

Building Domain Models from Legacy Documentation Assets



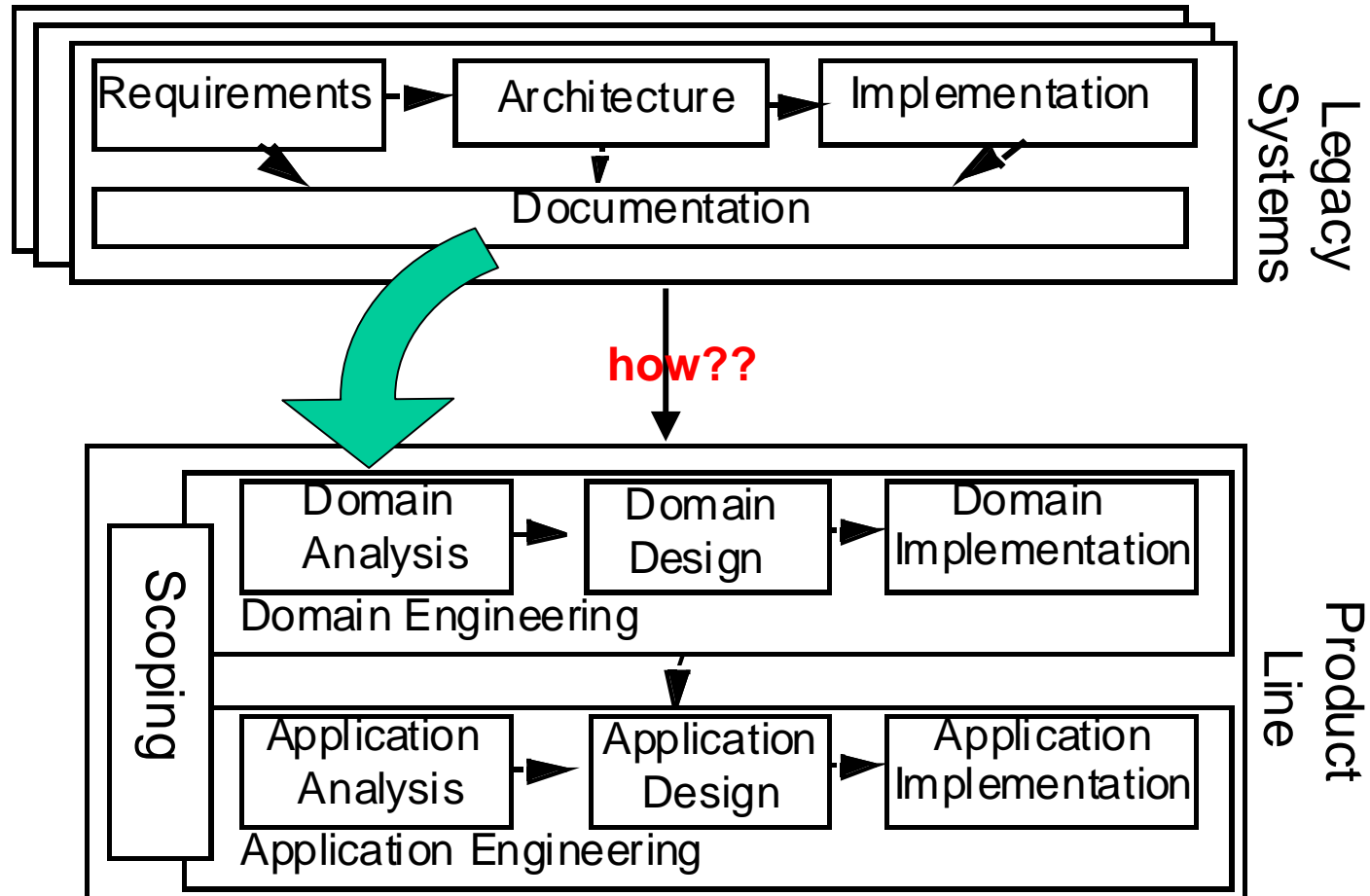
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Institut
Experimentelles
Software Engineering

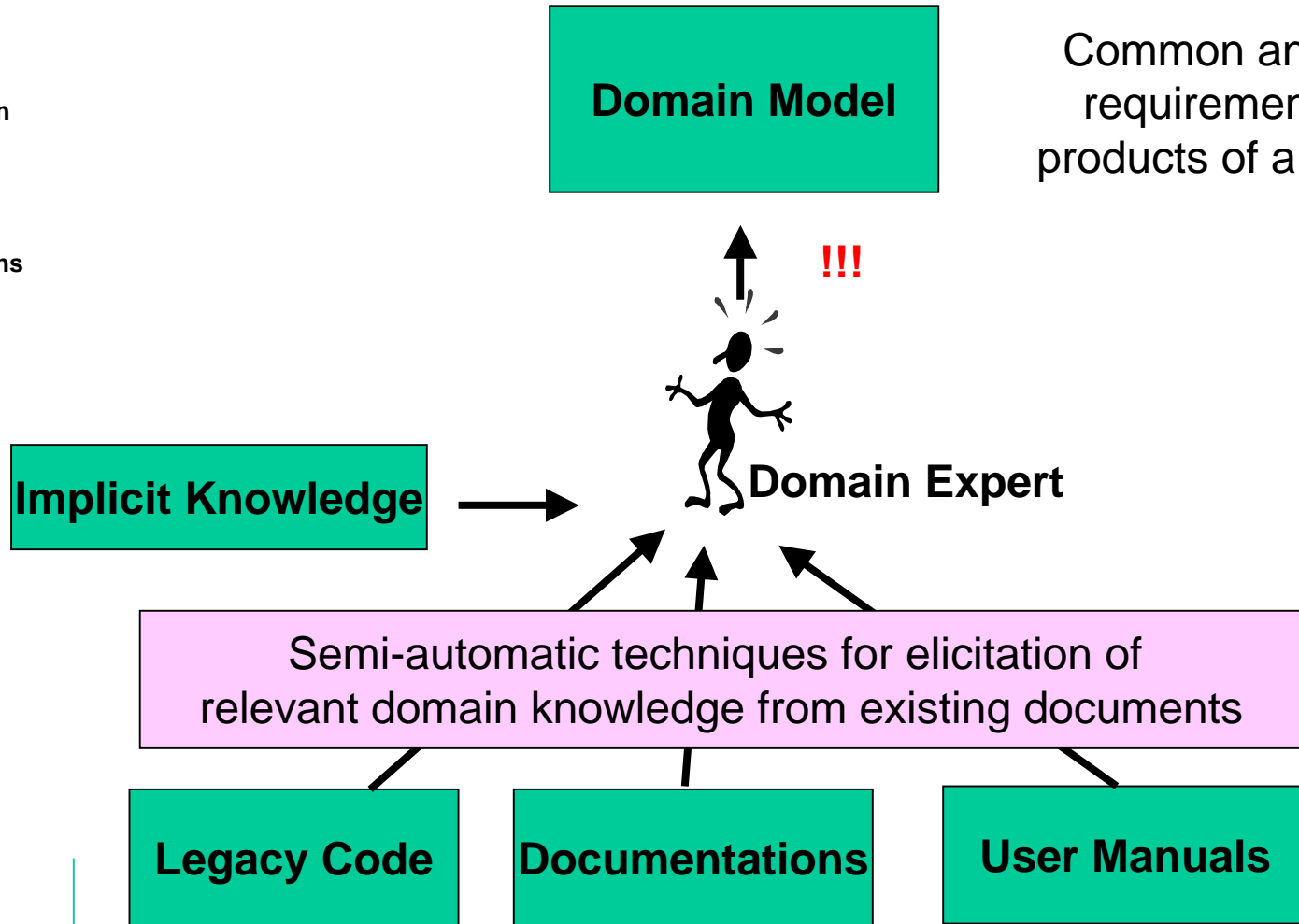
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- Outline
- Situation
 - Problem
 - Solution
 - Questions



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Common and variable requirements on the products of a product line

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Implicit Knowledge



Domain Expert

Interactively present the results to the domain experts

Use those documents
To elicit core concepts,
features, use cases..
Of the domain

Find commonality
and variability by
comparing
multiple documents

Use document-based
techniques like keyword-
extraction, parsing to find
Relevant information

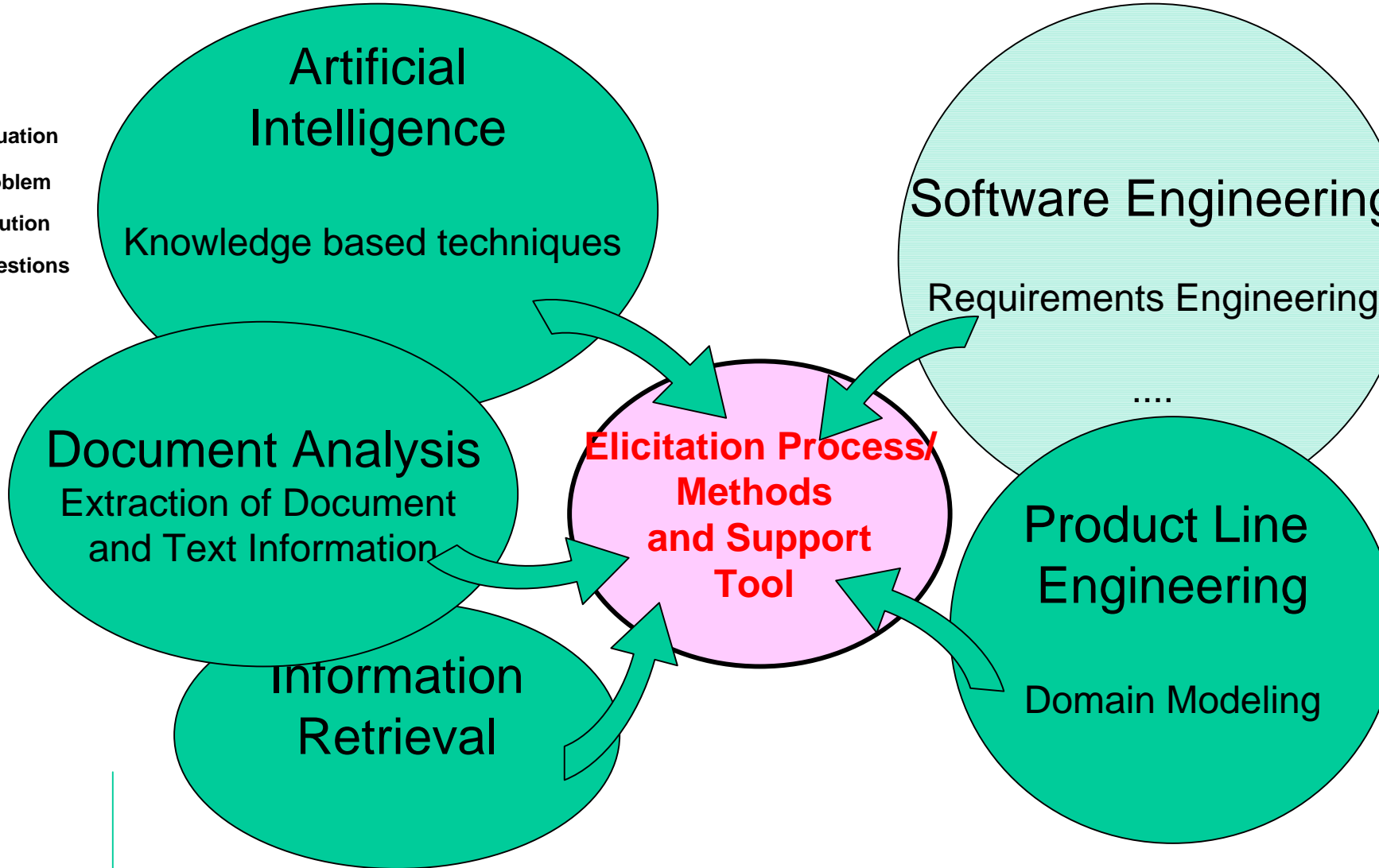
Legacy Code
comments

Documentations
Requirements
Specifications

User Manuals

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Outline

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Solution

Questions

- Can the necessary knowledge and information for domain modeling really be found in existing documents?
 - Which assets do usually exist, what documents are there in practice and which ones are important for an analysis?
 - Variability is an important issue in PLE. Can it be found in documents (from more than one legacy system) and elicited from them?
 - Are the documentation assets really comparable?
 - Can all this work (automatically)?
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- **Your Questions ???**

Outline

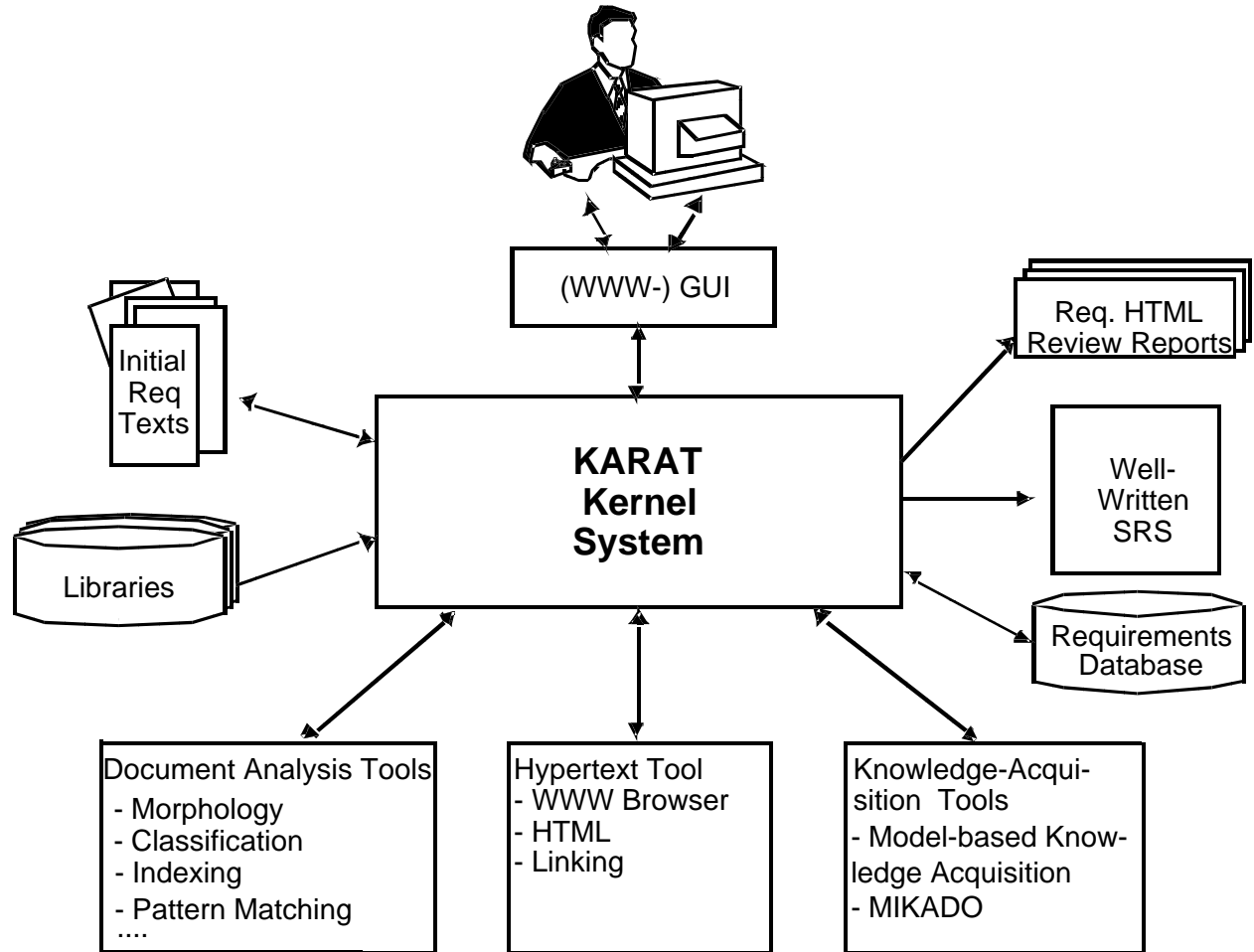
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