

The GESSI research group

Pizza Day, 6 Nov 2012

<http://www.essi.upc.edu/~gessi/>



Group of Software Engineering for Information Systems
UNIVERSITAT POLITÈCNICA DE CATALUNYA

Antecedents

Research group on Software Engineering for Information Systems

- Created in 1992 (Prof. Pere Botella)
- First quality label in 1998 (integrated in the Information Systems research group)
- Endorsed by the UPC in 2002
- Quality label “consolidated research group” by AGAUR-Generalitat Catalunya in 2009

The People



Collaborations all over the World



Austria: UW, JKU

Brazil: UFES, UFPE, UFRJ

Chile: UTSM

Denmark: ITU

France: INRIA

Germany: PALUNO

Hungary: SZTAKI

Italy: Polito, FBK, Ericsson

Luxembourg: CRPHT

México: CENIDET

Netherlands: UG

Norway: NTNU

Spain: UPV, USev

Sweden: UL

UK: City Univ., UCL

US: SEI-CMU, UTD

Canada: UWO

Research Lines

Methods, models, tools and empirical engineering on:

Requirements Engineering

OSS Ecosystems



System Modelling

Service-Oriented Computing

Software Architectures

Projects and collaborations

Spanish Project: Software Engineering for Services (UPC-UPV, Jan. 2011 – Dec. 2013)

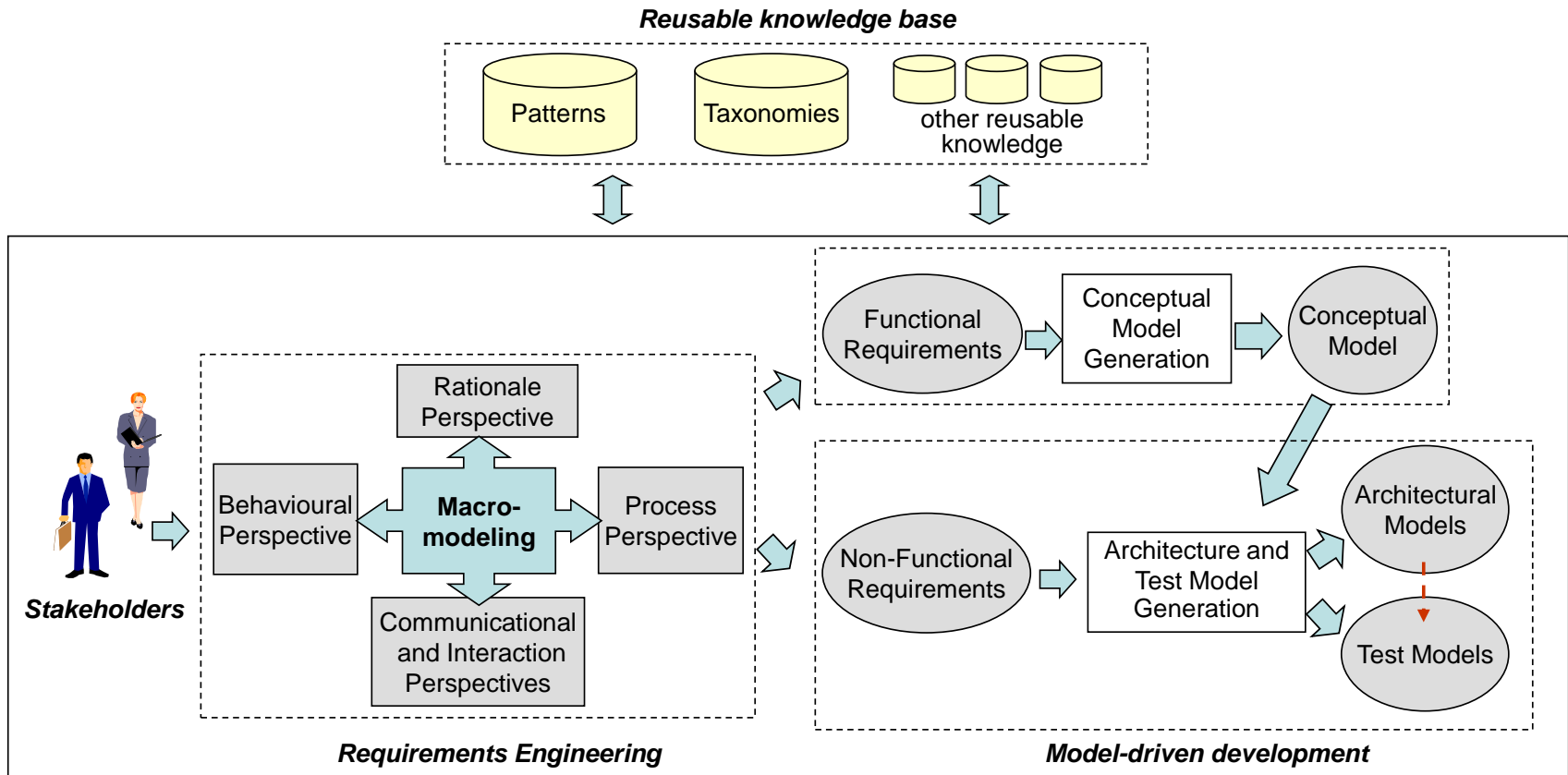
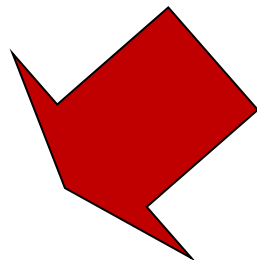
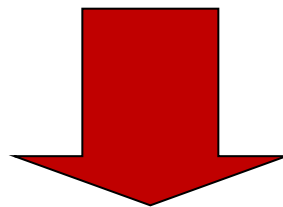


Figure 1. The ProS-Req software production process

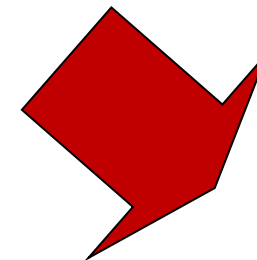
Project: Cátedra Everis (2011-14)



MDD mock-
ups → NFR

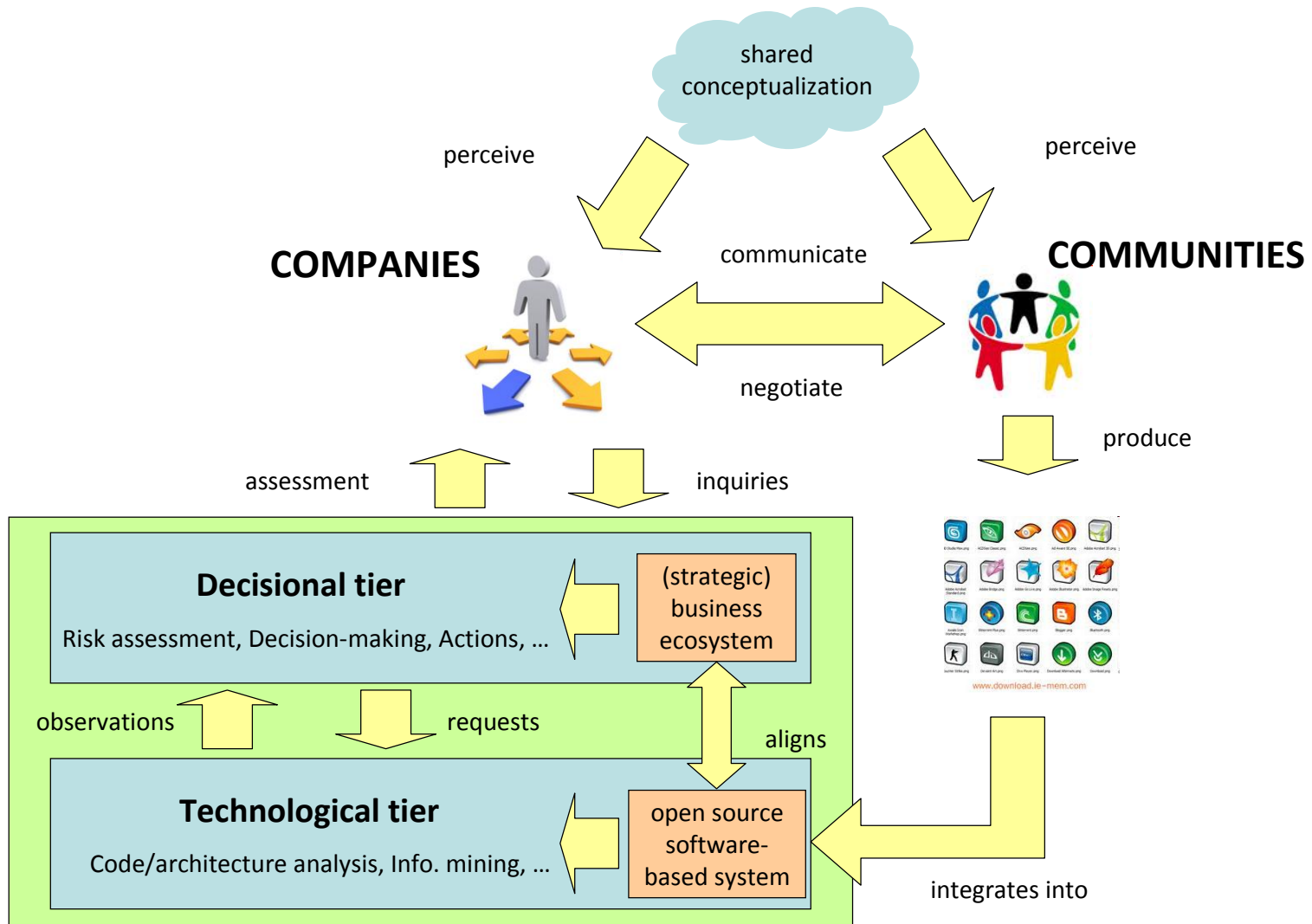


Empirical Analysis of
Software Architectures



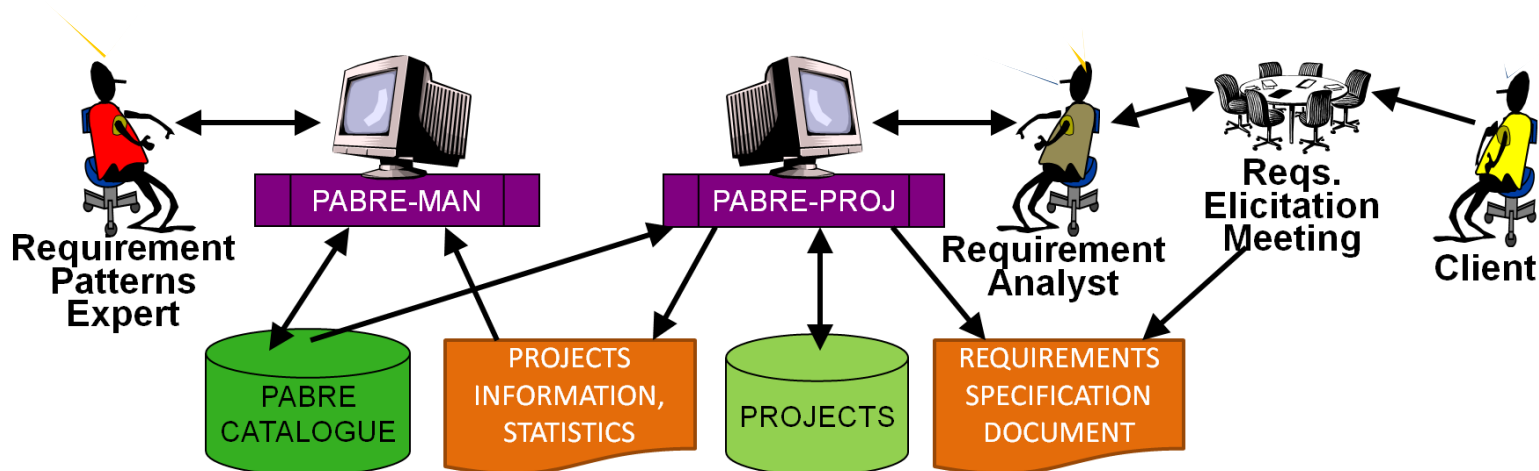
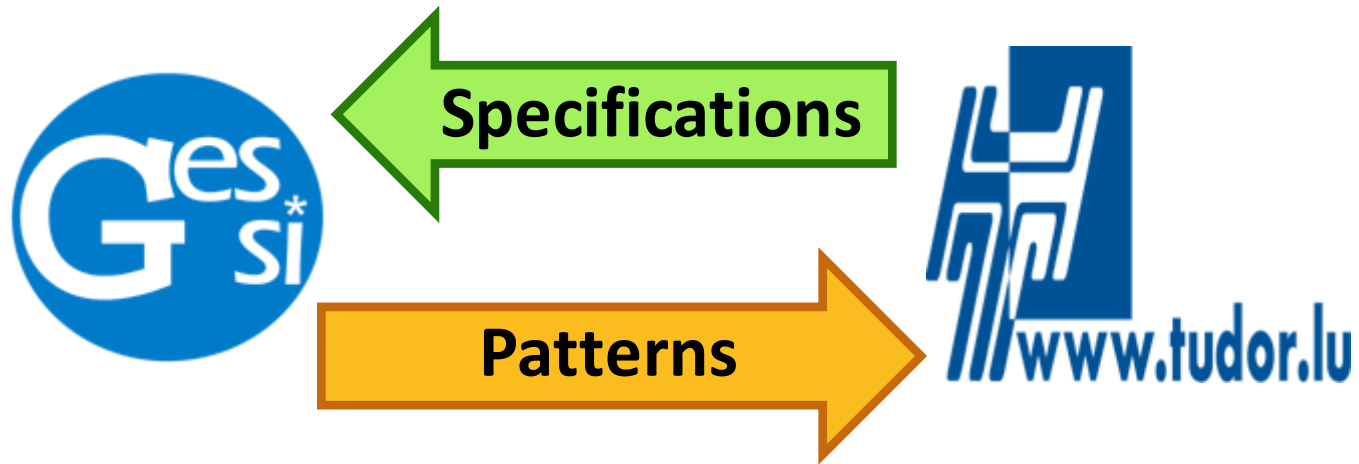
Multi-level
Monitoring

European Project: Risk Management in OSS projects (8 partners, Nov. 2012 – Oct. 2015)



The RISCOSS Platform

Collaboration: Call-for-tenders (with CRPHT-Luxembourg, 2009 - ?)



Technological asset: the SALMon System (2009 - ∞)



**Usage-based
Online testing**



**Monitoring
WS-Agreements**



**Monitoring
the cloud**



**Self-Adaptive
SBAs**

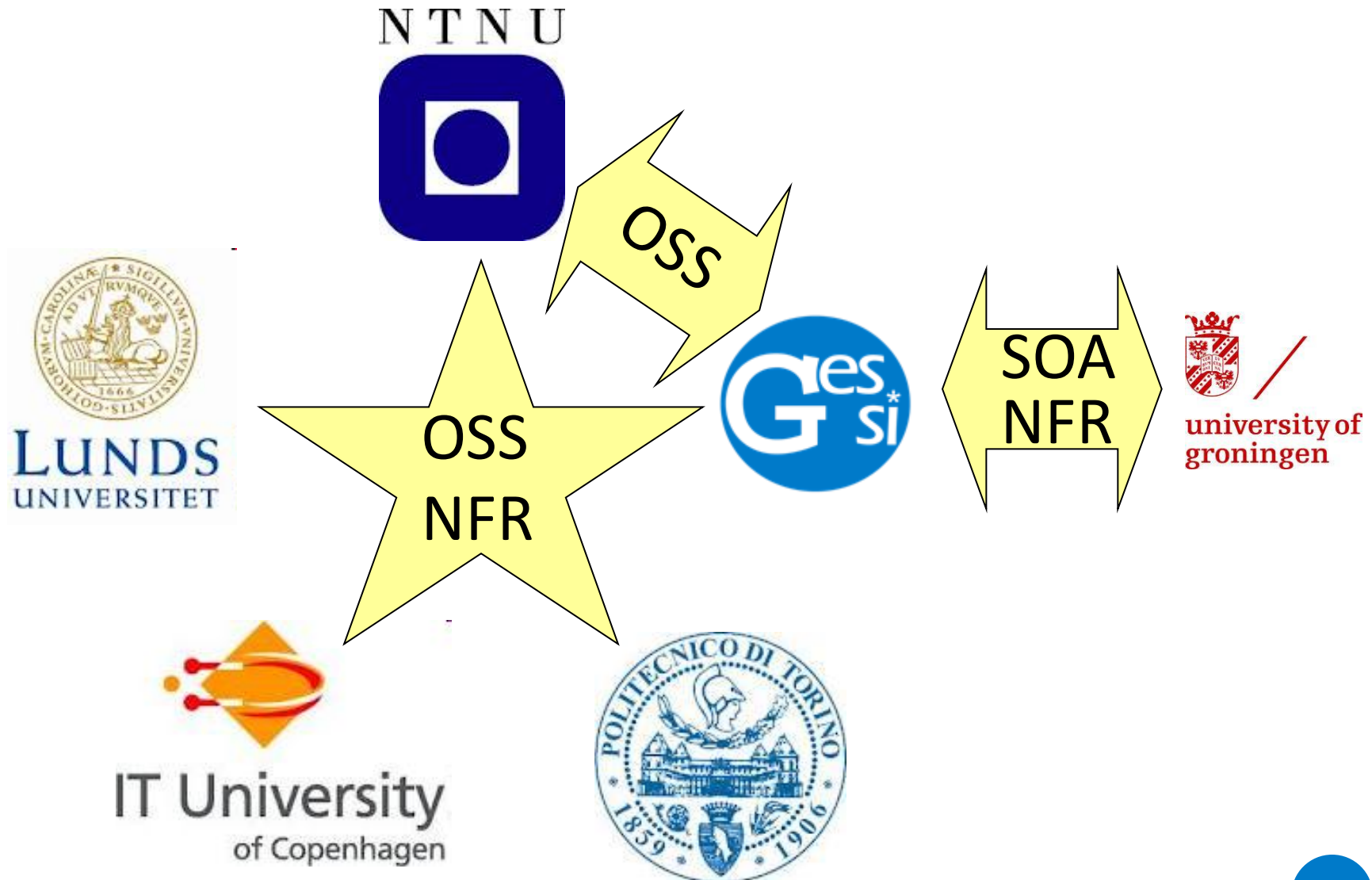


**Service
selection**



**Prediction
accuracy**

Initiative: Empirical studies (2010 - ?)



In addition...

Assignments offered for:

- Strategic requirement modeling
- Conceptual modeling
- Architectural decision-making
- Sustainability in software engineering

How to collaborate:

We envisage the following means:

- Direction of Master and Bachelor final projects
- Positions (when available) in these projects
 - Open position: Càtedra Everis, contact me if interested!
- Advising PhD thesis
- Voluntary enrollment to learn skills and acquire knowledge on advanced software engineering topics
- Any other initiative of interest

And now...

Featuring next:

- SCORE competition
- Personalized demos in the room next door
 - Team members available for presenting the different areas and current opportunities
 - Assignments also available in the group website (see For Students area)
- And the pizza will arrive at some moment...

Thanks for your attention



Group of Software Engineering for Information Systems
UNIVERSITAT POLITÈCNICA DE CATALUNYA