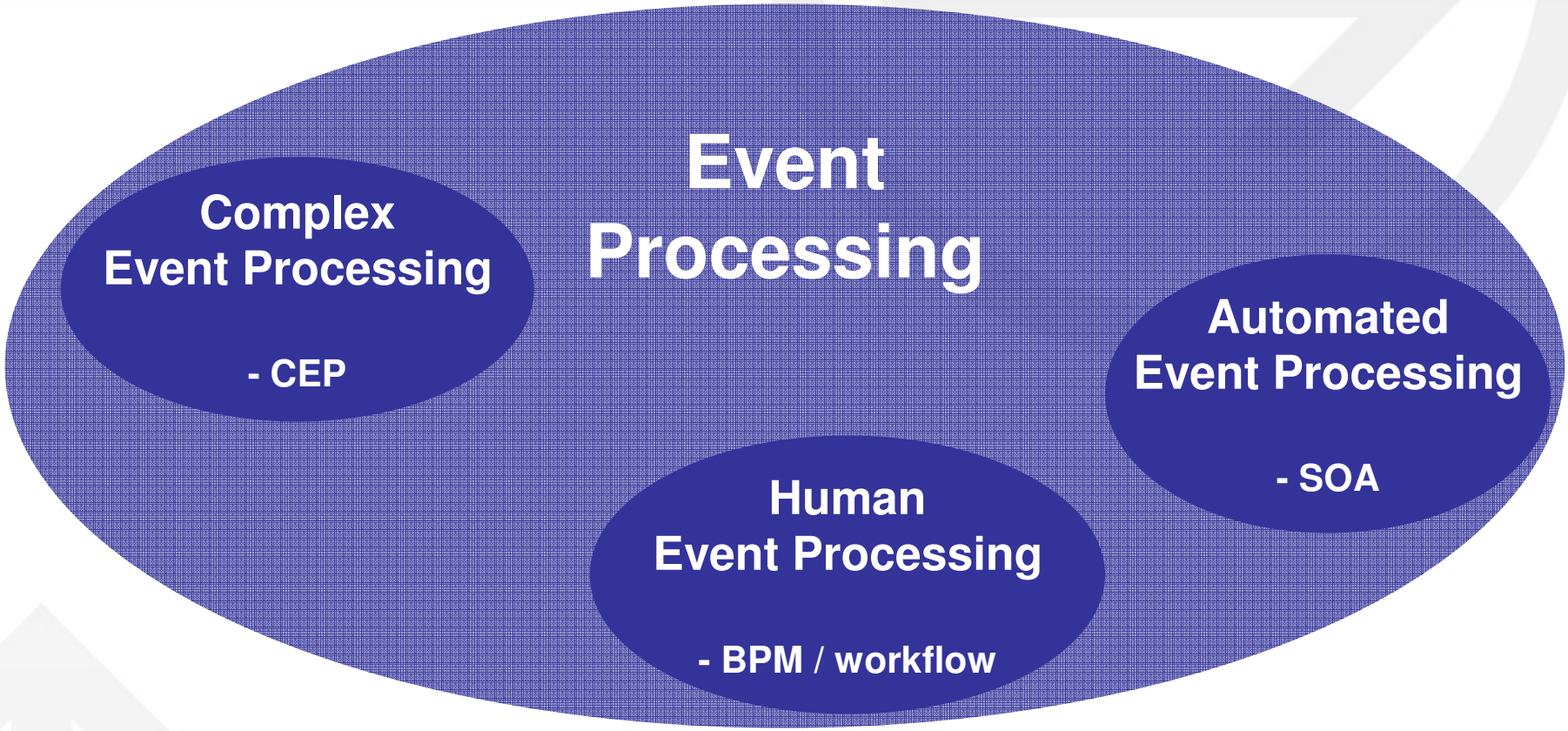
BPMI ThinkTank: CEP with BPMS for Agility



Enterprise view of Event Processing

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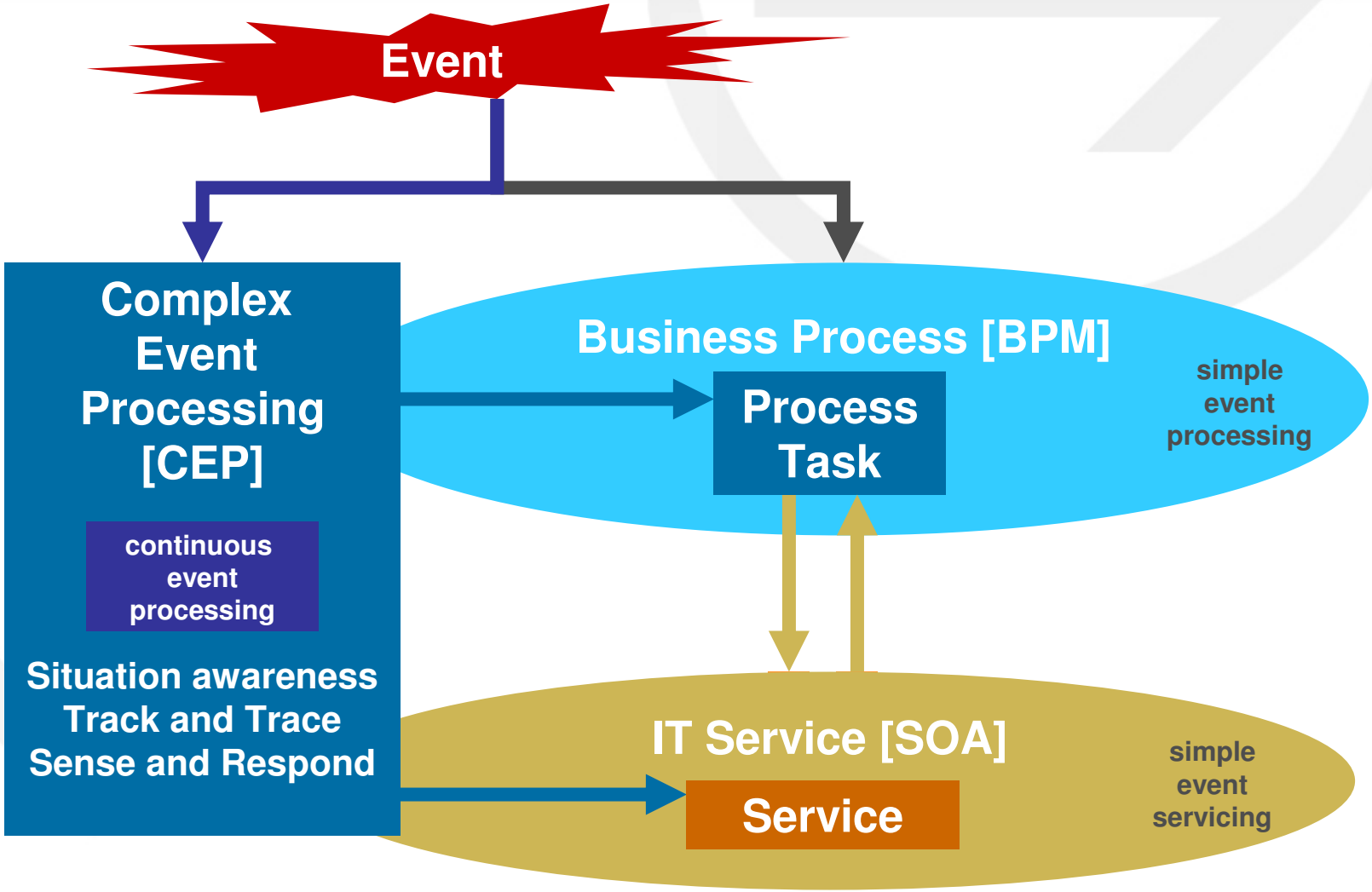
Intro: CEP Role in Processes



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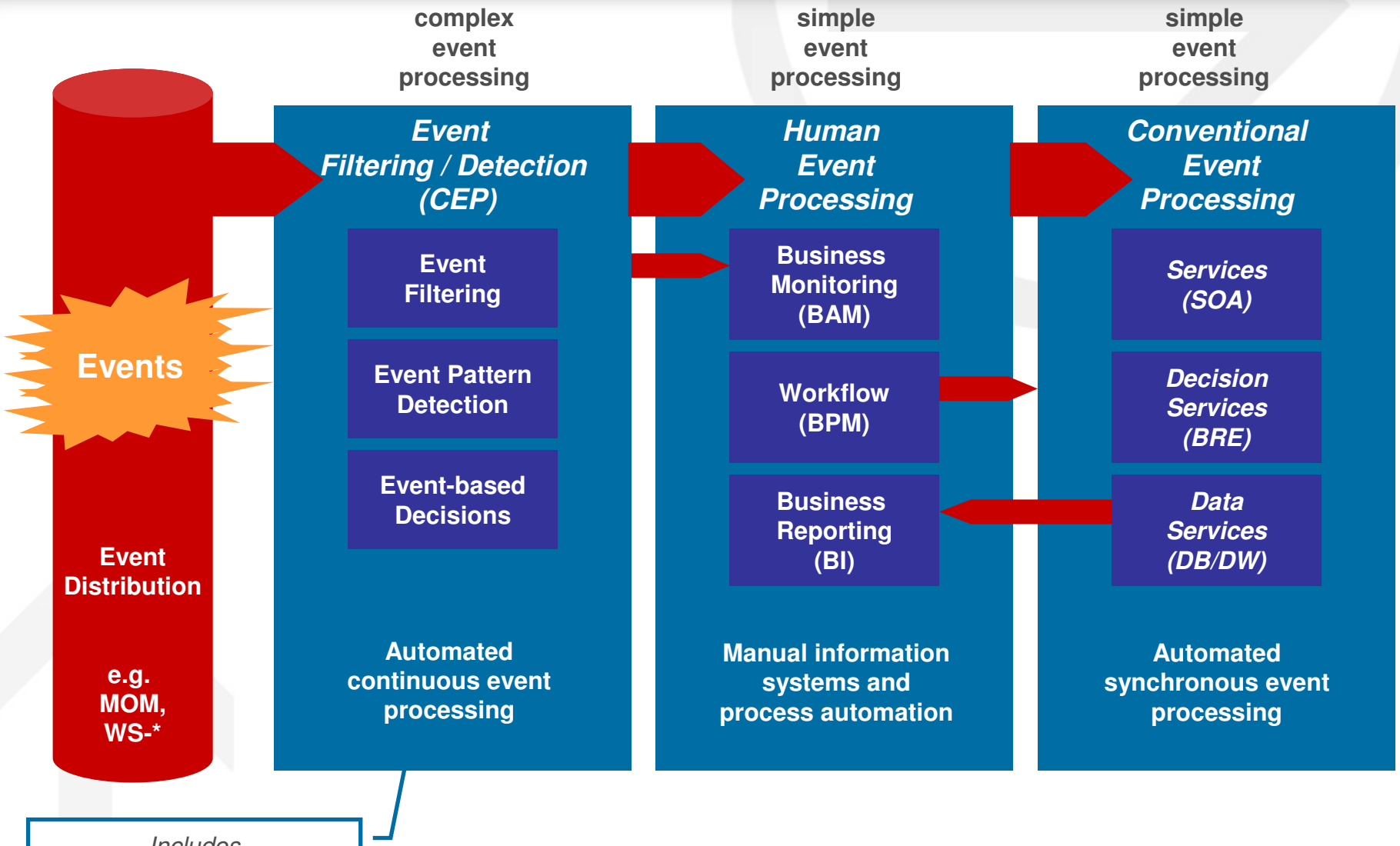
Intro: Event Processing Components



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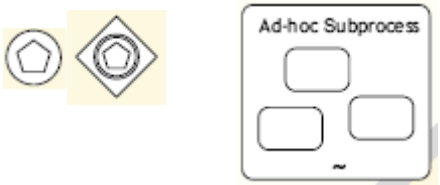
Intro: CEP Role in Detailed Processes

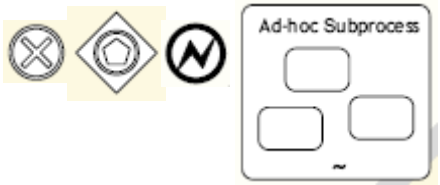


Many process-driving events are in reality abstract events

CEP can handle these bsaed on collections, time, etc

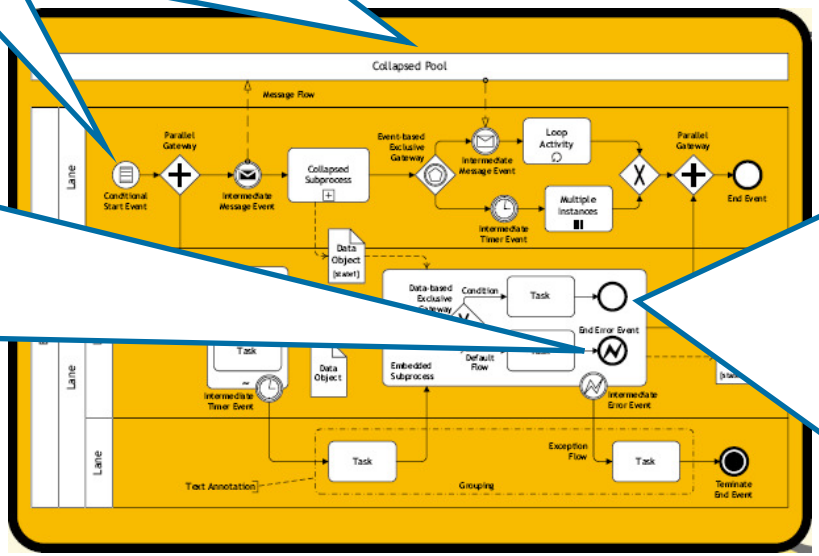
Many process diagrams cannot easily handle complexities such as case-management, cross-process inference rules, etc

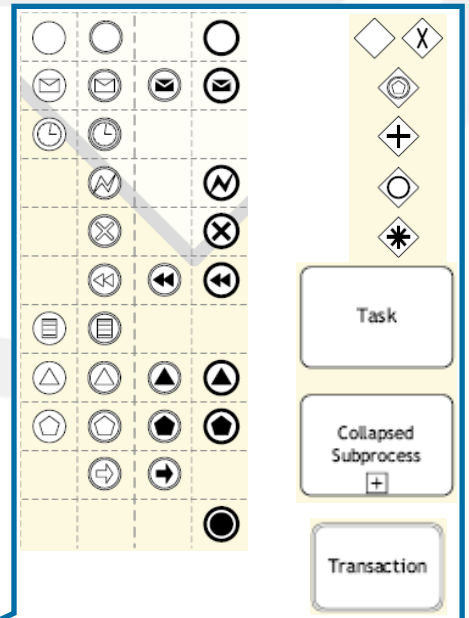
CEP can usefully "drive" BPM



Many exceptions are "cross process" and based on patterns of multiple events

CEP can monitor process exception events across processes / process instances





Monitoring process events for business monitoring is essential for process improvement

CEP can monitor process runtime events across processes / process instances

BPMN content courtesy of HPI BPMN1.1 poster - bpt.hpi.uni-potsdam.de

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Roundtable Issues & Resolutions

1. **Need to monitor / measure processes + performance, across different process levels and vendors**

   ➔ CEP can provide real-time BAM / reporting / oversight / control capabilities for BPM (+ SOA)

   - To support necessary Prevention, Detection, Correction

2. **Enterprise Architecture view needs to view events, processes as more abstract than BPMN and Event Patterns**

   ➔ CEP modeling not yet mature / standardized [see PRR et al]

3. **How does CEP add "agility" to BPM?**

   ➔ Event-driven rules across / driving Processes / Process instances + Real-Time decisions close to event occurrence / detection

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Roundtable Issues & Resolutions

4. CEP may be overkill for some processes

   ➔ Indeed CEP is currently not part of any COTS BPMS
   (although some vendors provide CEP + BPM usable together)

5. Operational Intelligence overlaps with “Knowledge Management”

   ➔ Future convergence?

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