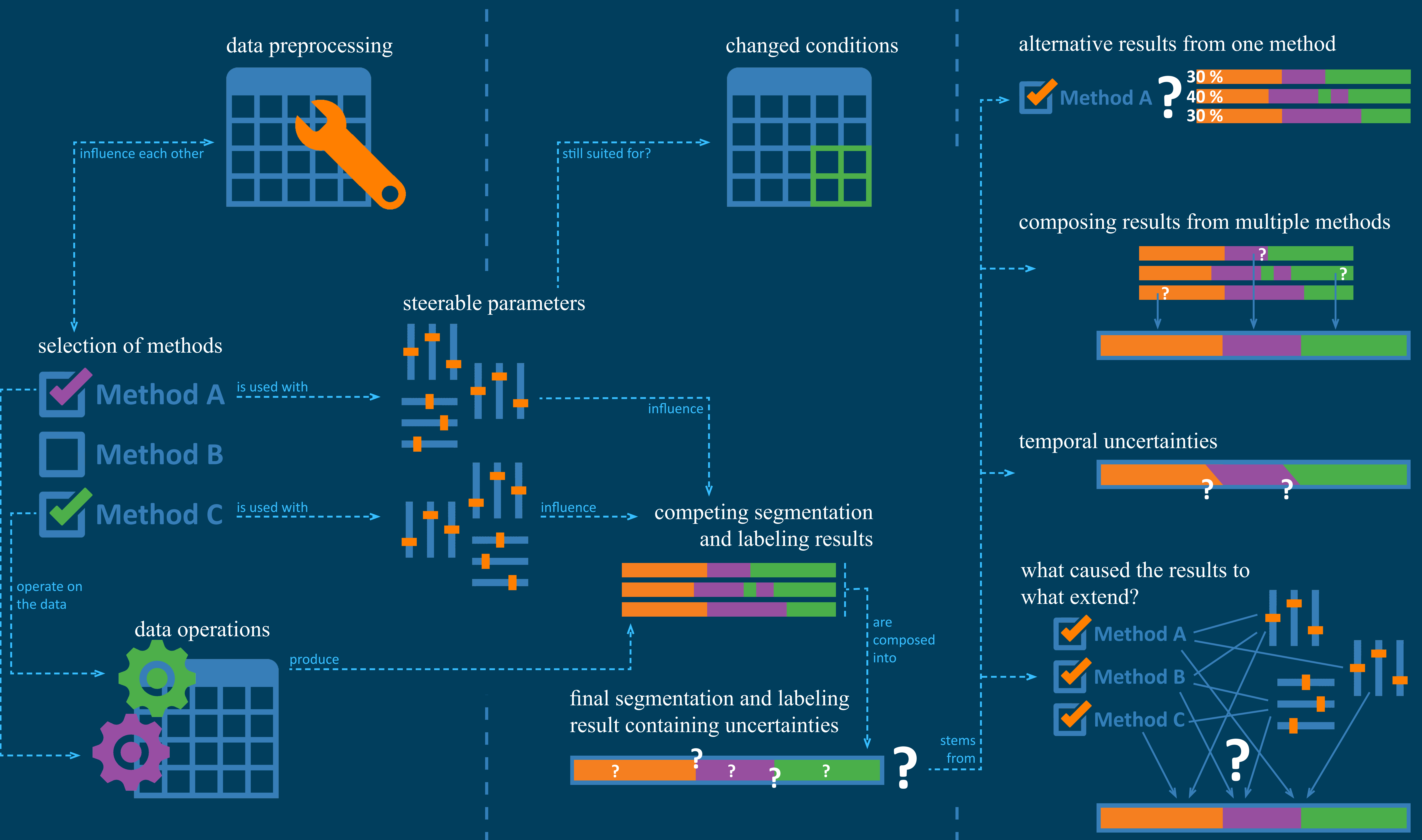


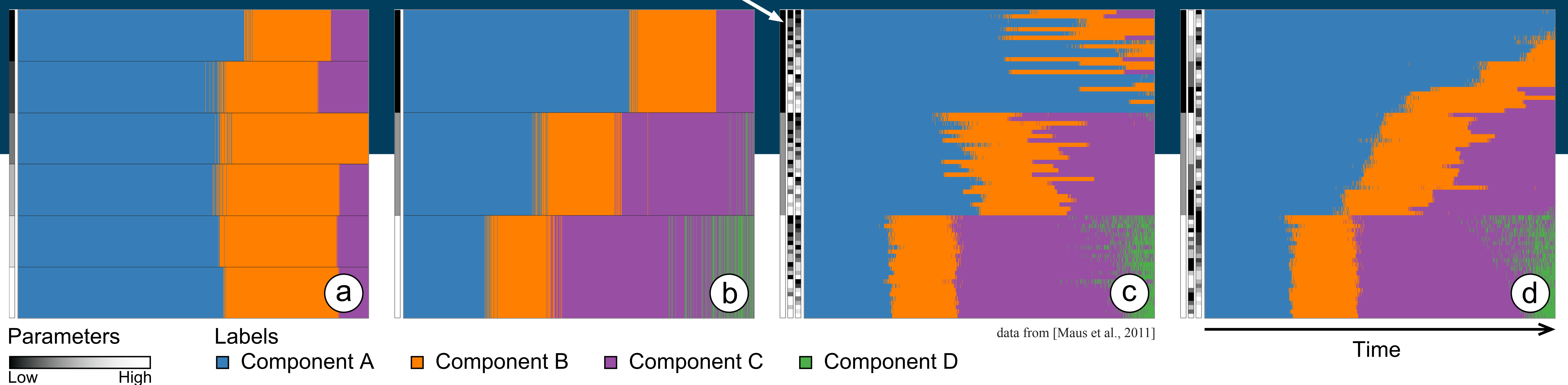
Enhancing Time Series Segmentation and Labeling Through the Knowledge Generation Model

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METHOD SELECTION → PARAMETRIZATION → UNCERTAINTIES



EXAMPLE: effects of different parameter combinations



INTERRELATED TASKS

- Selecting one or more appropriate segmentation and labeling methods
- Instantiating them with appropriate parametrizations
- Investigating different kinds of associated uncertainties
- Reasoning about the results

CONCLUSION

Visual Analytics is needed to integrate all important aspects into one workflow with immediate visual feedback

[Sacha et al., 2014] SACHA D., STOFFEL A., STOFFEL F., KWON B. C., ELLIS G., KEIM D.: Knowledge generation model for visual analytics. IEEE Transactions on Visualization and Computer Graphics 20, 12 (2014), 1604–1613.
 [Maus et al., 2011] MAUS C., RYBACKI S., UHRMACHER A. M.: Rule-based multi-level modeling of cell biological systems. BMC Systems Biology 5, 1 (2011), 177–191.