THE BIGGEST BPM PROBLEMS TO SOLVE BEFORE WE DIE

Iris Beerepoot, Claudio Di Ciccio, Hajo A Reijers, Stefanie Rinderle-Ma, Wasana Bandara, Andrea Burattin, Diego Calvanese, Tianwa Chen, Izack Cohen, Benoît Depaire, Gemma Di Federico, Marlon Dumas, Christopher Van Dun, Tobias Fehrer, Dominik A Fischer, Avigdor Gal, Marta Indulska, Vatche Isahagian, Christopher Klinkmüller, Wolfgang Kratsch, Henrik Leopold, Amy Van Looy, Hugo Lopez, Sanja Lukumbuzya, Jan Mendling, Lara Meyers, Linda Moder, Marco Montali, Vinod Muthusamy, Manfred Reichert, Yara Rizk, Michael Rosemann, Maximilian Röglinger, Shazia Sadiq, Ronny Seiger, Tijs Slaats, Mantas Simkus, Ida Asadi Someh, Barbara Weber, Ingo Weber, Mathias Weske, Francesca Zerbato

RECAP

PROBLEMS '21 workshop

@BPM 2021 in Rome

MOTIVATION

Grand Challenges
rather than
incremental ones

Open call
to the community,
involving BPM as a whole

Radical new ideas
to tackle in the
coming years

THE FUTURE GRAVEYARD OF BPM PROBLEMS

Inaccurate what-if models

Process silos

Low-quality sensor data

Fixed granularity

Subjective models
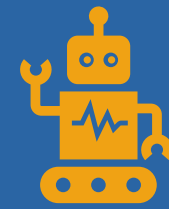
Untapped value from data

Separated work & recording

Manual process re-designs

Missing knowledge behind event data

Human vs. automation

KIBPs

We expect:
(Please help us here!)

01 to get rid of untapped value from data, process silos, and manual process re-designs

02 improvements in terms of more accurate prediction models and turning subjective models into objective ones

03 a more faithful representation of reality through tackling fixed granularity, separated work and recording, missing knowledge, and low-quality sensor data

-> Upcoming BISE special issue!

THE FUTURE IS LOOKING BRIGHT!

Beerepoot, I., Di Ciccio, C., Reijers, H. A., Rinderle-Ma, S., Bandara, W., Burattin, A., ... & Zerbato, F. (2023). The biggest business process management problems to solve before we die. Computers in Industry, 146, 103837.

THANK YOU

Contact me at i.m.beerepoot