



Product Line Configurations guided by Process Traces

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PRODUCT LINE CONFIGURATIONS GUIDED BY PROCESS TRACES

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MASS CUSTOMIZATION SOLUTIONS

One to One offer with a maximum of
specific requirements.



PRODUCT LINES

Similar products sharing common
characteristics and satisfying particular
requirements.



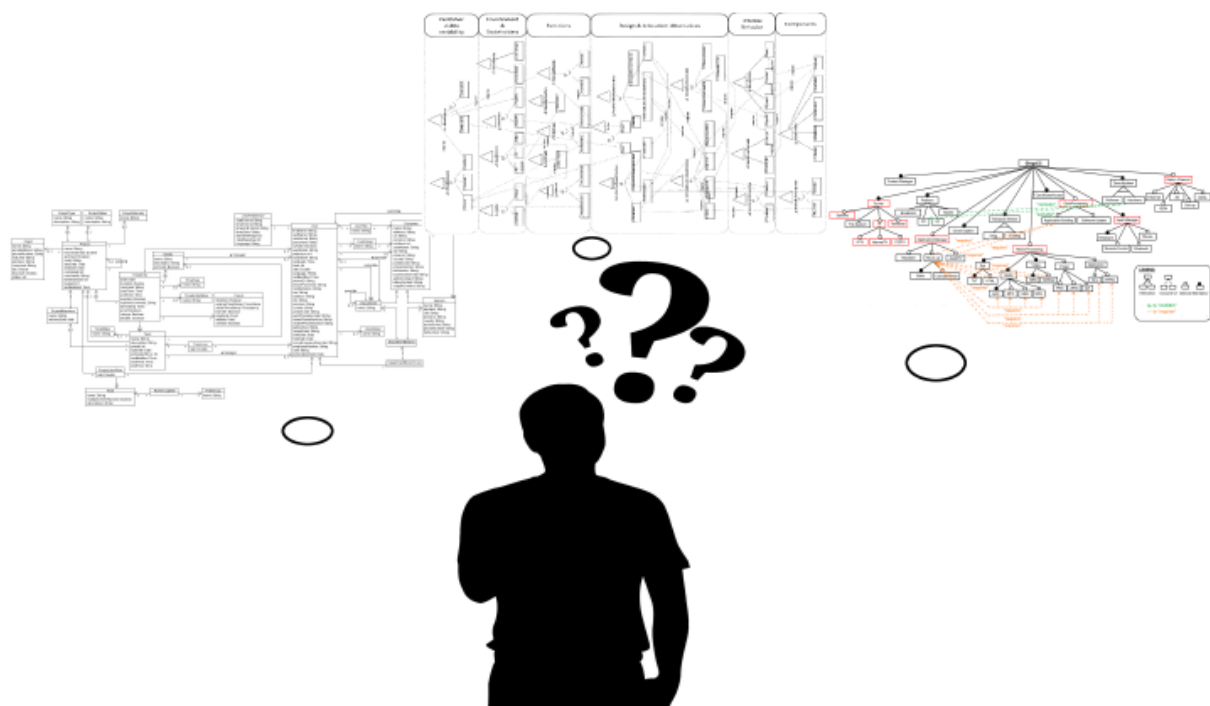
A configuration represents a product of
the Line.



PROBLEM STATEMENT

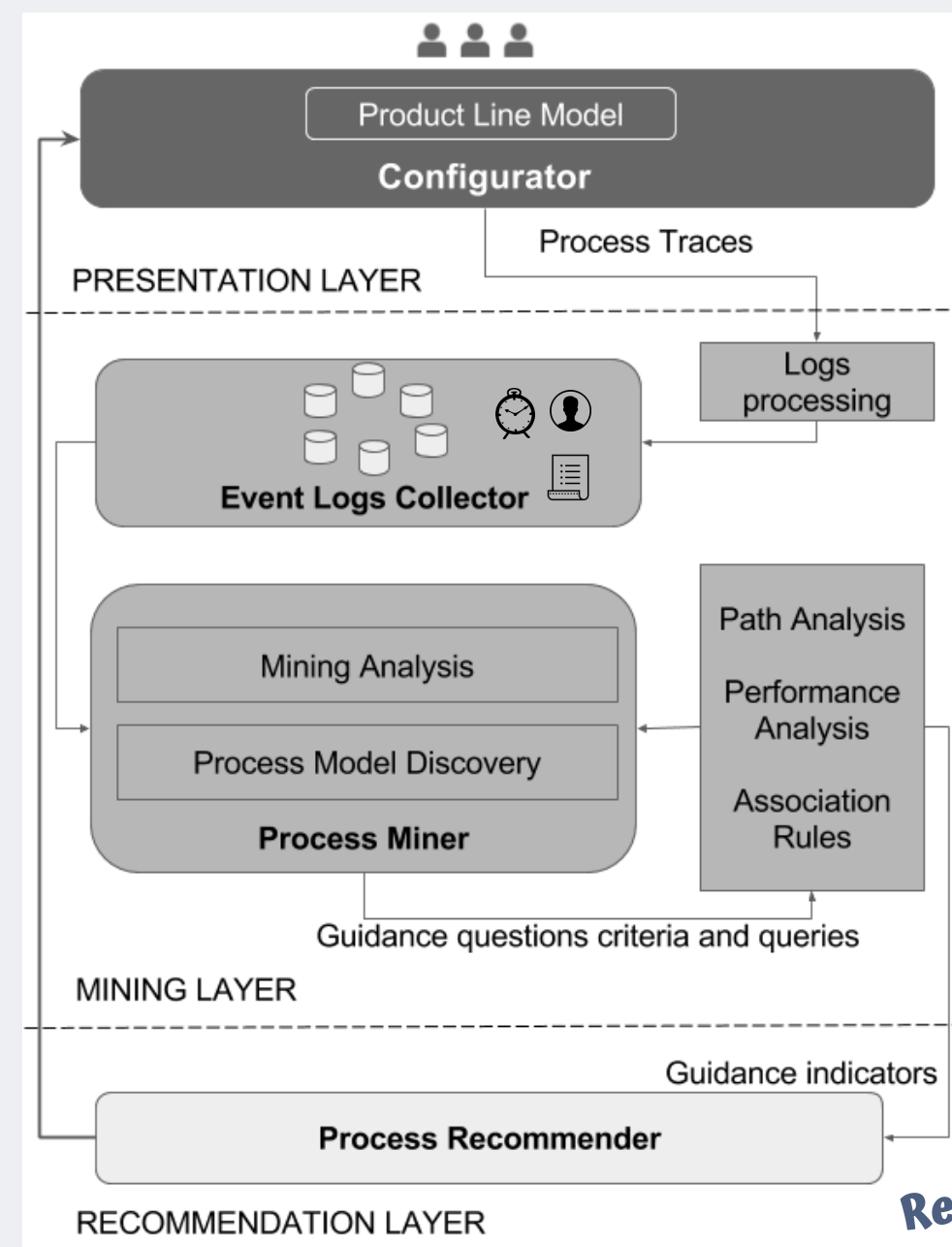
The configuration process becomes
quickly complex when considering :

The big number of constrained decisions,
The order of decisions,
The runtime of inappropriate decisions.



How to guide, provide proposals and
recommend choices!

PROCESS MINING AS A SOLVING TOOL



GQM

**3 Guidance
Goals**

Rapidity
Flexibility
Customization

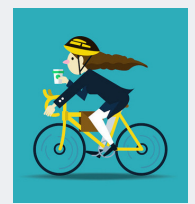
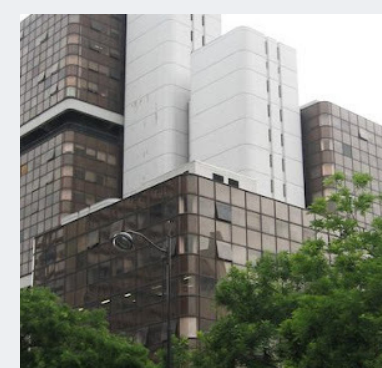
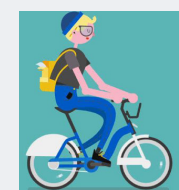
**25 Guidance
Questions**

**47 Evaluation
Metrics**

**Recommendation of
Process Orders and
decision values**

Overview of the "ConfLog" method :
This method is currently under development in the CRI Laboratory

EXPERIMENTATION IS LOADING!



A bike for each student! Let's Configure!

- Outcome 1 : Collect Real Configuration process Traces
- Outcome 2 : Evaluate the guidance of the "ConfLog" Configurator.

WHAT WE WILL DO!

Situational Approaches : Goals will be detected
and orchestrated automatically according to user
partial Configurations.

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