



A vision for a generic sytem for all economic statistics

EGS (Economic Statistics Generic Street)

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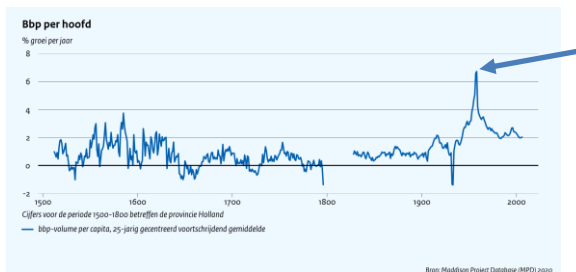
Why EGS program



Why EGS

Purpose: accurately describe the Dutch economy

Taking into account:



Sudden shocks or fast changes occur



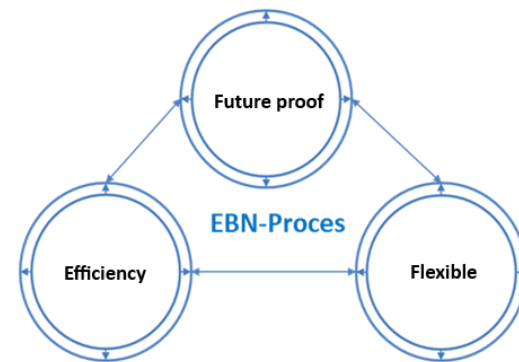
The Dutch economy is changing



Demands coherence and consistency

New data sources are available

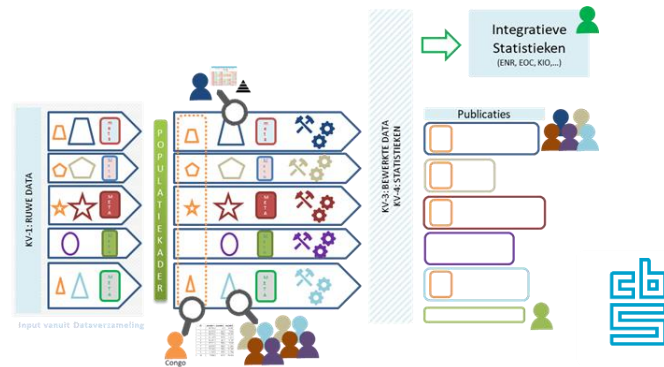
Therefore:



Why is the current situation not efficient and flexible enough?

Stovepipe approach:

- Data, metadata, methods, processes en IT are not standardised
- Many customised applications, high burden on IT
- Data sharing difficult
- Many inconsistencies detected by National Accounts (to late)



Basis principles EGS

Standardisation

Processes, methodes, data and IT

Shared architecture

Better coordination population frames

Automation

More automated approach

Reuse of

Processes, methodes, data en IT

modulair approach



Consistency

Data consistency as early as possible

We share our data from the beginning

Driven by quality

We measure quality to prioritise
data cleaning/editing

Continuous improvement

Each iteration we process edits on data
records



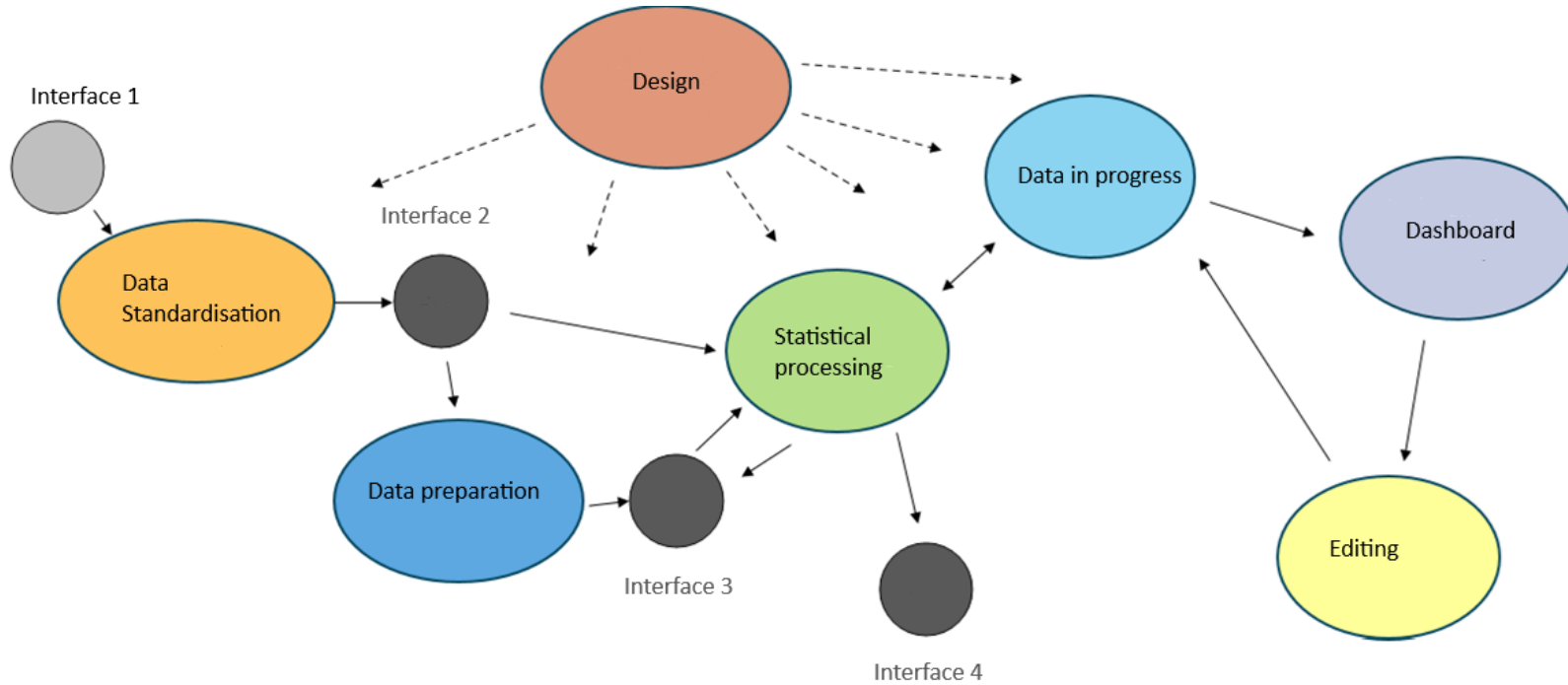
EGS Process



Generic process



One step deeper



Design

Metadata-driven architecture

Statistical expert:

- Designs the data processing strategy and flow
- Which sources are used
- Which methodological functions are necessary (function library)
- Which rules must be followed (ruleset catalogue)

New specialisations required like metadata-experts and design specialists



Early consistency

Early confrontation of:

- Corporate Tax / income tax data (SBS)
- Annual surveys (SBS)
- Social security (payroll) statistics
- VAT (STS) statistics
-

Ground truth for Turnover, Personnel costs, Gross operating surplus and other shared indicators



Consistency indicators

What is the ground truth?

Indicator	Annual Survey	Corporate Tax	Social security	VAT	TRUTH
Total revenue	100	200			200
Turnover	100	200		195	200
Total costs	90	190			190
Wages	55	20	60		60
Other costs	35	170			130
Gross operating Result	10	10			10



Transitioning



Transition plan

Phase 0 Inventarisation, which features are needed

Determine which features and inputs are needed for the statistics (data sources, rules, methodological functions)

Phase 1 Preparing transition

- Validate if all needed features and input are available
- Mapping current statistical process to EGS
- Determine broad outline of strategy
- Determine which dashboards are needed
- Complexity of the statistic
- Planning phase 2

Phase 2 executing transition / implementation

Factual transition, execution of data standardisation, strategy in detail, defining dashboards, testdata, testing, functional management, communication, employee training



Risks

The people:

- Various disciplines working together
- New methods
- Conforming to standards
- Knowledge gaps

Current status:

- Generic components being built
- Part of the process tested
- Further delays can impact National Accounts Revision (!)



technology:

- Is it really scalable?

Context

- Shop must remain open
- Dependencies



Questions?

