

# VISUALIZATION DRIVEN ERP DATA CONVERSION

**INNO Browser**

**Browsers**

- 6b. Glovia Planningsdata
- 6c. Glovia klanten
- 6d. Glovia klanten buy location
- 6e. Glovia klanten ship to locat
- 6f. Glovia klanten bill to locatio
- 6g. Glovia Leveranciers
- 6h. Glovia Leveranciers Sell
- 6i. Glovia Leveranciers Remit
- 6j. Materialen
- 6k. Bewerkingen**
- 6l. Glovia verkoopprijzen
- 6m. Glovia inkooprijzen
- 6n. Glovia uitbestedingen
- 6o. Glovia allocations
- 7a. Glovia Export Duplicates
- 7b. Glovia Planning Duplicates
- 7c. Glovia klanten Duplicates
- 7d. Glovia klanten buy location
- 7e. Glovia klanten ship to locat
- 7f. Glovia klanten bill to locatio
- 7g. Glovia Leveranciers Duplic
- 7h. Glovia Leveranciers Sell Du
- 7i. Glovia Leveranciers Remit D
- 7j. Materialen Duplicates
- 7k. Bewerkingen Duplicates
- 7l. Glovia verkoopprijzen Dupl
- 7m. Glovia inkooprijzen Dupli
- 7n. Glovia uitbestedingen Dup
- 7o. Glovia allocations Duplicat

**Browser Source code**

**Bewerkingen**

- 1 - 0001263 - 06
- 1 - 007129001 - 0
- 1 - 008552105714 - A**
- 1 - 008552505714 - C
- 1 - 008552755714 - A

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**Lijst bewerkingen**

- Job step 10
- Job step 20
  - Controle (594.6 - 594.4 - 594.8)**
  - Controle (526.6 - 526.4 - 526.8)
  - Controle (3.0 - 2.9 - 3.1)
  - CNC LASERSNIJDEN MAZAK STX4
  - 008552305-714

**bewerking**

- 1 002 1 0146 08471 CNC LASERSNIJDEN**

**Glovia routing data**

RECORD TYPE: 1  
CCN: 1  
BCR TYPE: CUR  
ITEM: 008552105714  
REVISION: A  
ROUTING ALTERNATE IDENTIFICATION:  
-  
ROUTING DESCRIPTION: -  
ROUTING USER SEQUENCE INCREMENT

**Glovia bewerking data**

CCN: 1  
BCR\_TYPE: CUR  
ITEM: 008552105714  
REVISION: A  
BCR\_ALT: -  
OPERATION: 20  
RTG\_QC\_SEQ: 1  
PROC\_SEQ: 00010  
PROC: Controle

**Data record**

WKA-PRONR-VERK: 008552105714  
WKA-PROVERSIENR: A  
WKA-SOORT: 2  
WKA-VOLGNR: 002  
WKA-SUBNR: 1  
WKA-PRONR:  
WKA-BEW-KODE: 0146  
WKA-STARTDAG: 08471  
FILLER: 0

The right side of the interface displays a large grid visualization of data, with rows and columns of colored cells (green, yellow, red, grey) representing different data points or states.

Below the interface, several hierarchical tree diagrams are shown, illustrating the structure of the data being converted. These diagrams consist of rectangular nodes connected by lines, representing parent-child relationships in a data hierarchy.

# THE PROBLEM

- Convert data from legacy cobol to modern erp
  - No expert knowledge on old system, just users
- Customer knows it is right when she can see it:
  - fast feedback cycle needed
  - browse data
  - visualize data

# THE SOLUTION

- MOOSE and Pharo
- Glamour to create browsers
- Mondrian to visualize data
- “One browser a day” driven development