Event driven processing

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Statistics Netherlands

Regular versus eventdriven
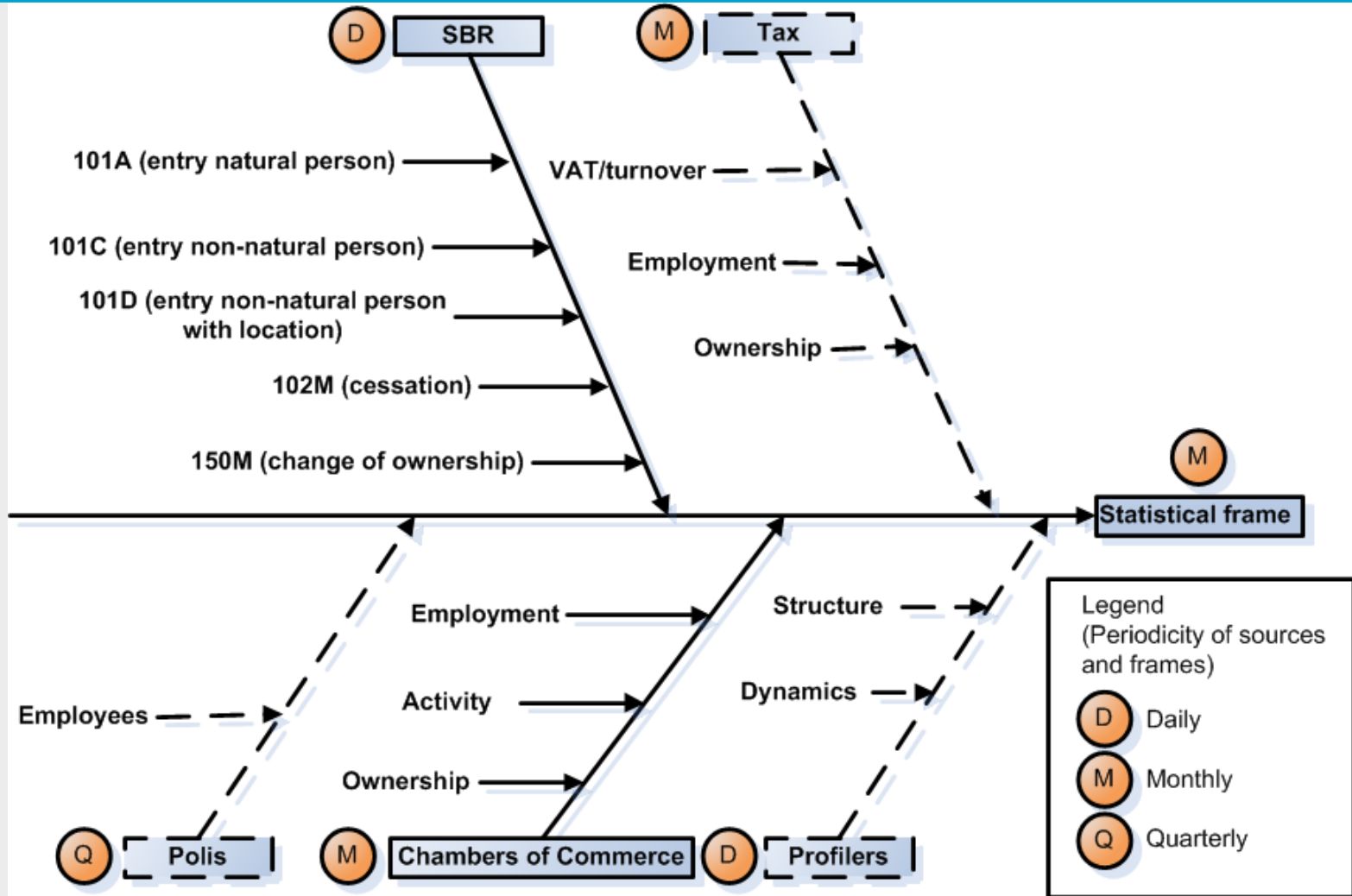
Regular versus eventdriven

Faster figures

- Nowadays people want to be informed in a fast way about events in the society
- Statistics Netherlands provides daily information on our society
- However not related to current events
- In a Proof of Concept it is shown the possibility to respond to current events in a statistical process
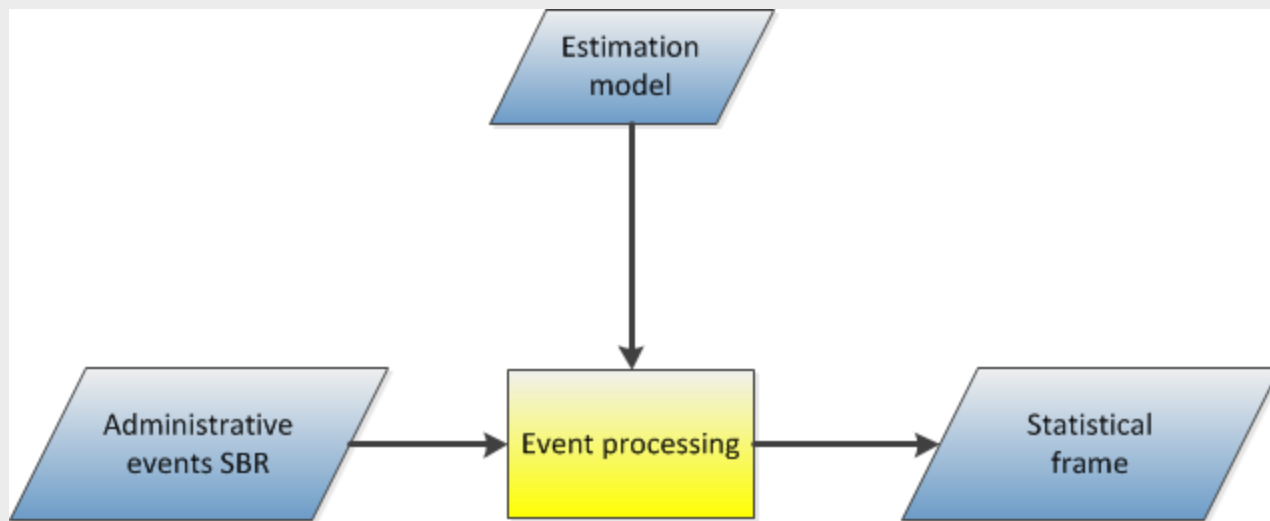
Proof Of Concept (POC)

- Events (administrative events): daily entry and exit-registration of companies at the Chambers of Commerce
- Statistical Process: compilation of the economic demography, being redesigned from yearly survey to a yearly/quarterly statistic based on registerdata, mainly on the General Business Registry (GBR)
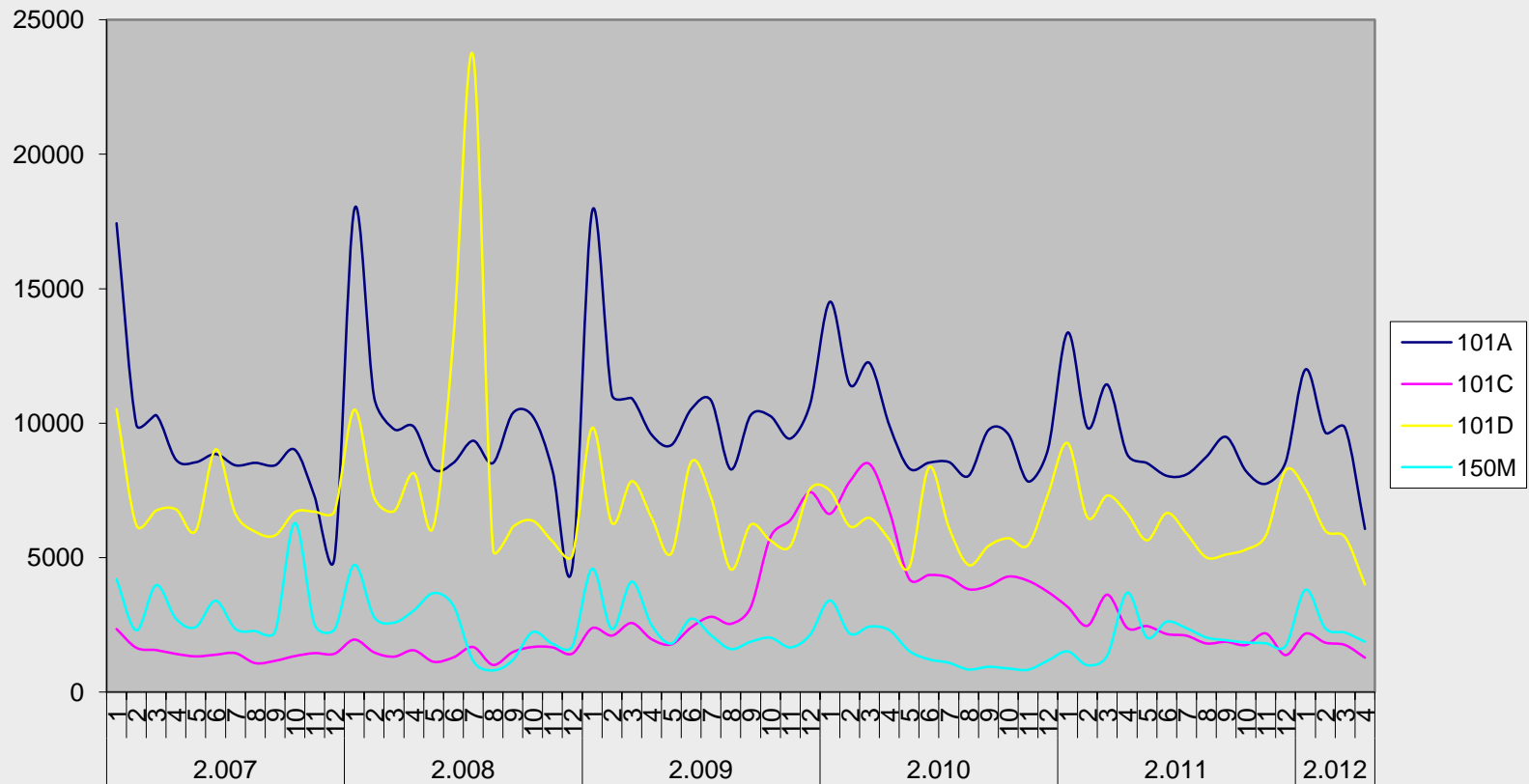
Sourceinformation GBR

Process

Research input ↔ output

- Input → output
  relation administrative events and entries /
  exits in the frame
- Output → input
  entries and exits in the frame
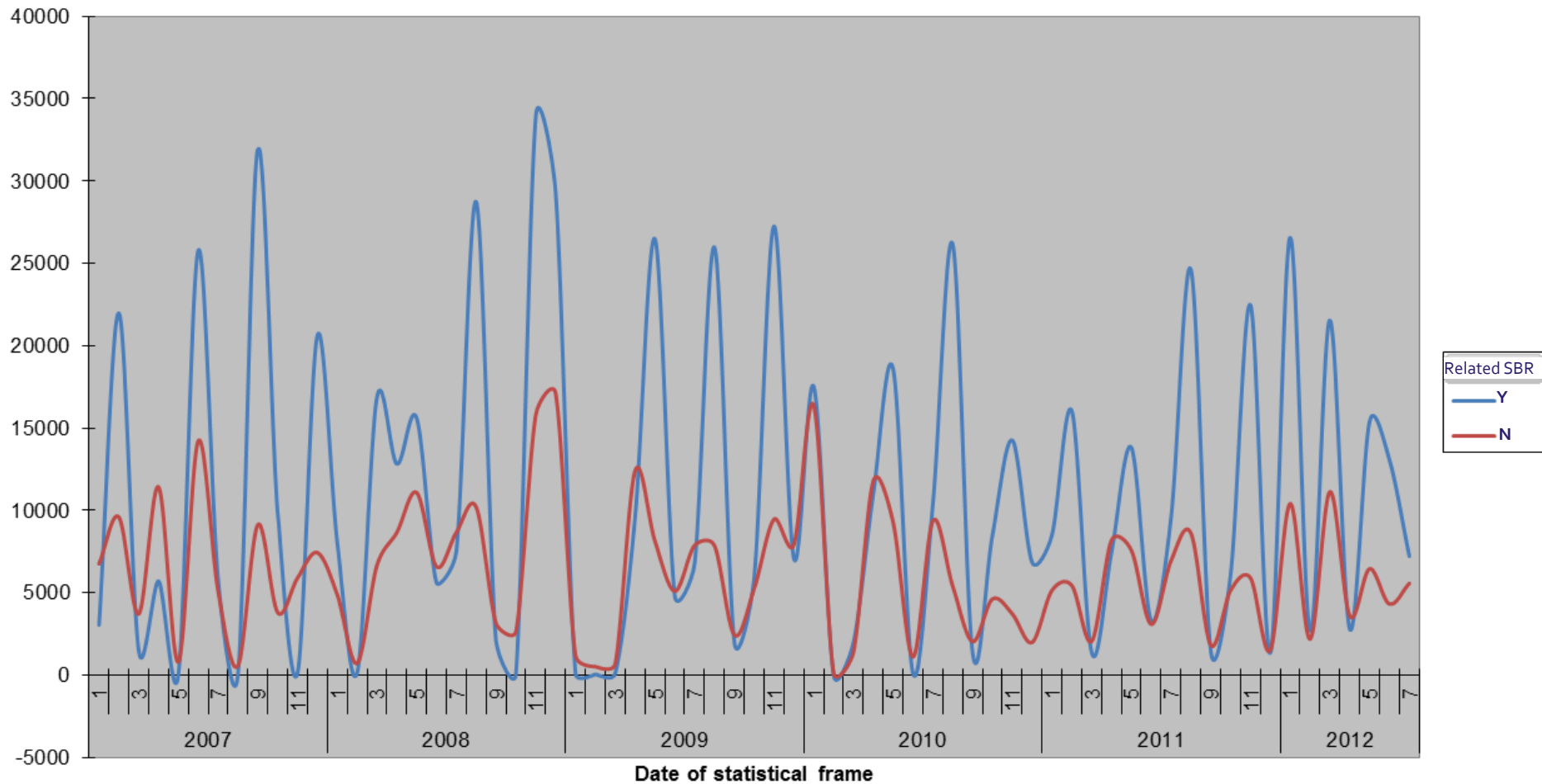 with/without relation to Single Business
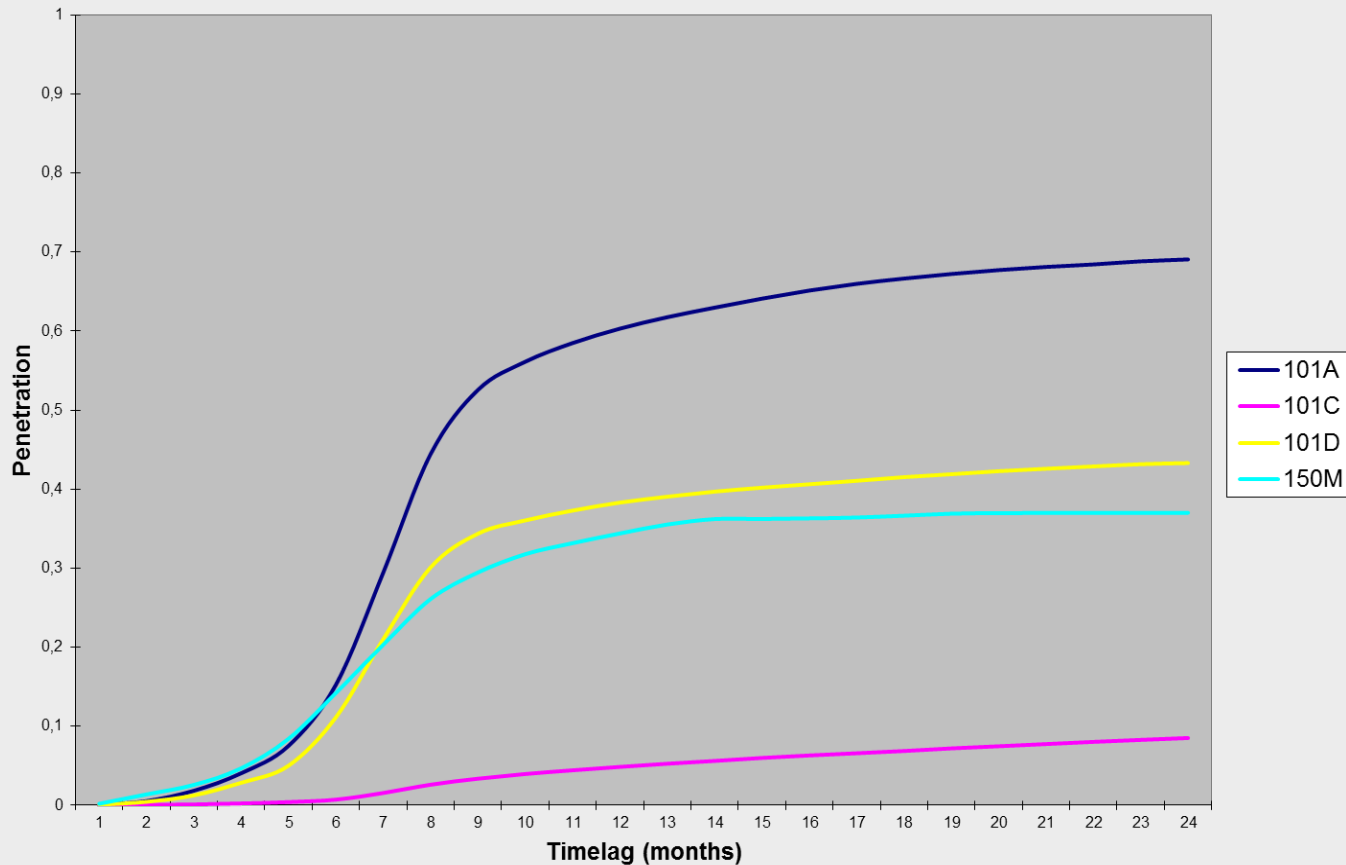 Register (SBR)

Timeseries input SBR
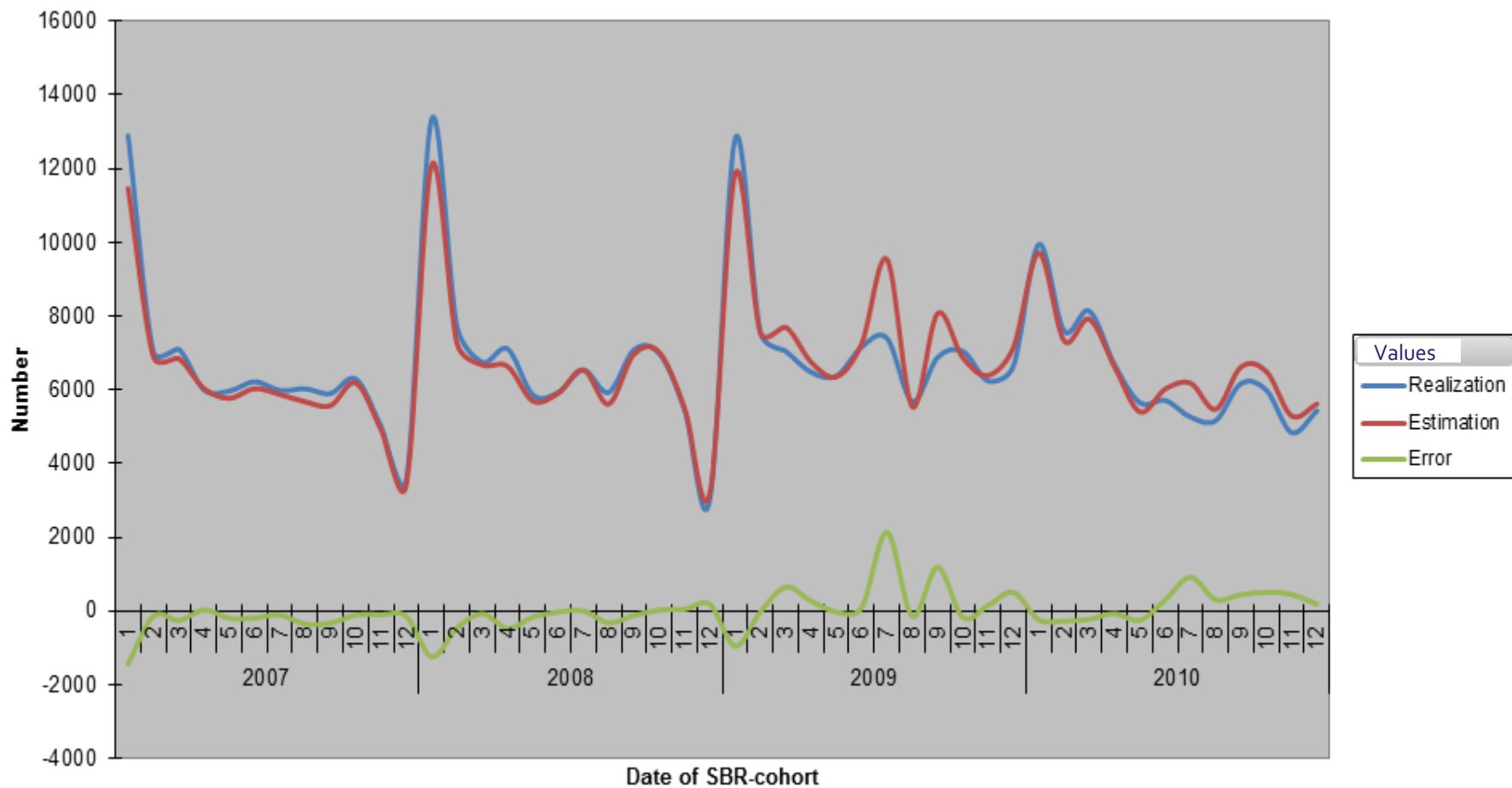

Number of administrative entries

New entries in the frame, with/without relation to SBR

Average penetration new entries per type of event

Realization and estimation of new entries, related to SBR

Conclusion

– Administratieve events are usuable in event driven processing

– Possible to improve the timeliness dramatically

– Quality can be improved by fitting the estimation model and/or by adding new types of events