A Framework for Analysing IT Governance Approaches

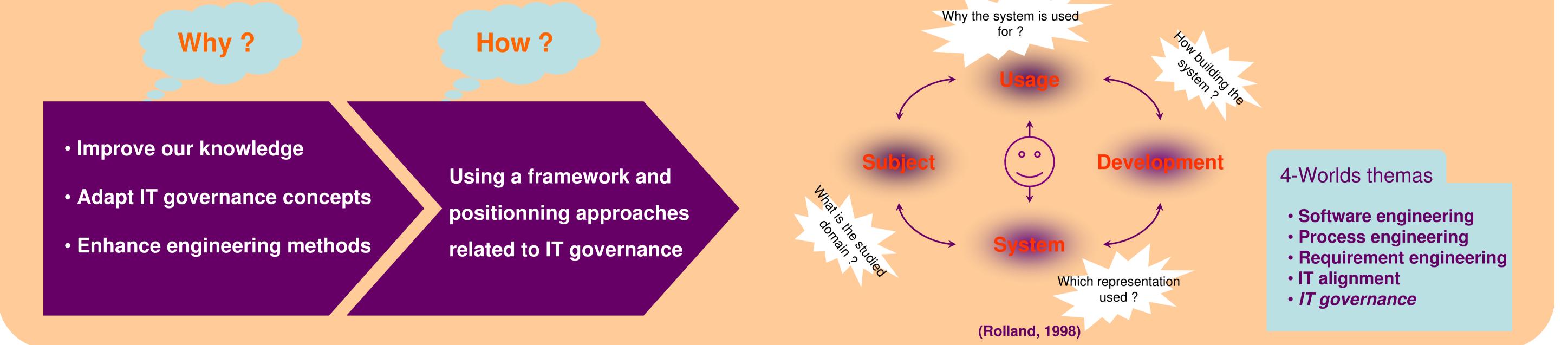


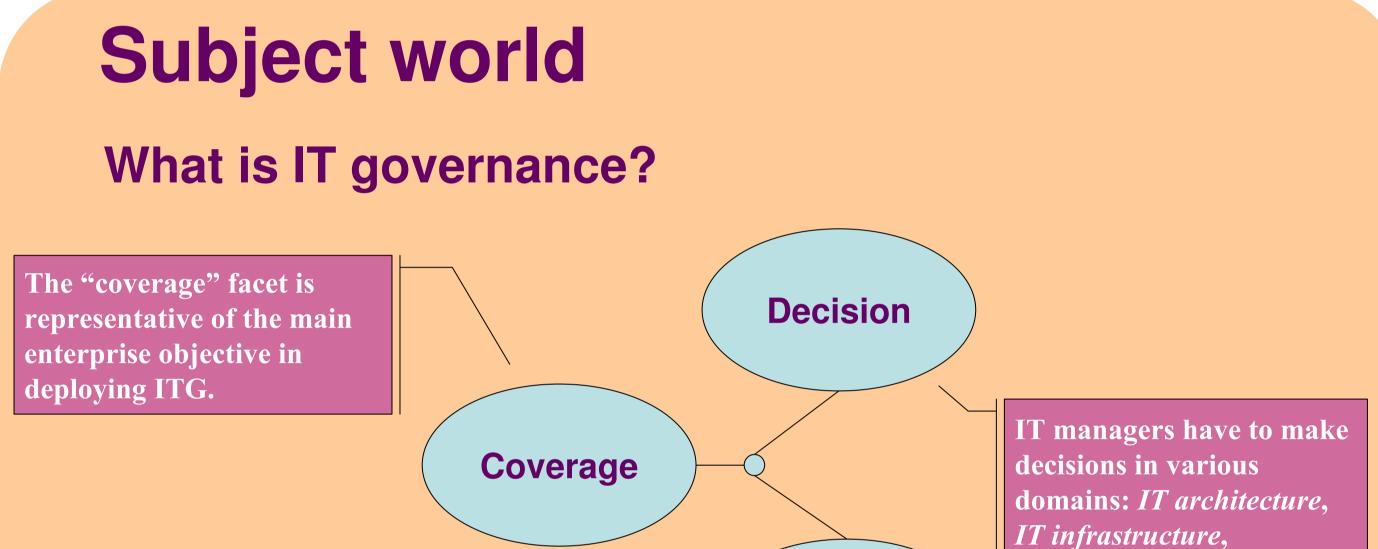
Bruno Claudepierre, Selmin Nurcan Centre de Recherche en Informatique Université Paris 1 – Panthéon Sorbonne {Bruno.Claudepierre, Selmin.Nurcan}@univ-paris1.fr



Understanding IT Governance

Framework modelling approach





Usage world

What are the user objectives in using IT governance?



"Organisation" facet represents the enterprise context for decisionmaking and delegation (*centralised*, *decentralised* or *hybrid*). **Organisation**

Decisions are taken to ensure that IT creates "values" through services provided to the *organisation* or to *external actors*. Change IT governance maturity Soor

CYCLE OF CHANGE.

Maturity is performed by instantiating a maturity model describing LEVEL and associated OBJECTIVES.

Development world

How is developped the IT governance system ?

The "architecture approach" is representative of the way of modelling the enterprise knowledge using *strategic modelling*, *cartography* or being guided by the target *IS*.

Entreprises use maturity models like CMMI which presents the maturity LEVEL and their associated OBJECTIVES. Architecture approach

Process

maturity

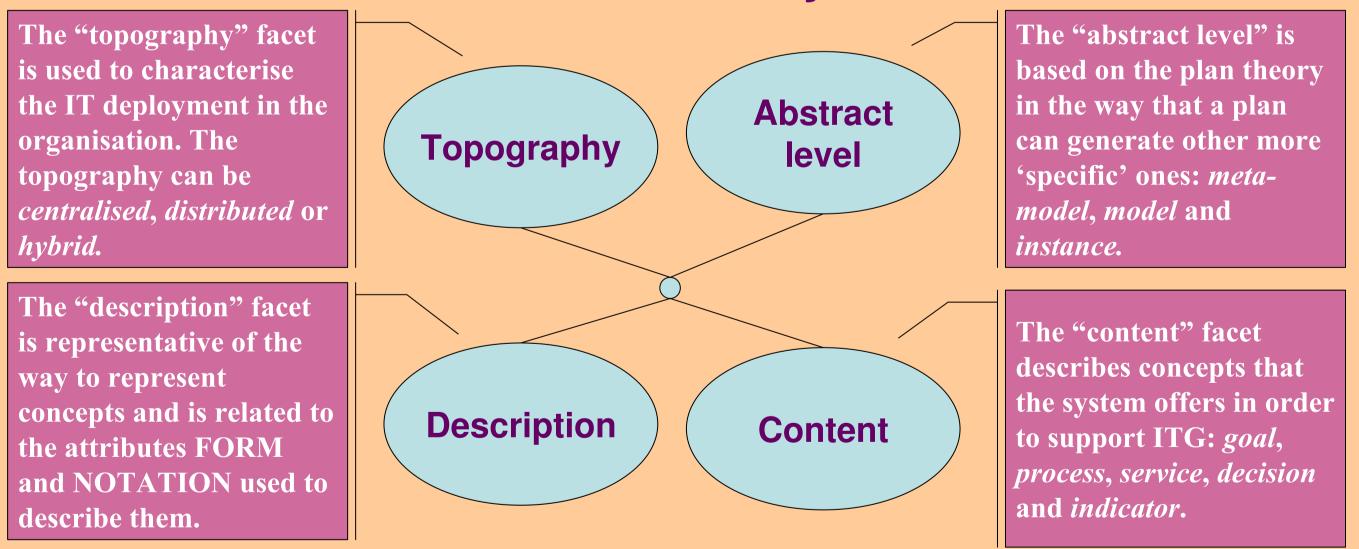
We identified two types of quality approaches: (i) *continuous* improvement where goal definition and measures creation anticipate the future states of the enterprise and goal redefinition, (ii) the *factual* approach where data analysis is required for decision-making.

Quality approach

System world

What are the charastics of the system ?

Value

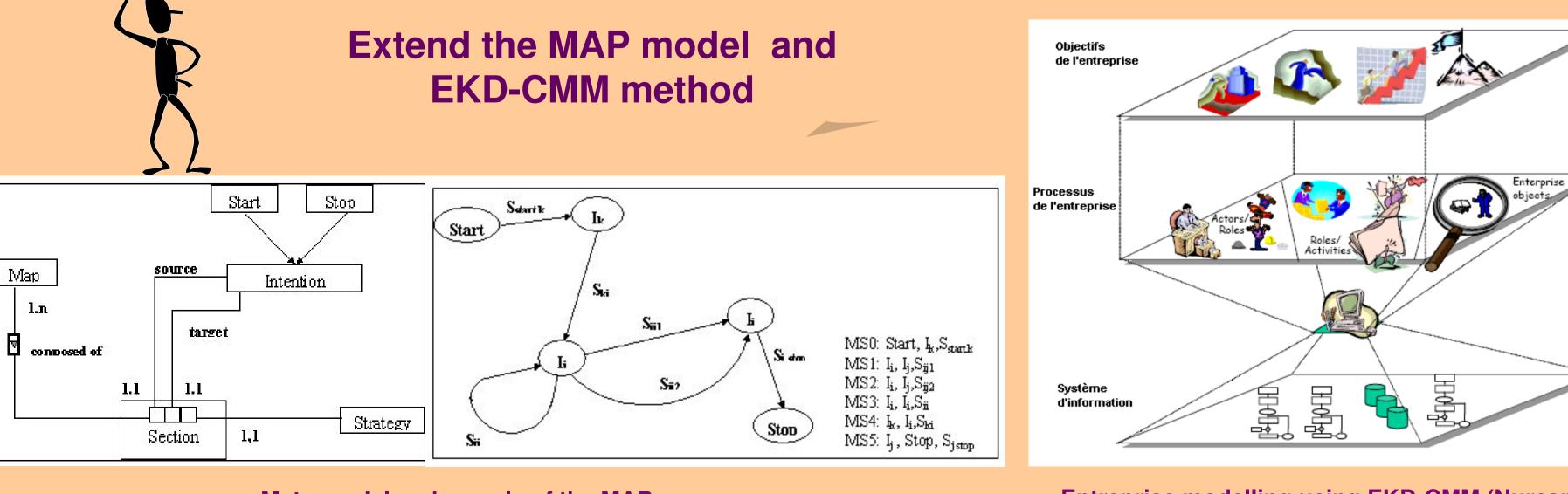


Research and futur works

@ Improving engineering methods for IT governance anticipation.

Overlapping reusable method chunks for enhancing engineering methods.

@ Studying relationships between IT governance and Business/IT alignment.



Meta-model and sample of the MAP model (Rolland, et al., 1999) Entreprise modelling using EKD-CMM (Nurcan and Rolland, 2003)