# Managing business processes with Smalltalk

Janko Miv\_ek
Eranova d.o.o.
janko.mivsek@eranova.si



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- # Business process: a common view
- # Different viewpoints to BPM
- # From modeling to execution
- # In practice: Measure Calibration Process
- # Architecture of BiArt/BPM engine



## Gap between Business and IT

#### # Businessman view:

Profit, organization, performance, relationships, rules, procedures, business processes

#### #IT view:

Tables in databases, user interfaces, workflow, coding

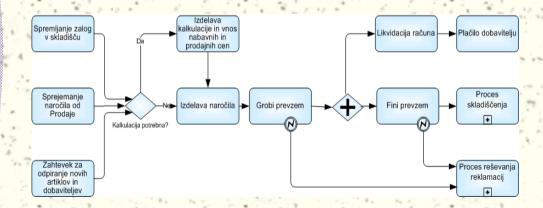
#### # How to narrow the gap?

- Tommon view: Business Processes
- Common modelling language BPMN

# Common language

#### # Business processes

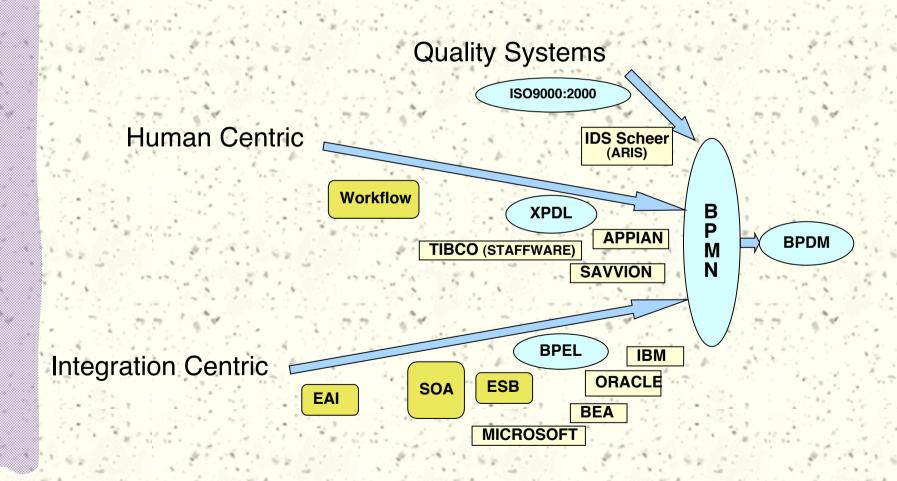
- Business Process Diagram
- **■** Standardized **graphical** notation
- Diagram shall be simple and understandable to all



## BPMN (Business Process Modeling Notation)

- # Universal standard for business process modelling (BPMI published in May 2004, now OMG)
  - simple, readable, but exact and concise description of business process
  - published in May 2004 by BPMI, now OMG
- # It also enables the process execution
  - strong mathematical background
  - support for BP execution standards (BPEL, XPDL)

#### Different Viewpoints on BPM



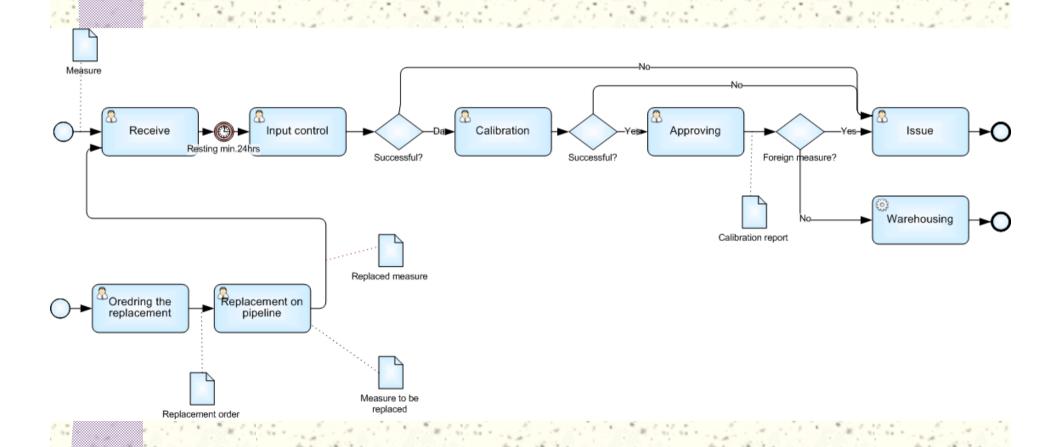
#### **Business Processes**

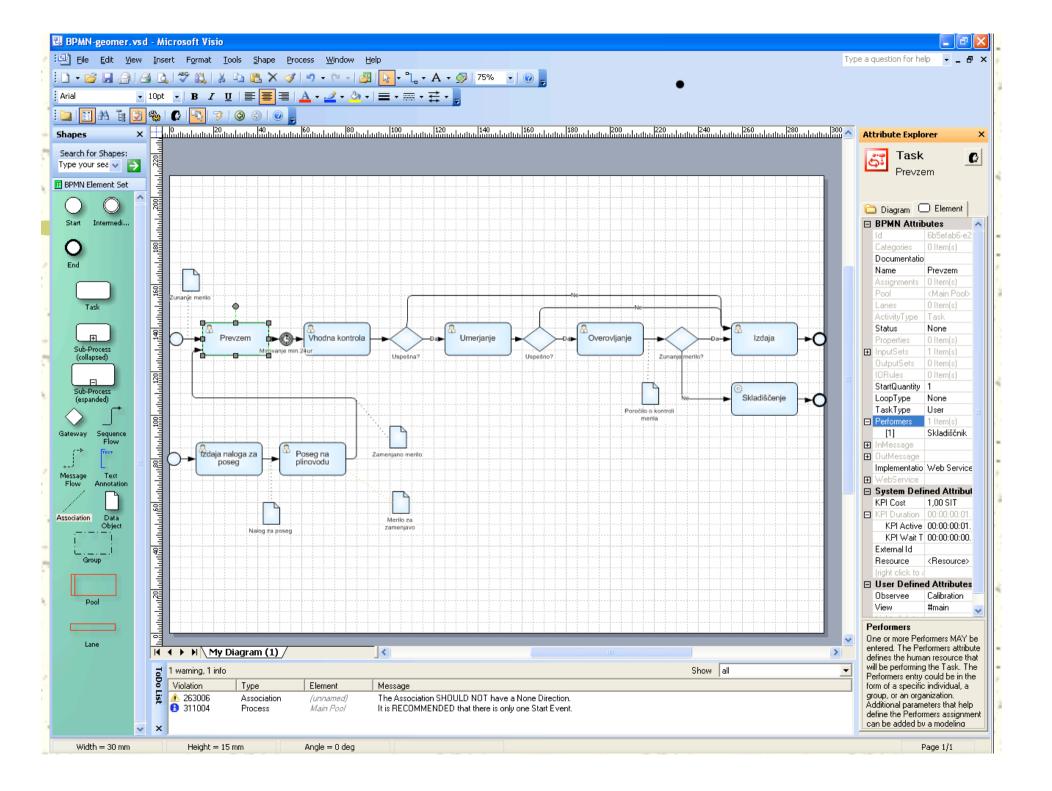
- #From modelling ...
  - **ISO** 9001:2000
- #to execution...
  - **BPMS** (Business Process Management Systems)
- # measurement...
  - BAM, BI, KPI (Key Performance Indicators)
- # and improvement.

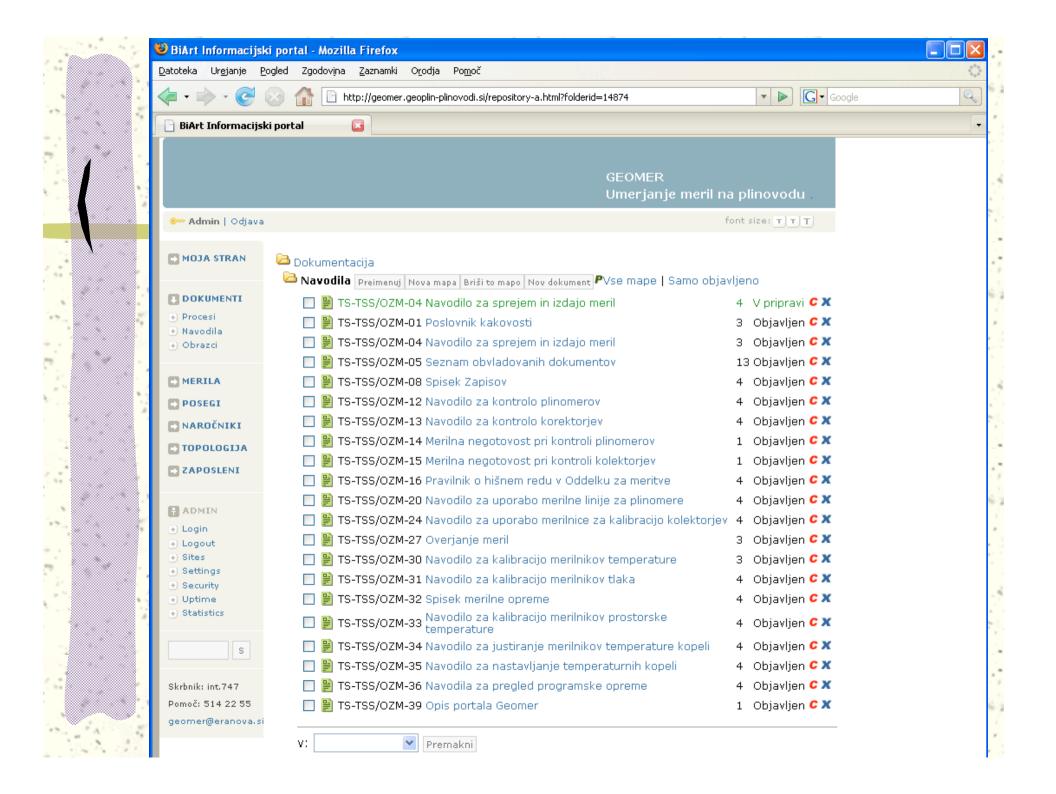
#### Business process - definition

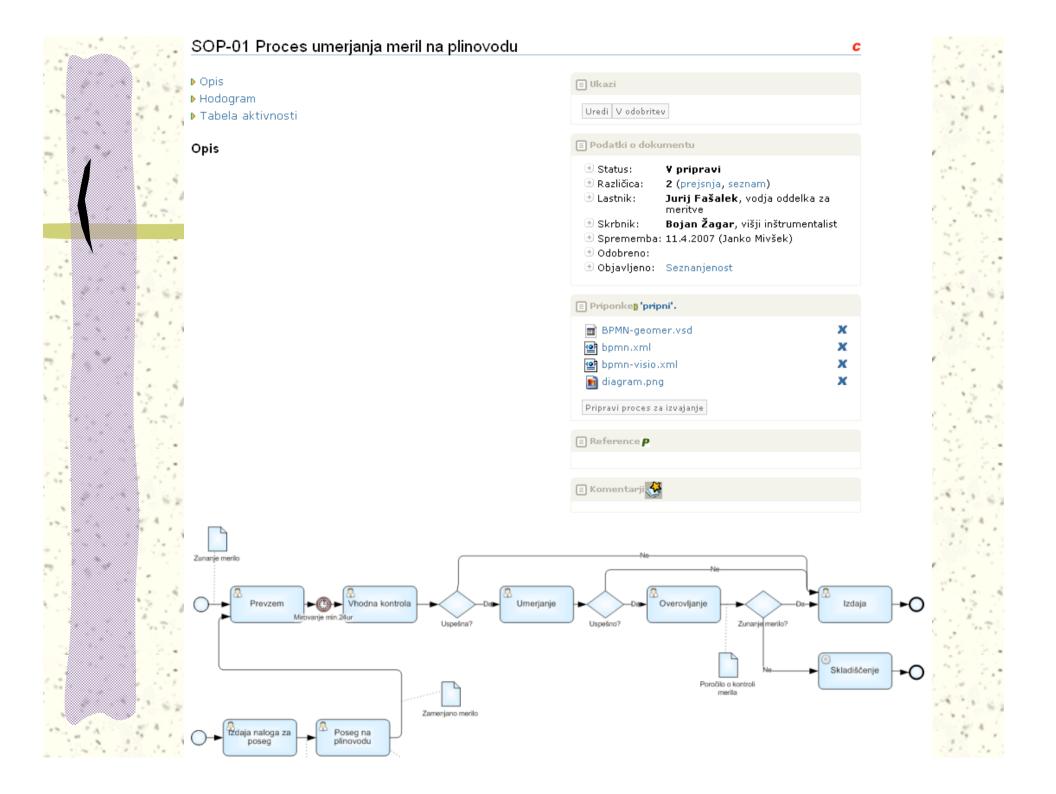
- # "Business **process** is a series of **tasks**, which are executing in a **sequence** or in **parallel**, with a possible participation of one or more **individuals** to reach a common **goal**.
- # Business process means:
  - process definition
  - instance of a process in execution
    - there can be more than one instance of a process definition

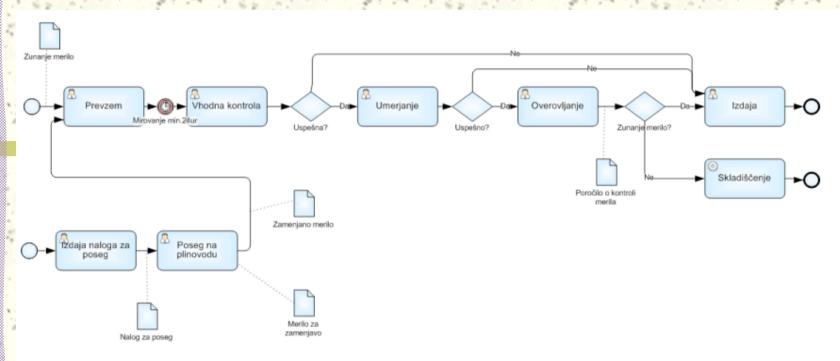
#### Pipeline Measure Calibration Process



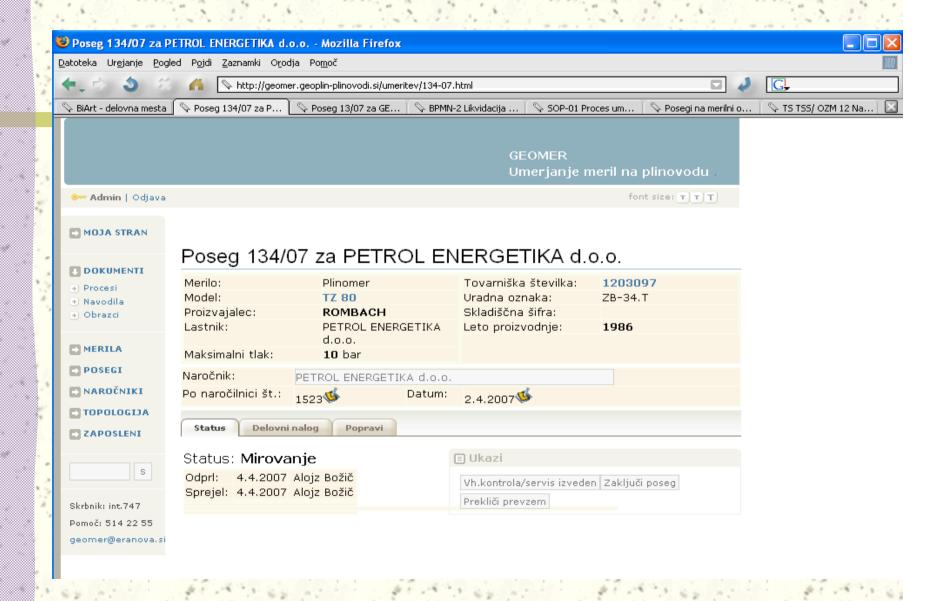




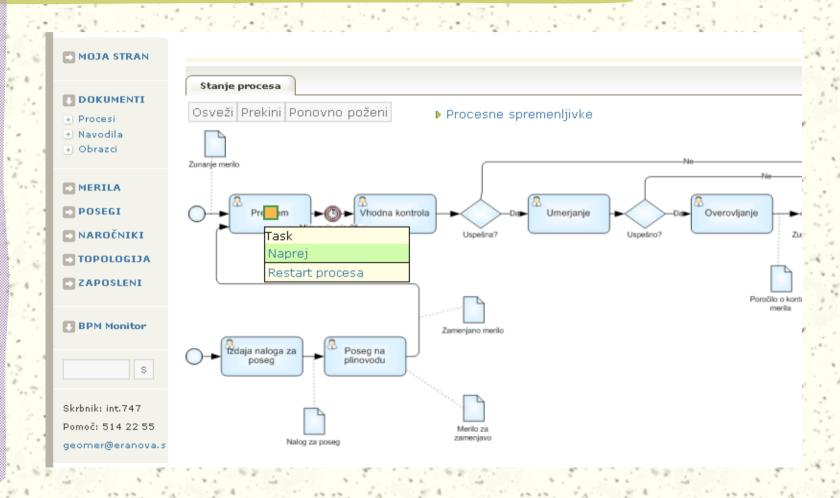




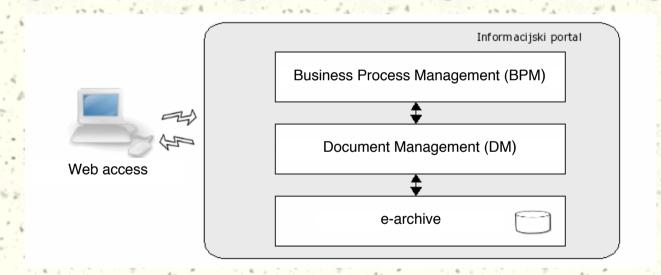
	Aktivnost	Izvajalci (o) odgovoren (z) zadolžen (n) nadomešča (s) sodeluje	Zapisi (p) prejme (i) informiran (a) arhiv	Reference	
,	01. Prevzem				
	Merilo prevzamemo in mu natisnemo delovni nalog, ki ga spremlja skozi proces. Merilo nato vskladiščimo.	(o) vodja oddelka za meritve (z) skladiščnik		TS TSS/ OZM 04 Navodilo za sprejem in izdajo	C
	02. Yhodna kotrola				
A	Merilo preverimo, če je ustrezno in pripravljeno za meritev. V primeru ugotovljenih nepravilnostih opravimo servis.	(o) vodja oddelka za meritve (z) inštrumentalist			
	03. Umerjanje				
	Merilo umerimo tako, da ugotavljamo njegove merilne pogreške v primerjvai	(o) skladiščnik (z) višji inštrumentalist		TS TSS/ OZM 12 Navodilo za	C

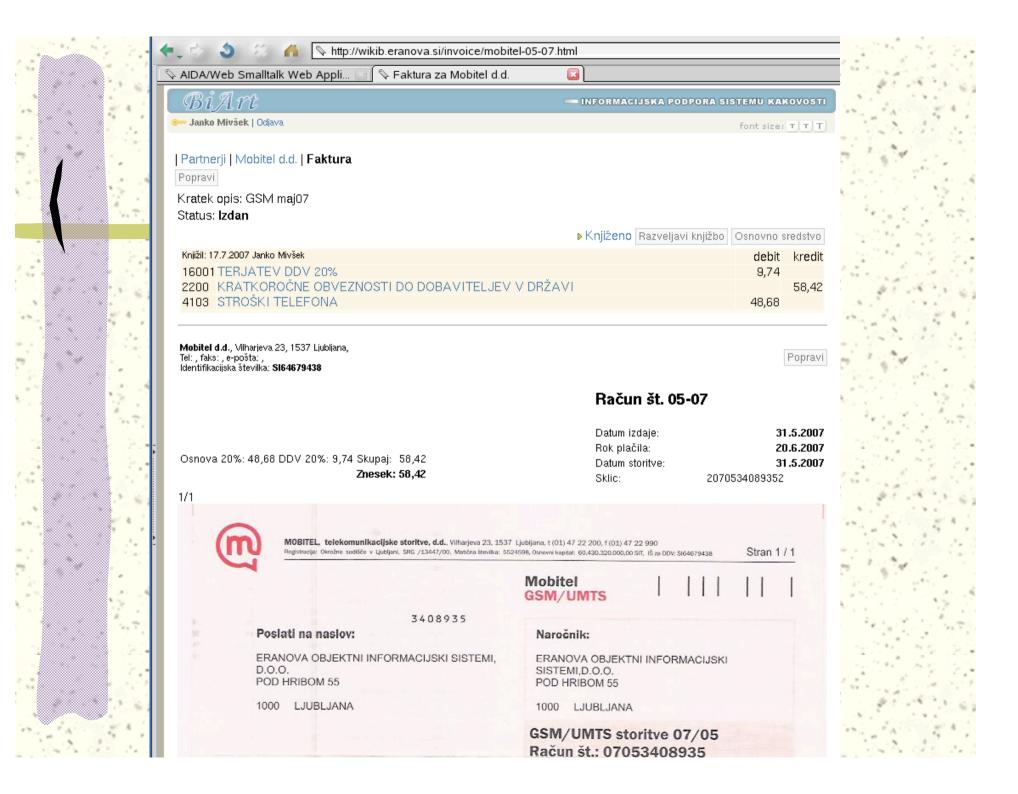


## **Business Activity Monitoring (BAM)**

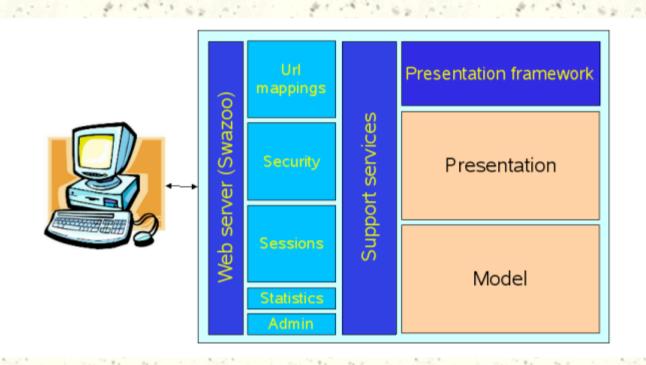


# BiArt product family

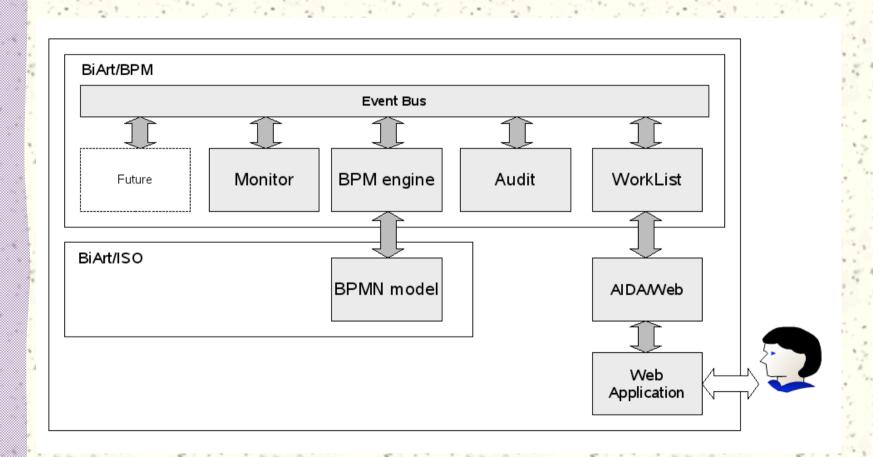




## AIDA/Web Architecture



#### BiArt/BPM Architecture



# Questions?

janko.mivsek@eranova.si

