

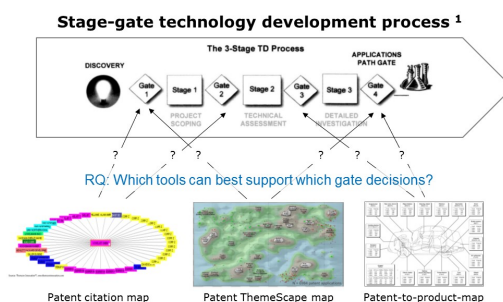
Patent informatics to support innovation processes

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What techniques are suitable for supporting what type of decision?

Aims

- Mapping of strategic decisions ($D_{i,j}$) to be taken at each technology development process gate
- Identification of relevant patent indicators / analytical techniques (T_m) relevant for decision support along technology development processes
- Matching of decisions and tools



Types of techniques for patent informatics

¹ Cooper, R. G. (2006). MANAGING TECHNOLOGY DEVELOPMENT PROJECTS. Research Technology Management, 49(8), 23-31.

Progress

- Identify decision questions at process gates by means of workshops and survey
- Literature and practice review of existing and useful indicators / analytical tools / techniques
- Compiling indicator / tool database with descriptions
- Identification of decision support potential of each indicator / analytical tool
- Validation of indicator / tool match (e.g. expert interviews, survey questionnaire)

Deliverables

Strategic decisions ($D_{i,j}$) at the four gates of the technology development process (based on literature review and STIM workshop (July 2015); results from online survey with $n=50$)

Catalogue of techniques with descriptions, examples and key sources (T_m) for analyzing patent data (based on literature review and expert suggestions):

19 techniques for structured data,
13 techniques for unstructured data

SELECTING PATENT TECHNIQUES FOR DECISION MAKING

