

PICTURE - How to develop a successful ICT investment strategy

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PICTURE: An instrument that supports successful ICT investment strategies for European Public Administrations

- ▶ STREP project, funded by European Commission under FP6
- ▶ Duration: 3 years
- ▶ Start: February 2006

Partners:

Technology



Research



Universität St Gallen

Users



CITTA' DI TORINO

THE CITY OF LODZ OFFICE



Why PICTURE?

- ▶ Introduction of ICT in Public Administrations (PA) offers large potential to reorganize and improve back-office processes
 - ◆ Supports high quality service delivery to citizens and businesses

However:

- ▶ Current focus of PAs: improvement of single processes
- ▶ Potential impact of ICT on overall “Process Landscape” cannot be measured

As a result:

- ▶ It is a challenge to justify large ICT investments toward the political leadership and the public
- ▶ Decision makers hesitate to invest in ICTs

How does PICTURE address this challenge?

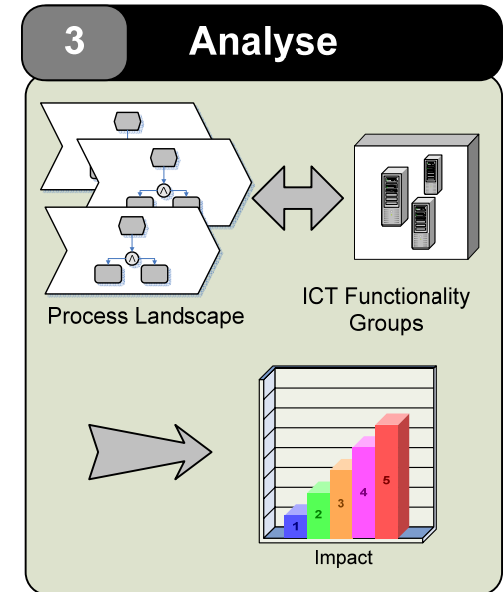
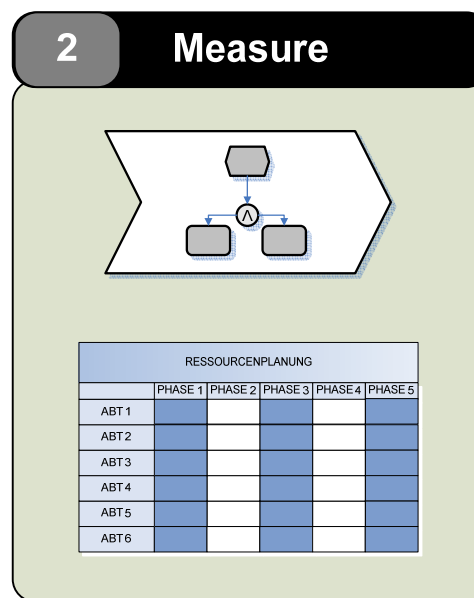
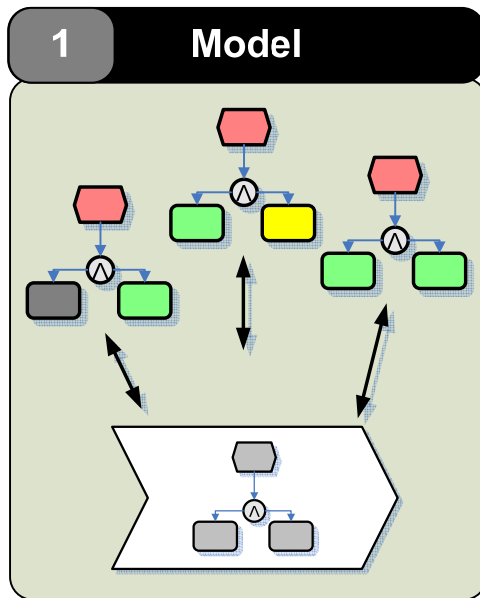


PICTURE aims to:

- ▶ develop, validate, and disseminate a **web-based tool** that
- ▶ enables an efficient **measurement of ICT impact** on the overall process landscape of PAs,
- ▶ providing key information for the development of a sound **ICT investment strategy**



How will PICTURE work?



Step 1- Model:

PA staff model all core administrative processes using pre-defined process building blocks

Outcome: modelled process landscape

Step 2 - Measure:

PA chief information officer measures impact of ICT components on the process landscape

Outcome: qualitative & quantitative impact data ICTs on the process landscape

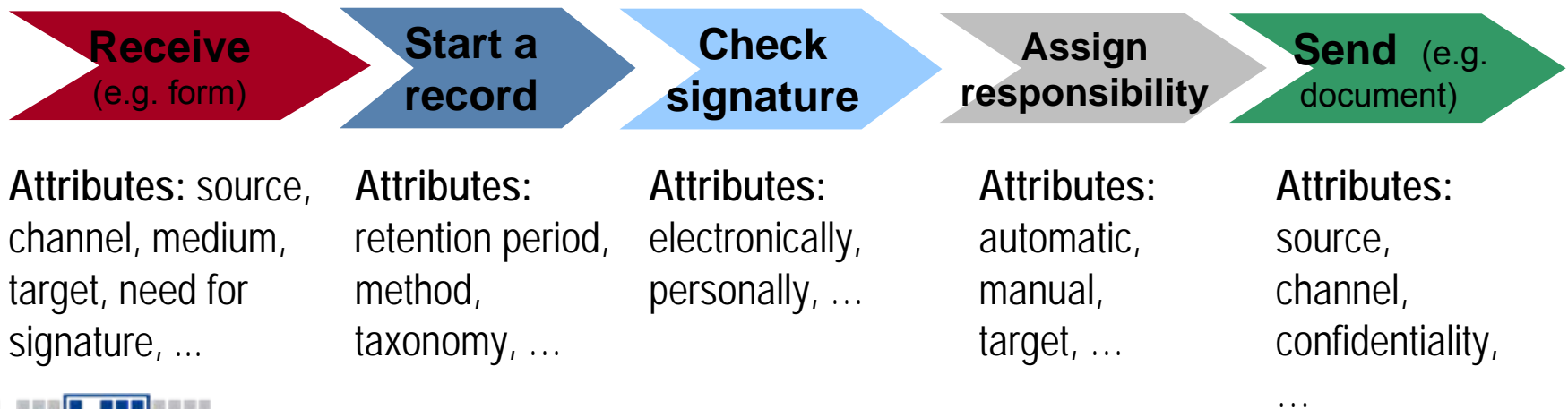
Step 3 - Analyse:

PA decision makers analyse the results and derive appropriate ICT investment decisions

Outcome: assessment of impact measurement (performed by PA)

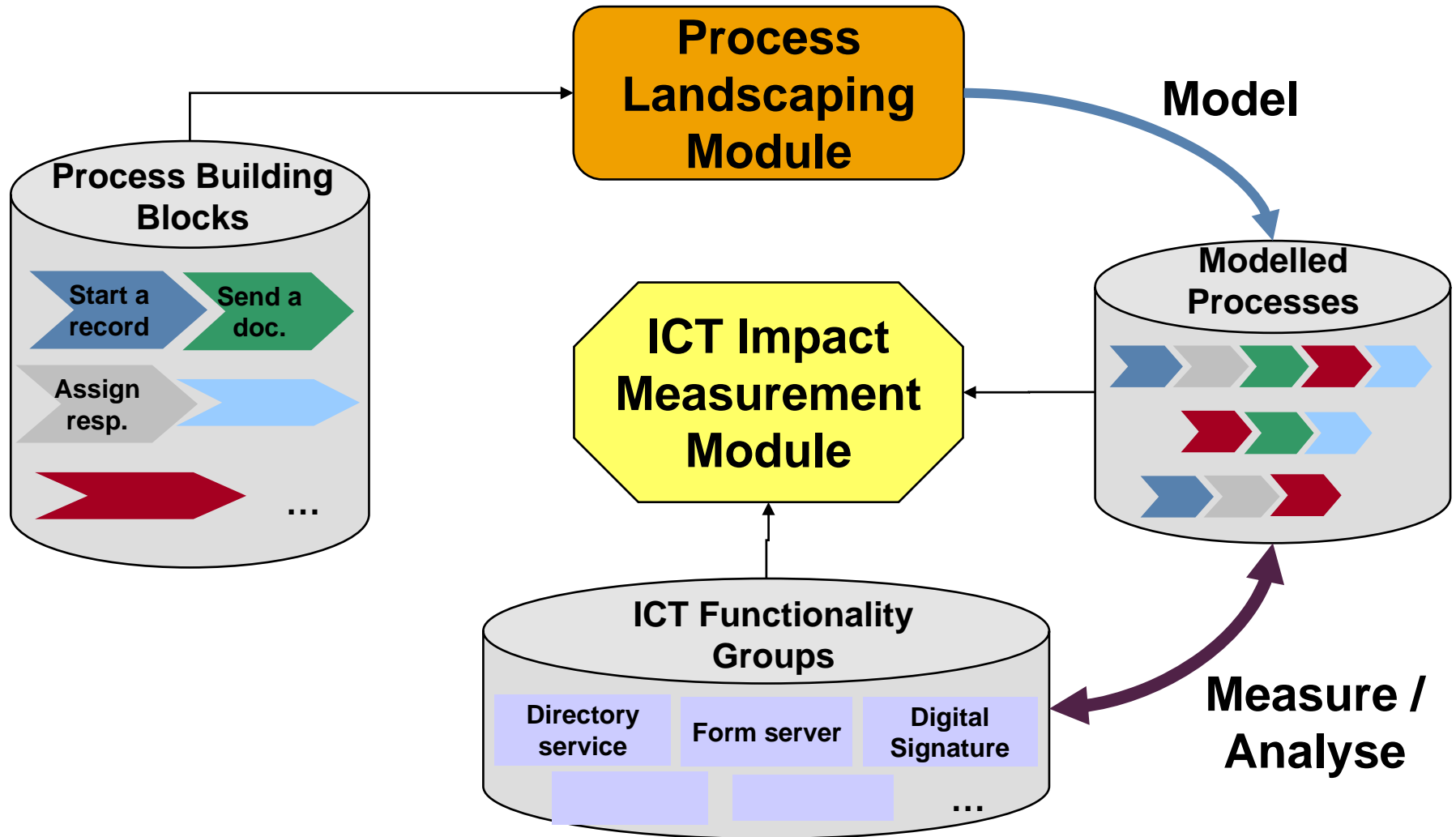


- ▶ **PICTURE** enables the PA to model its processes using pre-defined **Process Building Blocks (PBBs)**
- ▶ PBBs describe the activities a user performs in a process, non-context specific.
- ▶ Processes consist of re-occurring Process Building Blocks
- ▶ Each PBB has process attributes:
 - ◆ That capture information needed for the impact measurement



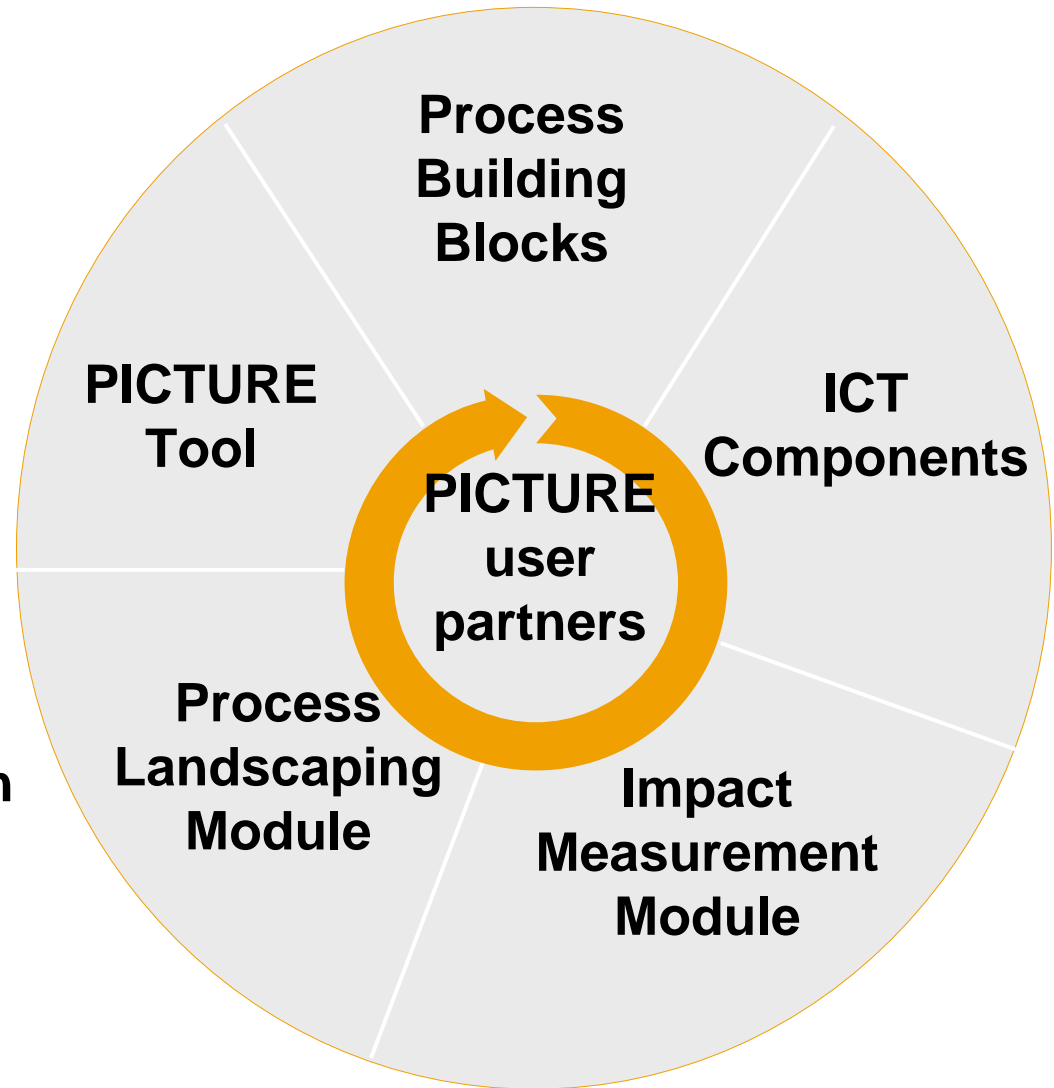


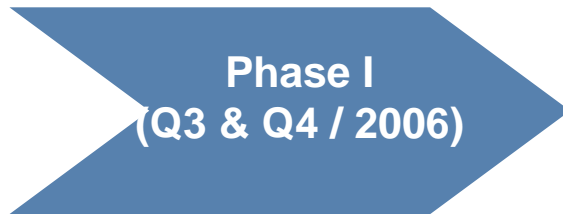
- ▶ **PICTURE** focuses on basic ICT systems (non-vendor specific) that support back-office administrative processes
- ▶ **Basic ICT components** support particular types of activities that occur in many back-office processes
- ▶ **Examples of Basic ICT components:**
 - ◆ Workflow management, document management, digital archive, eSignature, web content management
- ▶ No broad diffusion of ICTs in Public Administrations so far according to survey carried out within project
- ▶ Each ICT component has a number of **functionalities**, which are grouped according to similarities.



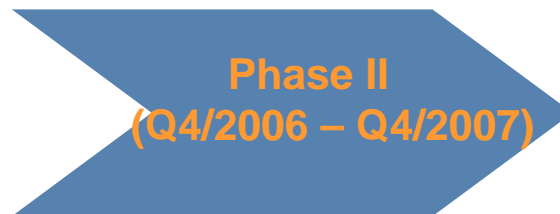


- **PICTURE tool elements and methodologies and are evaluated iteratively by the 5 user partners (PAs) throughout the project lifecycle**
- **PAs outside the PICTURE consortium are also contributing to the evaluation (with NDAs)**

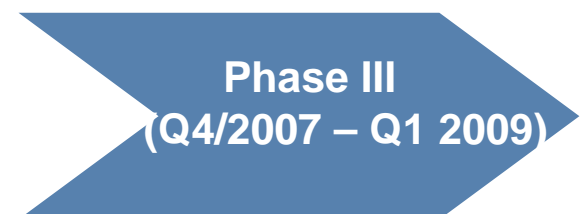




- ▶ Definition and evaluation of Process Building Blocks and ICT Functionality Groups (completed)



- ▶ Mapping of ICTs to Process Building Blocks (*in progress*)
- ▶ Development of ICT Impact Measurement Methodology (*in progress*)
- ▶ Development of Process Landscaping Methodology



- ▶ Development and evaluation of the PICTURE tool
- ▶ PICTURE Exploitation Plan and broad dissemination



- ▶ **PICTURE makes ICT impact on back-office processes measurable**
 - ◆ Supports process reorganization
- ▶ **Supports decision makers to justify ICT investment decisions**
 - ◆ Highest impact achieved by combination of basic ICT components
 - ◆ Improved service quality and efficiency
- ▶ **Contributes to good practice exchange**
 - ◆ Supports collection and consolidation of processes across European Public Administration
 - ◆ Supports grouping of ICTs from a vendor-independent perspective



Thank you for your attention

For more information on PICTURE please visit:

<http://www.picture-eu.org>