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Product Line Configurations guided by Process Traces

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PRODUCT LINE CONFIGURATIONS GUIDED BY PROCESS TRACES

Houssem CHEMINGUI, Camille SALINESI, Ines GAM,
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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.



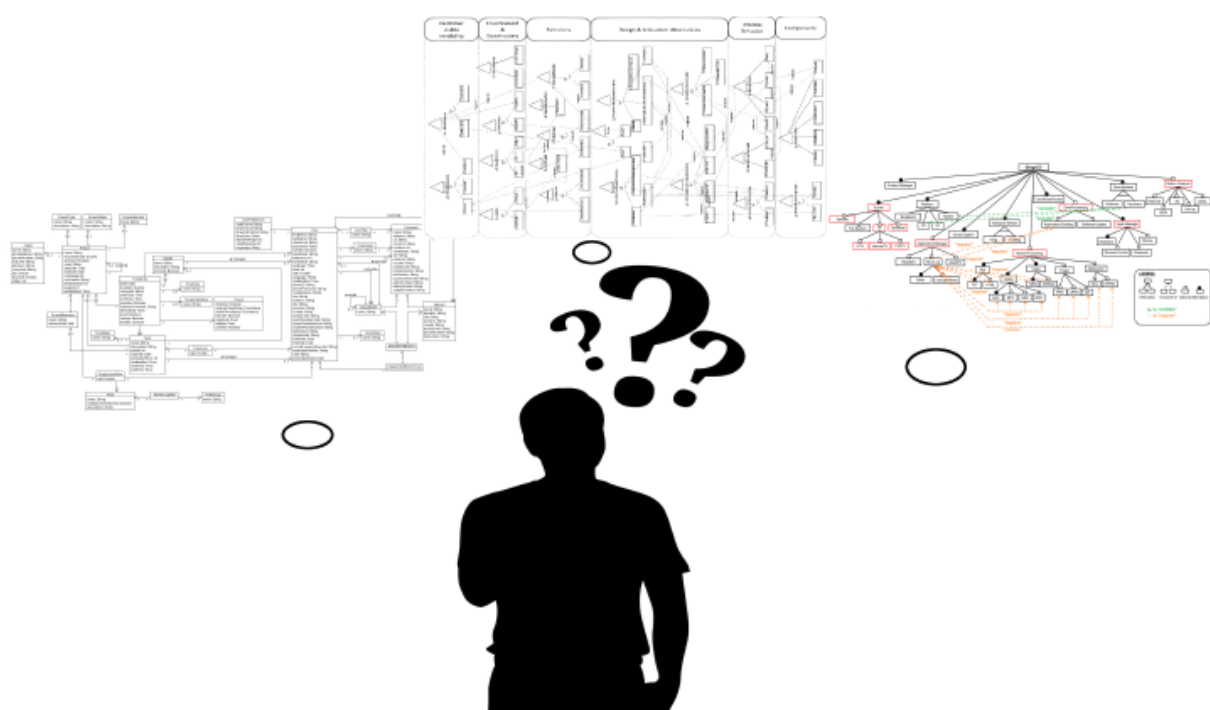
A configuration represents a product of the Line.



PROBLEM STATEMENT

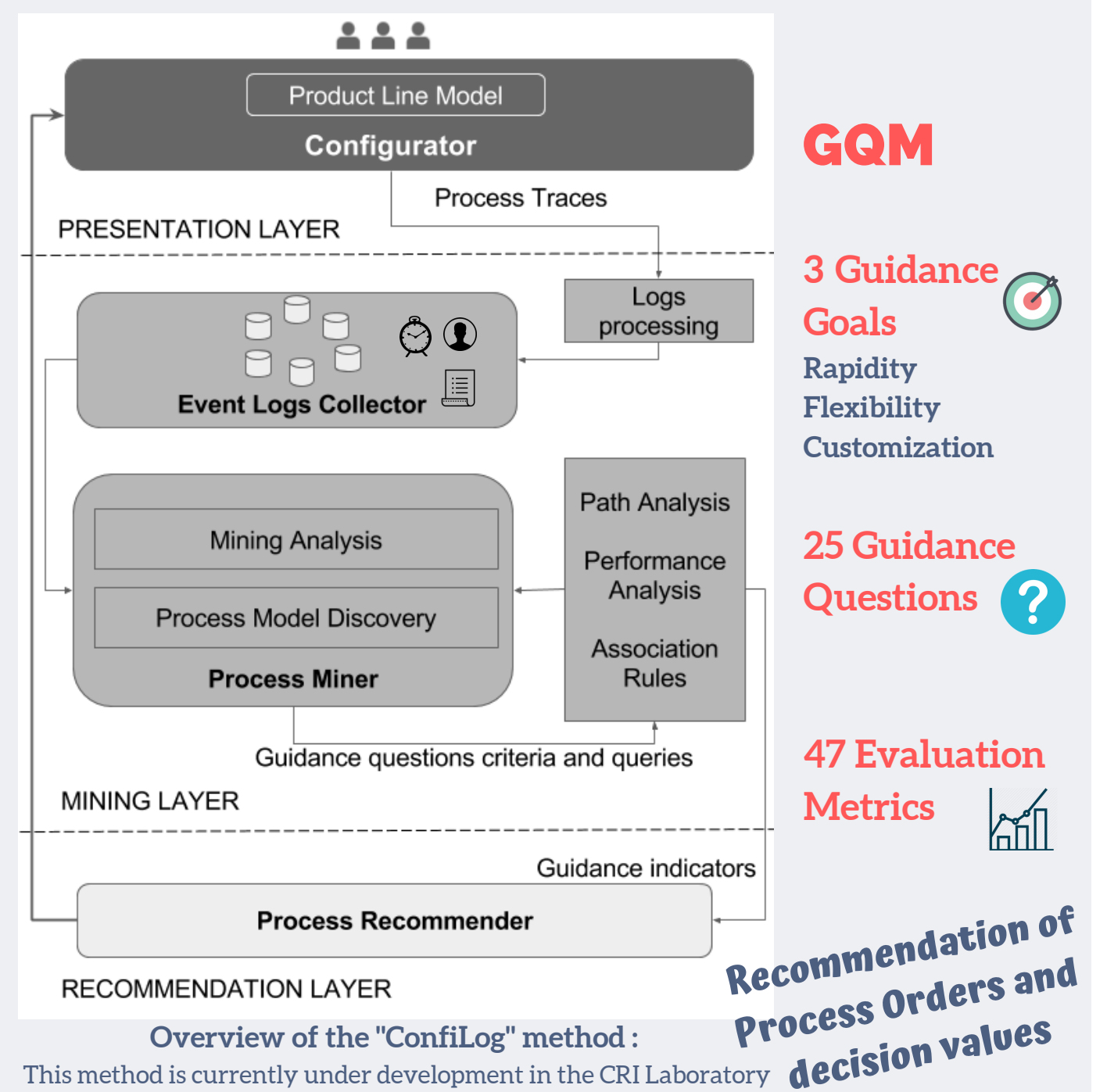
The configuration process becomes quickly complex when considering :

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

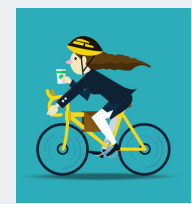
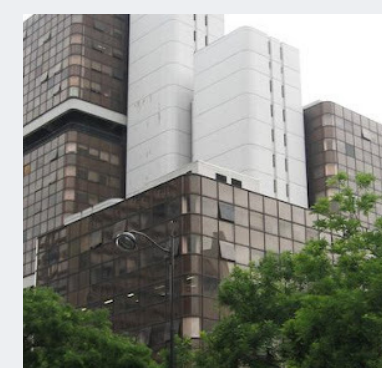
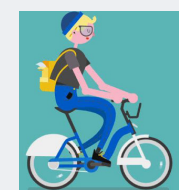


How to guide, provide proposals and recommend choices!

PROCESS MINING AS A SOLVING TOOL



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 "ConfiLog" Configurator.

WHAT WE WILL DO!

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

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