETP is its Strategic Research Agenda
  - Moving from vision to definition
  - Frame the context
  - Refine the Technological scope
  - Build it “together”
  
- Getting organised is key to ensuring
  - Smooth operations
  - Open contributions

- SRA – Volume 1 – Framing the future of the service oriented economy
  - On the portal ([www.nessi-europe.eu](http://www.nessi-europe.eu))
- SRA – Volume 2 – Strategy to build NESSI
- SRA – Volume 3.x – Roadmaps (phased in short, mid and long term)
  - FP7 Input (sketch of short term road-map)



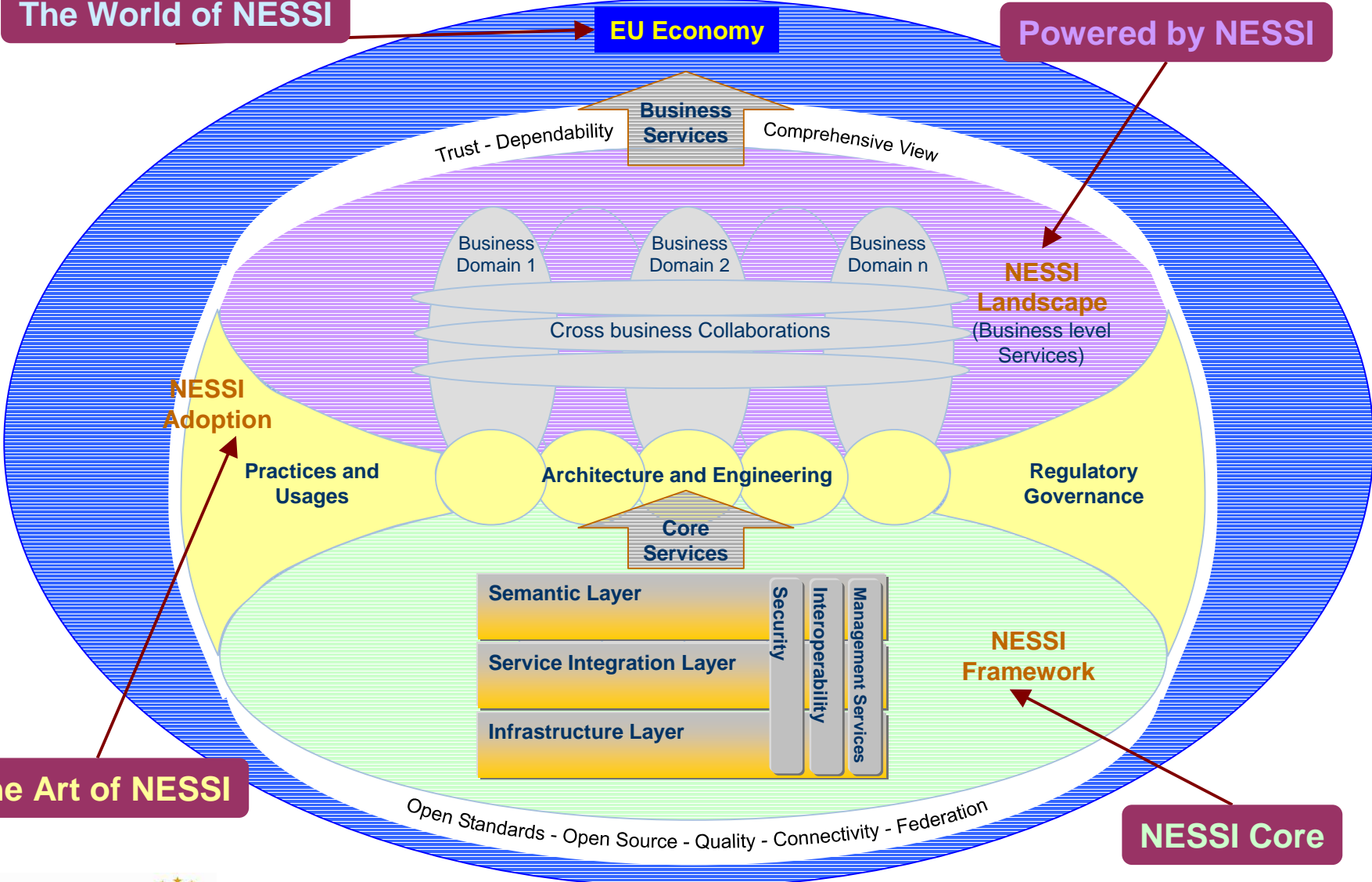


# NESSI Holistic View

The World of NESSI

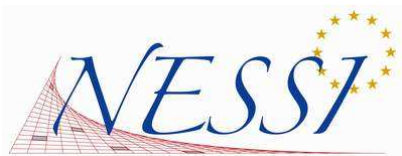
EU Economy

Powered by NESSI



The Art of NESSI

NESSI Core



## Strategic Pillars: challenges for FP7

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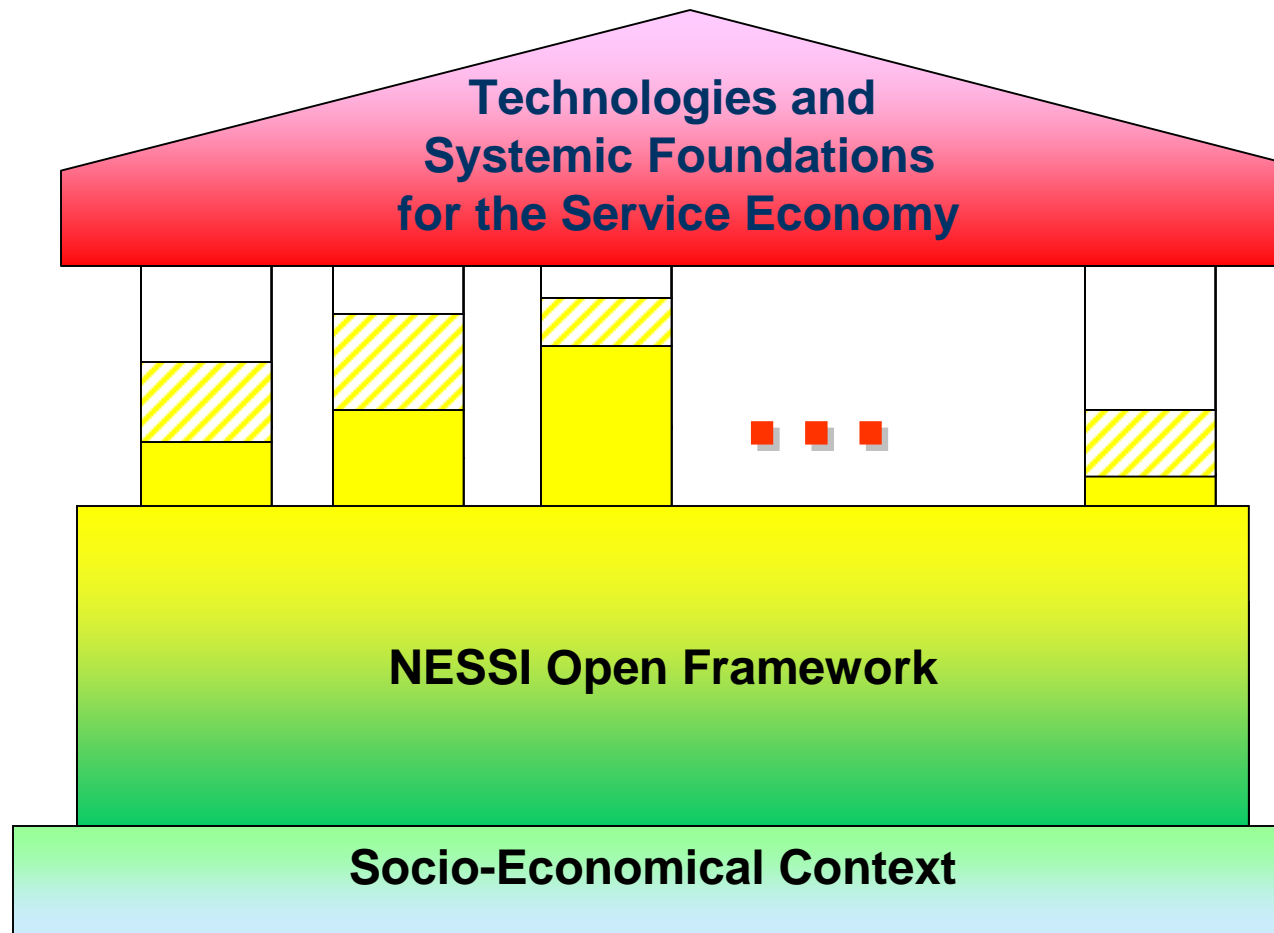
- Service-oriented infrastructure
- Service framework (including Semantic Technologies and Complexity Management)
- Trust, Security and Dependability
- Software engineering
- User-service interactions
- Services Sciences
- Networked enterprises
  
- NESSI Open Framework (Reference Implementation)



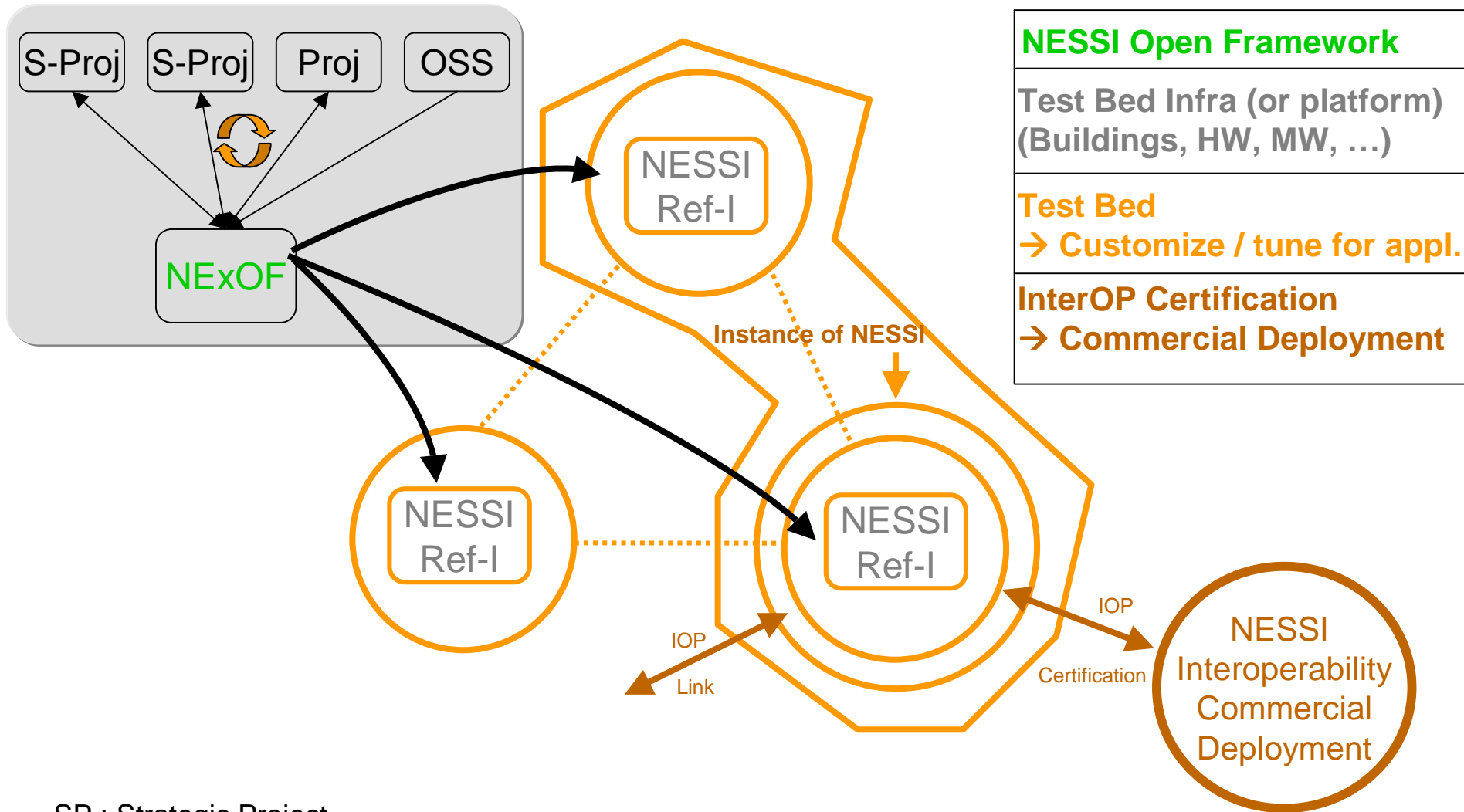
- **NESSI Open Framework**
  - Reference Model
  - Reference Architecture (Open Specifications)
  - Reference Implementation
  
- **“European Nessi full scale demonstrator”**



# Strategic Pillars - Methodology



# NESSI test-beds – Projects and Economic Structure

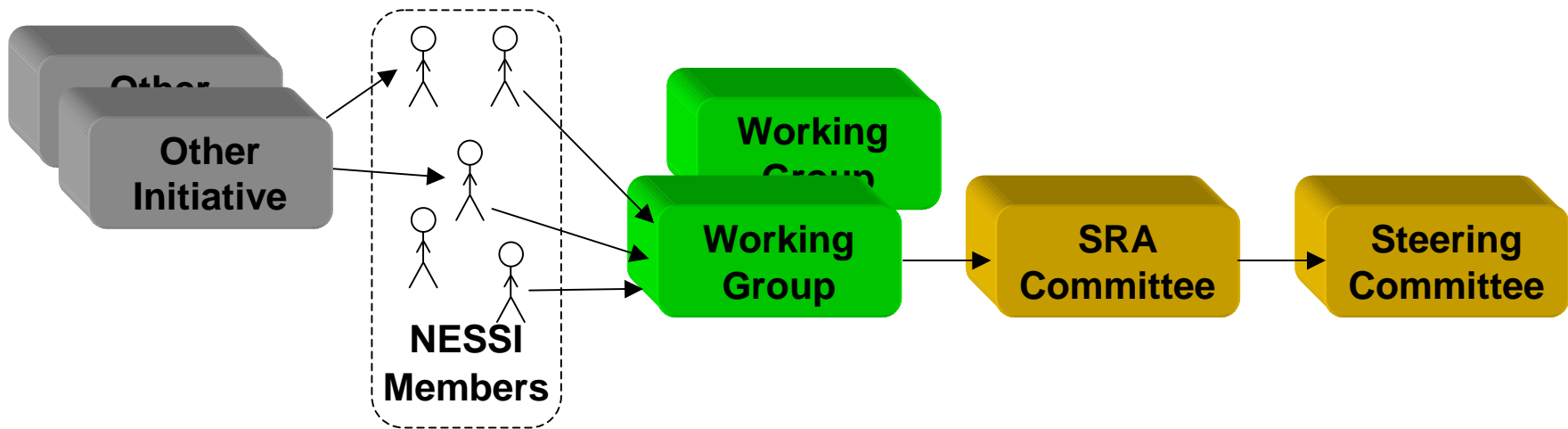


SP : Strategic Project

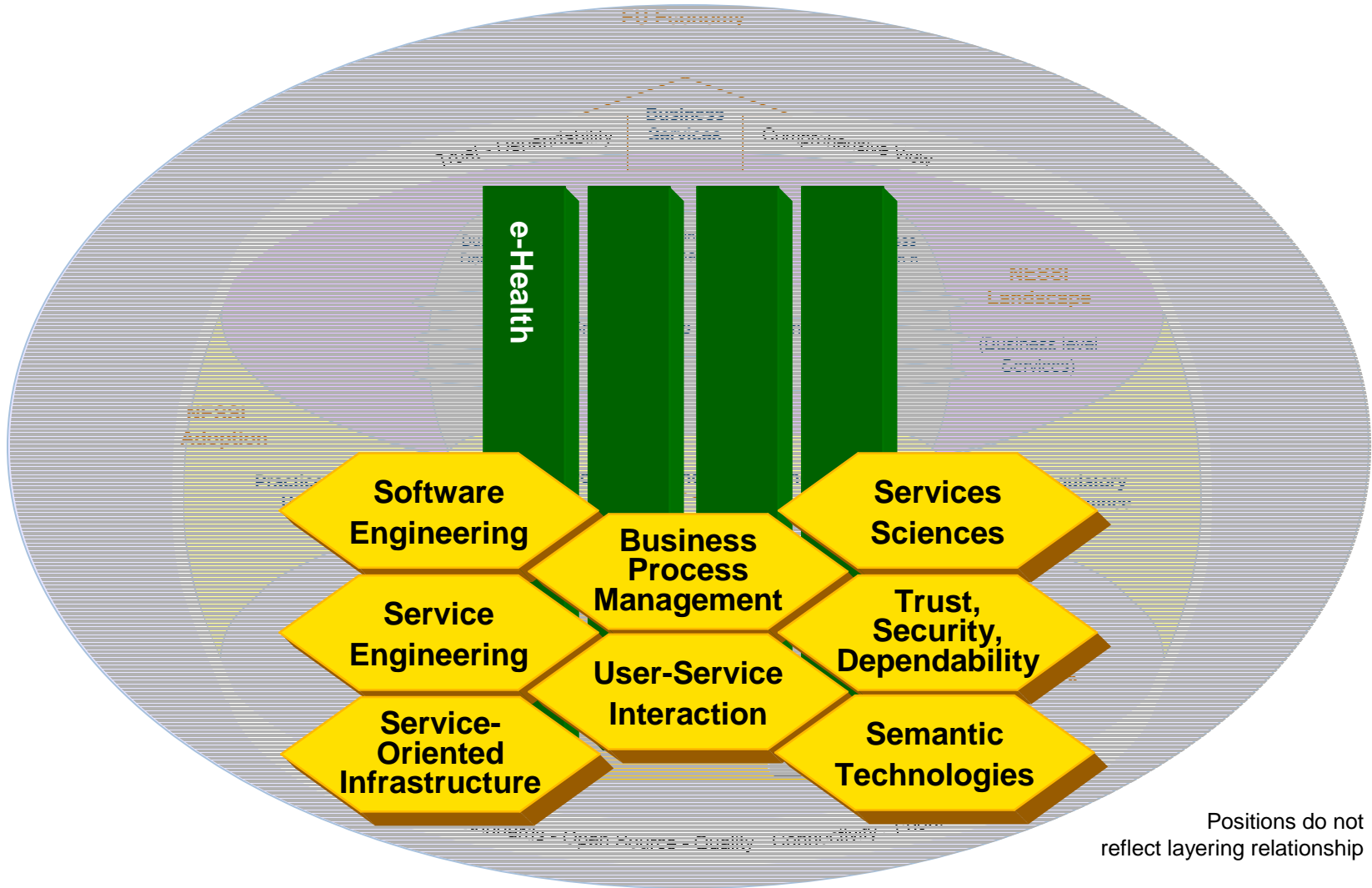
“NExOF” : NESSI reference Implementation IST Project



# Working Groups the place to contribute actively ↩



# Current Active Working Groups



Positions do not reflect layering relationship



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Thank you for your attention

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