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# SW Component Selection

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# Industry-academia joint study on software selection

*“The study applies a **scientific approach** to an **industry-relevant problem**.*

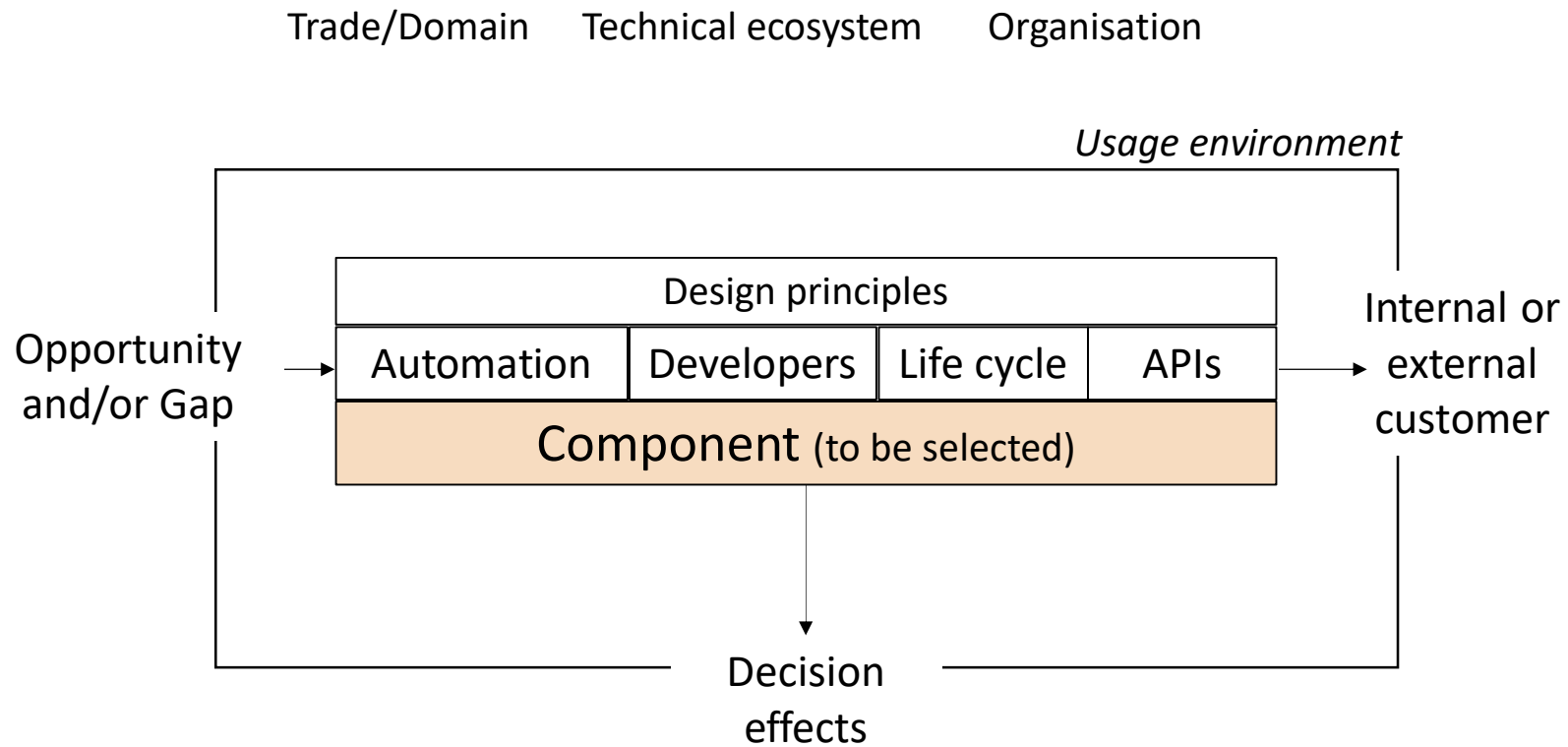
*The main output of our collaboration is the design of a novel model for selecting SW components. The model is based on a systematic analysis of existing research that is combined with insights into industry practices in the design of a practically applicable model.*

*This combination of industrial & academic perspectives promotes **relevance** in research, and a **systematic and scientific approach** in industry.”*

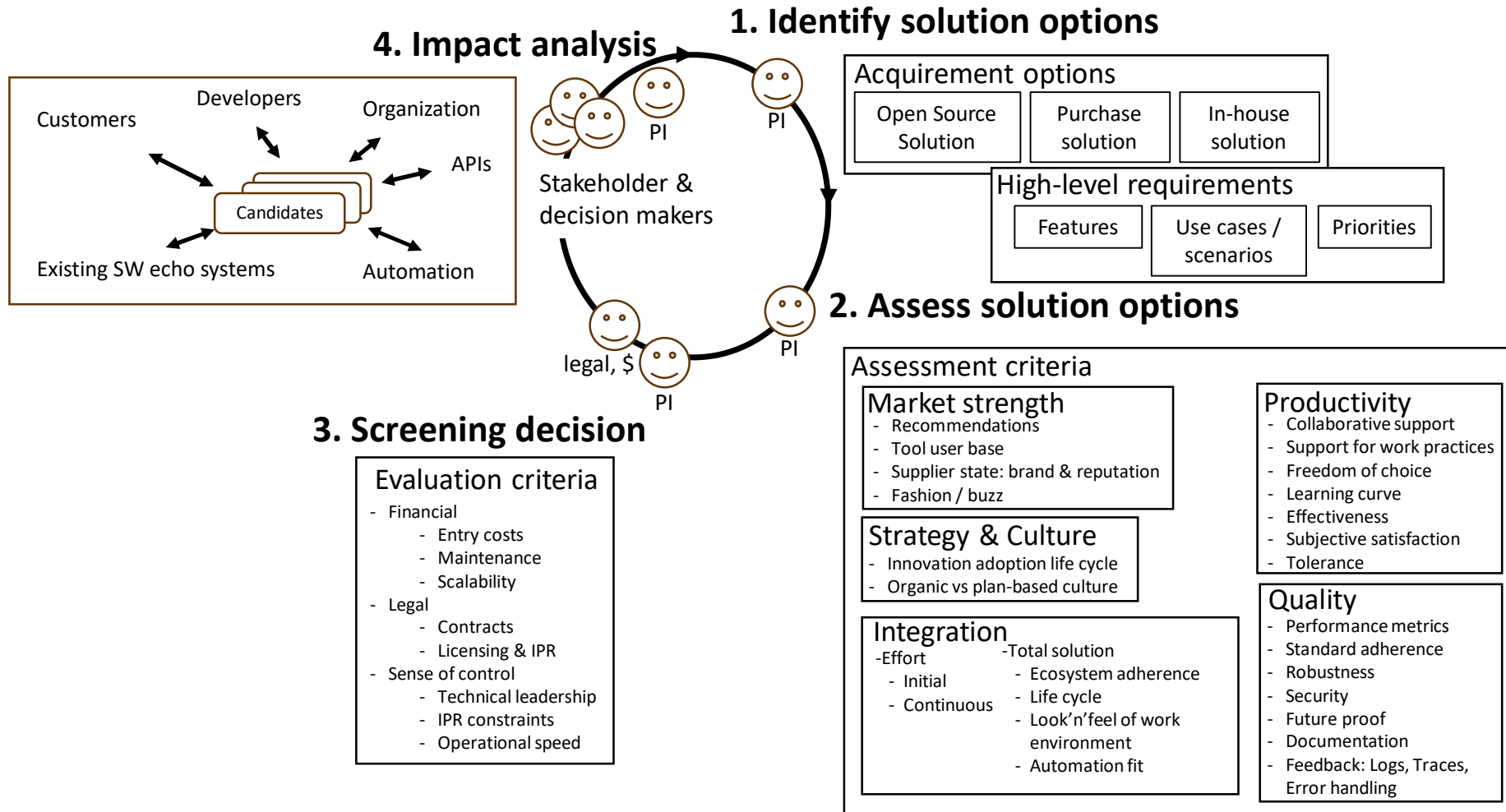
Elizabeth Bjarnason, LTH  
Patrik Åberg, Ericsson

# Problem domain

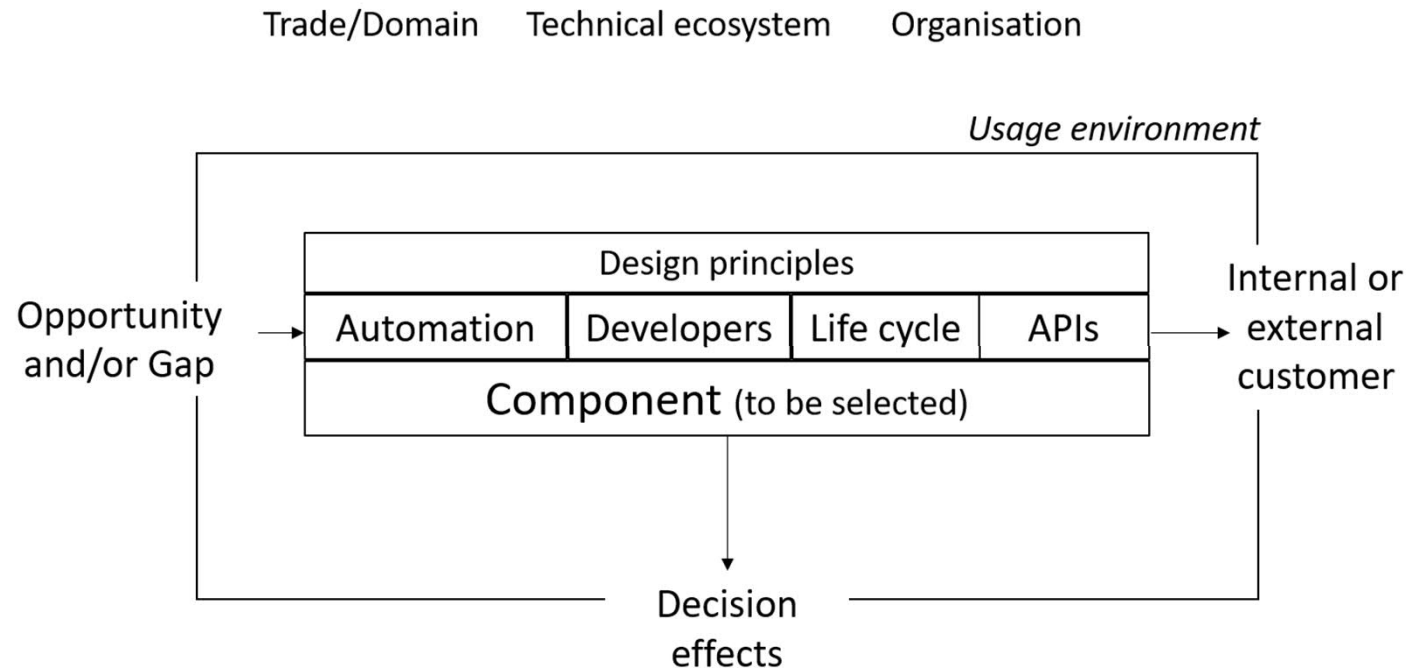
Decision support model for selecting software components for a given **opportunity or gap** and **requirements and constraints posed by the problem domain**.



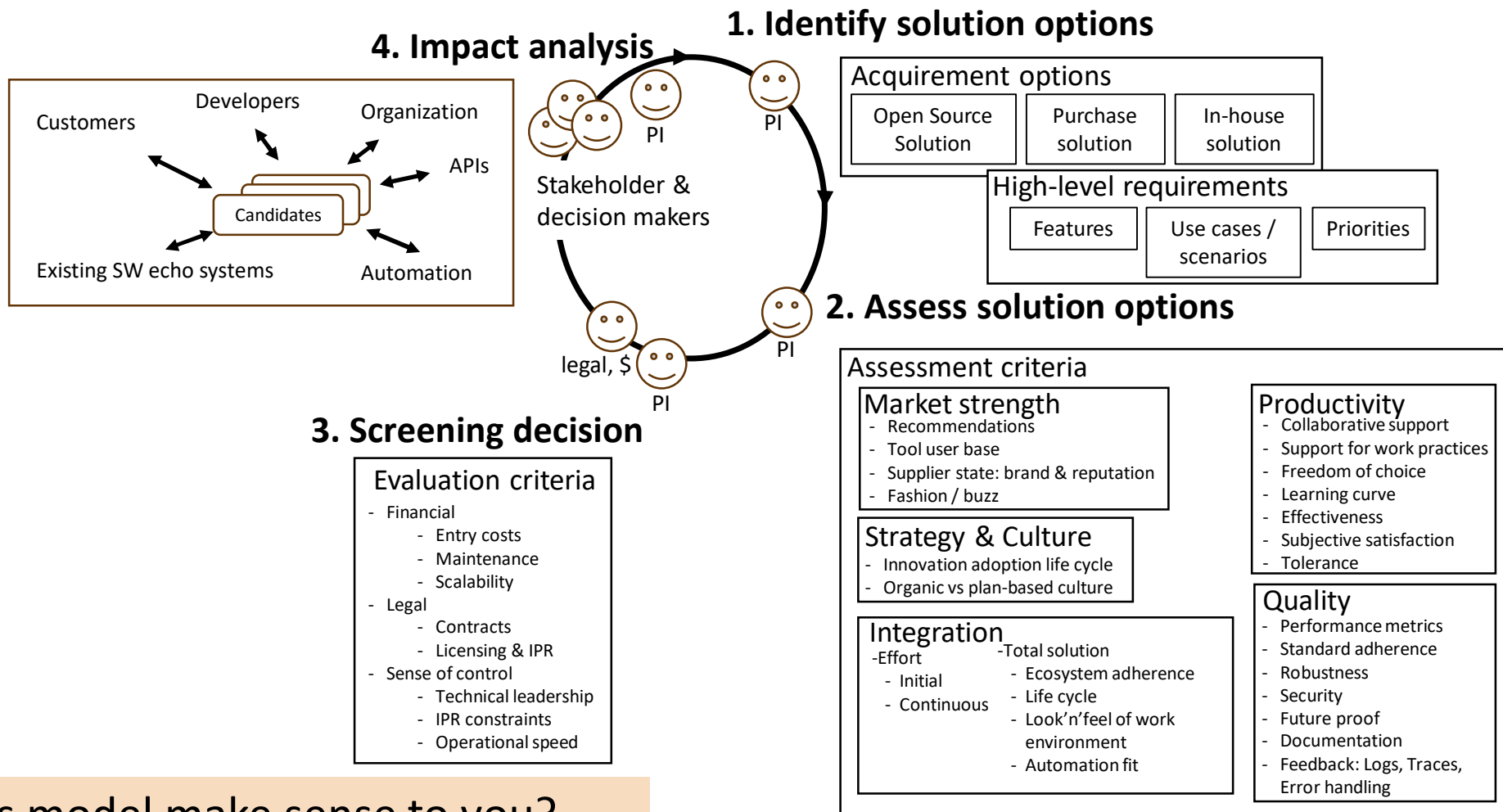
# Software Selection Model v 0.3



# Problem domain

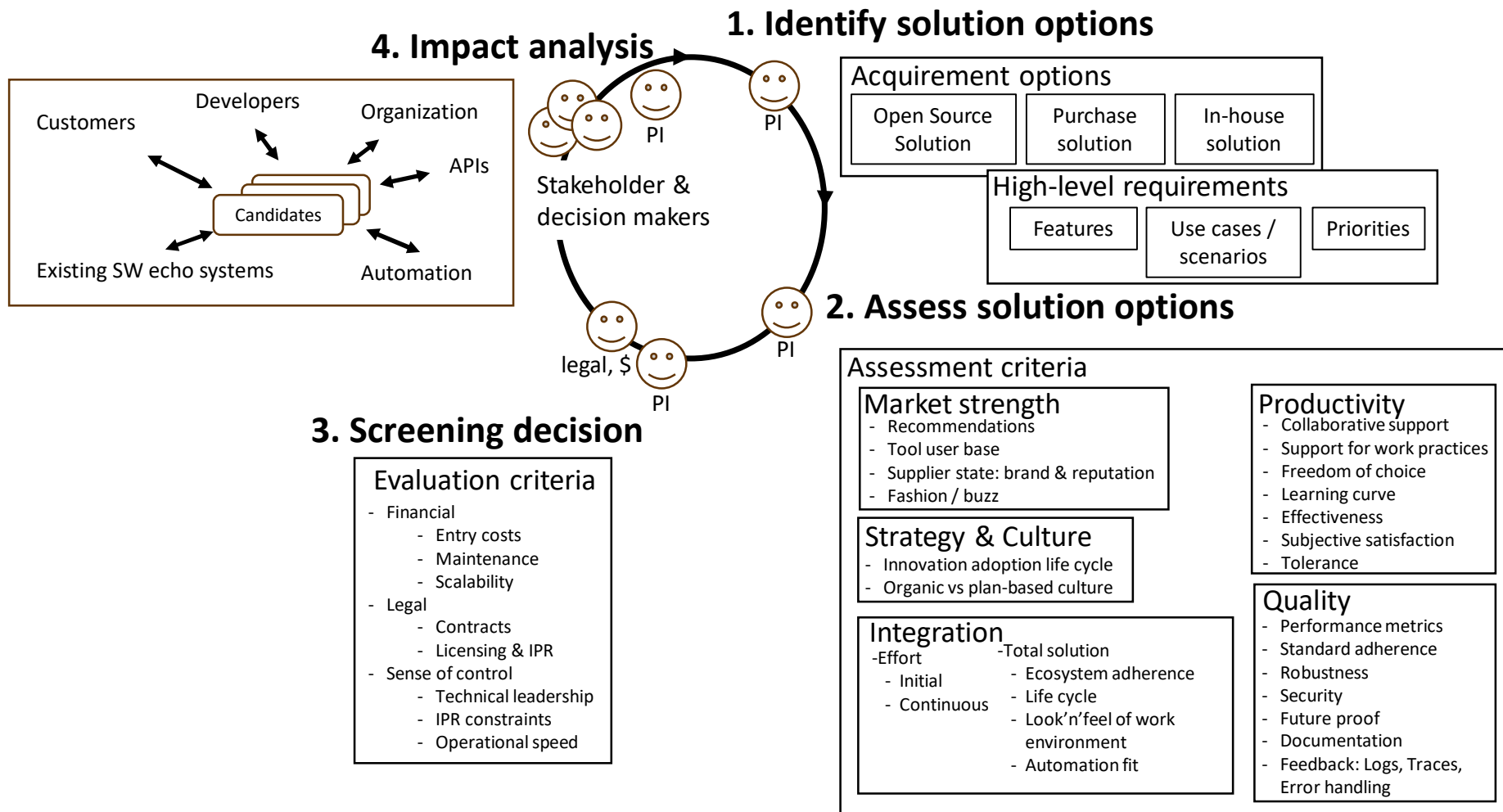


- How does this problem domain relate to your work?

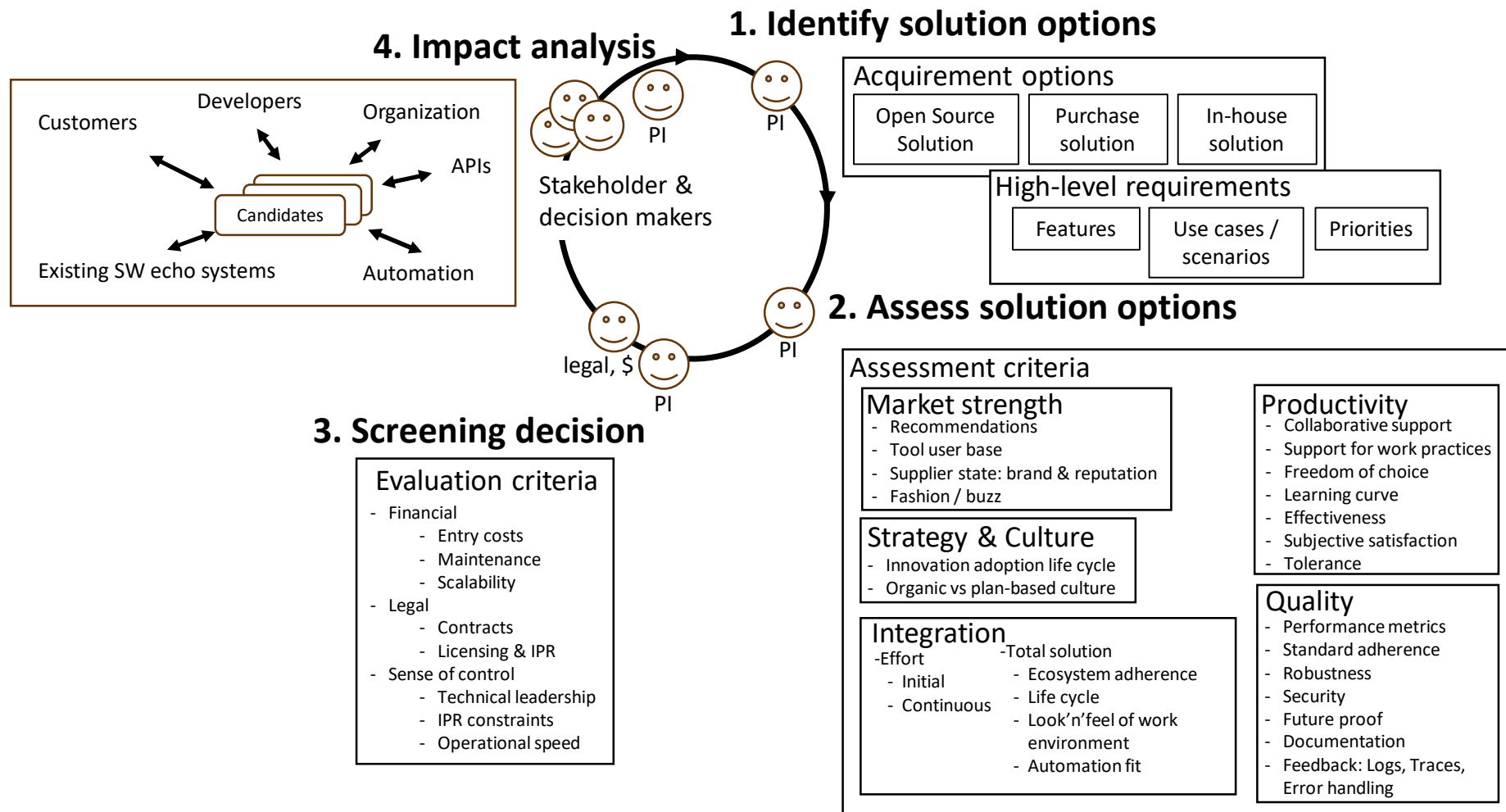


Does this model make sense to you?

- the flow
- the criteria



Where are your focus areas today?



What in this model do you want to focus on more?





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THANKS!

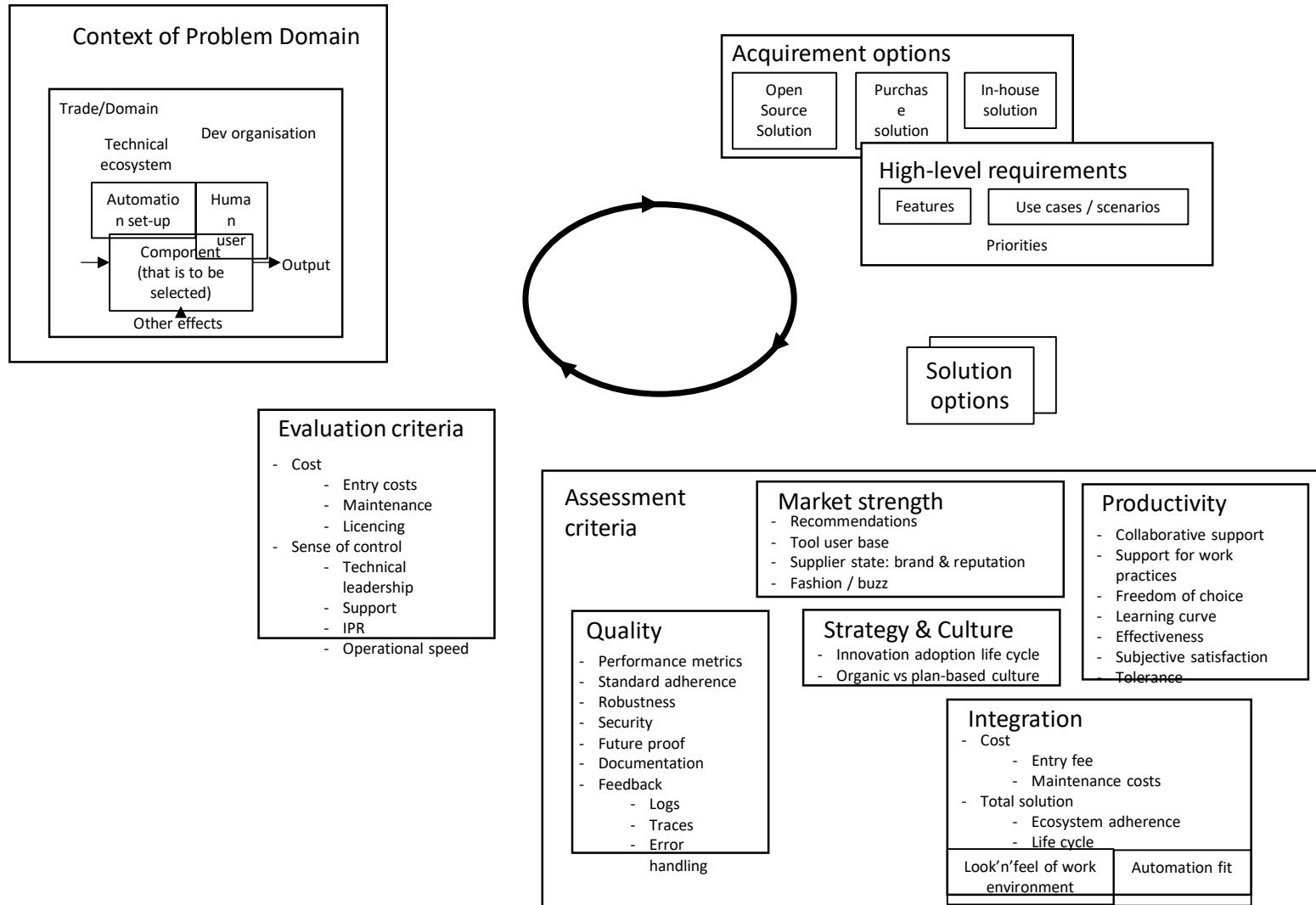




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Previous versions

# Software Selection Model v 0.2 2020-09-15



# Ericsson-CS Collaboration

## Aims

- identify good way of working together
- Do something together as an example
- Scope
  - Initial: criteria for selecting software tools
  - Modified: software component selection

***RQ1:** What criteria are relevant for Ericsson to consider?*

***RQ2:** How can cost and benefit be considered and balanced?*

***RQ3:** How is the selection affected w.r.t. the aim to improve a) overall productivity and b) product quality?*

# Method, so far...

