**K-Discovery**
- Identification, explication, and visualization of shared knowledge structures
- Application of Topic Maps in collaborative organizational memories
- Gain of new knowledge through the creation of new contexts
- Support of human cognition pattern
- Visualization of semantic networks

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**Continuum of Context Explication**

<table>
<thead>
<tr>
<th>Data approach</th>
<th>Information approach</th>
<th>Descriptor approach</th>
<th>Meta content approach</th>
<th>Knowledge approach</th>
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<tr>
<td>Knowledge worker</td>
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<td>Large structured data sets</td>
<td>Unstructured information objects</td>
<td>Information objects</td>
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<tr>
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<td>Pattern identification</td>
<td>Patient search</td>
<td>Attribute-based search</td>
<td>Knowledge-based search</td>
<td>Topic maps</td>
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<tr>
<td>Ease of context explication</td>
<td>Context</td>
<td>Context</td>
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**Selected Publication**

Stefan Smolnik, Stefan Kremer, Lutz Kolbe
*The Continuum of Context Explication — Knowledge Discovery through Process-oriented Portals*
*(International Journal of Knowledge Management, 2005)*

Stefan Smolnik, Ingo Erdmann
*Visual navigation of distributed knowledge structures in groupware-based organizational memories*

Stefan Smolnik, Ludwig Nastansky
*K-Discovery: Using Topic Maps to Identify Distributed Knowledge Structures in Groupware-based Organizational Memories*
*(Proceedings of the 35th Hawaii International Conference on System Sciences, 2002)*

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**GTM Modeler**

**Sky Surfer**

**Hyperbolic Surfer**

**Contextual Surfer**

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**Partners**

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**K-Discovery** — Knowledge Management with Topic Maps in Collaborative Environments