



# Streamlining statistical production process in Eurostat

Artur Queiroz  
Mihaela Vacarasu



## A statistical vision for the next decade

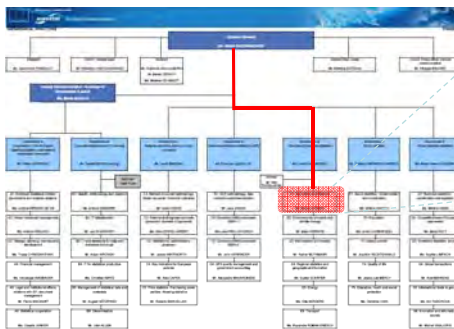
*change the ESS business architecture by replacing the  
traditional stovepipe model with an integrated model*

*COM(2009) 404 final, Brussels, 10.8.2009*

## Two projects in the ESS

- *Re-engineering the Agriculture and Fisheries Statistical Production Processes*
- *Harmonising and Consolidating the National Accounts Production Systems - NAPS2*

## Agriculture & Fisheries - Context

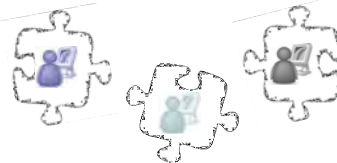


### Agriculture and Fisheries

- 50 years of history
- 30 people
- 6 statistical areas
- Dozens of domains



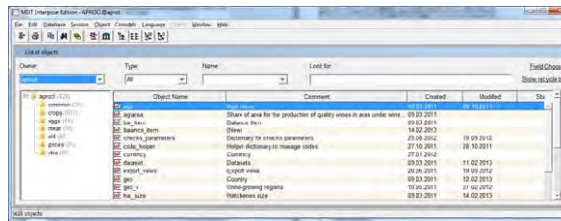
### Agriculture and Fisheries



- too many different systems
- local optimisation
- no standard business process
- high staff turnover

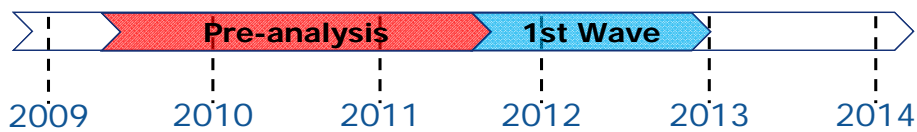
## Agriculture & Fisheries - Project Goal

1. Create a corporate statistical system
  - Migrate and reengineer to the central tool - MDT
  - Discontinue the superfluous tools



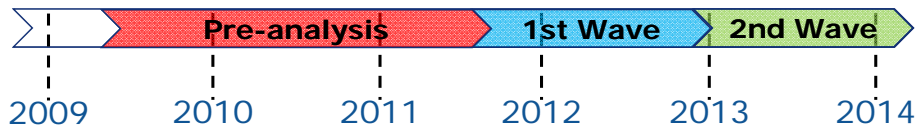
2. Create a standardized statistical business process
  - Reimplement the business logic where necessary
  - Agree similar architectural elements for the domains

## Project timeline

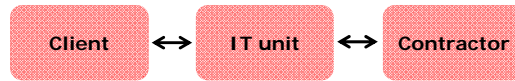


- assess current state / create test databases
- consolidation of test databases
- implement 2 new domains – Crop Production Statistics, Absolute Prices
- work done by an external contractor

## Project timeline



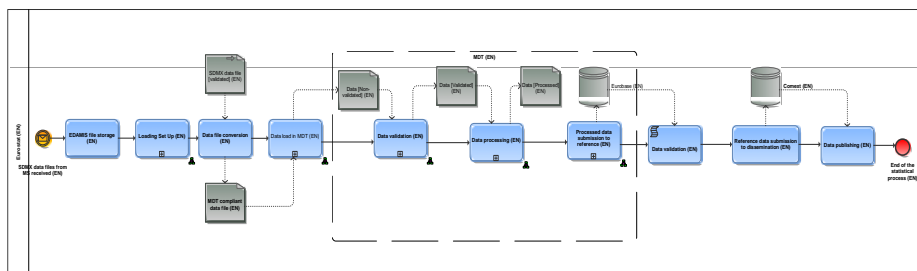
- contractor based abroad → coordination issues
- project moved in-house → better communication

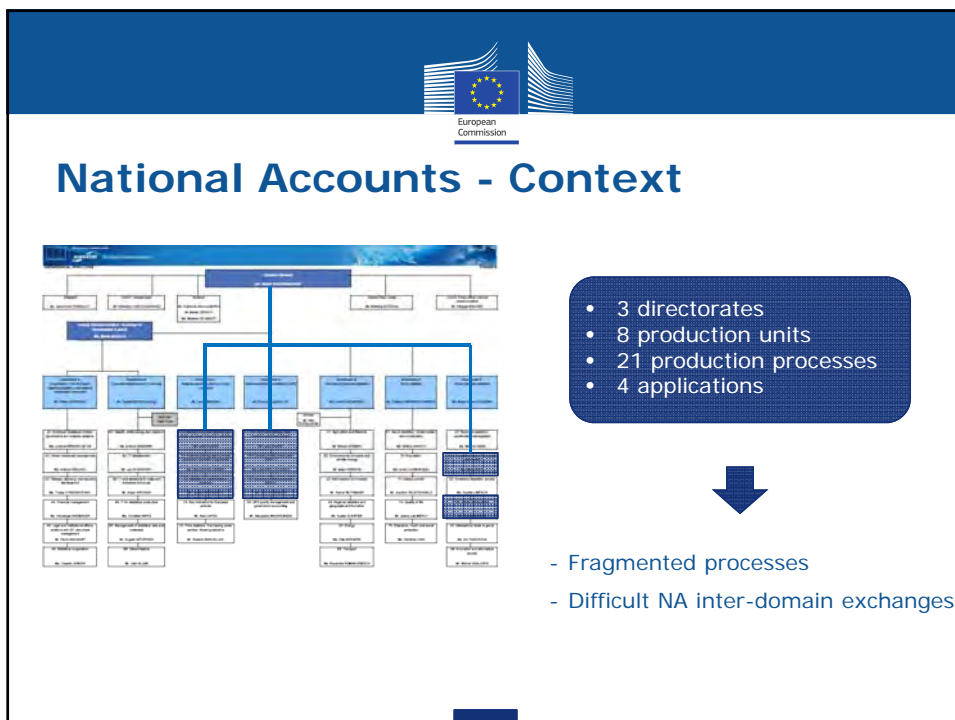
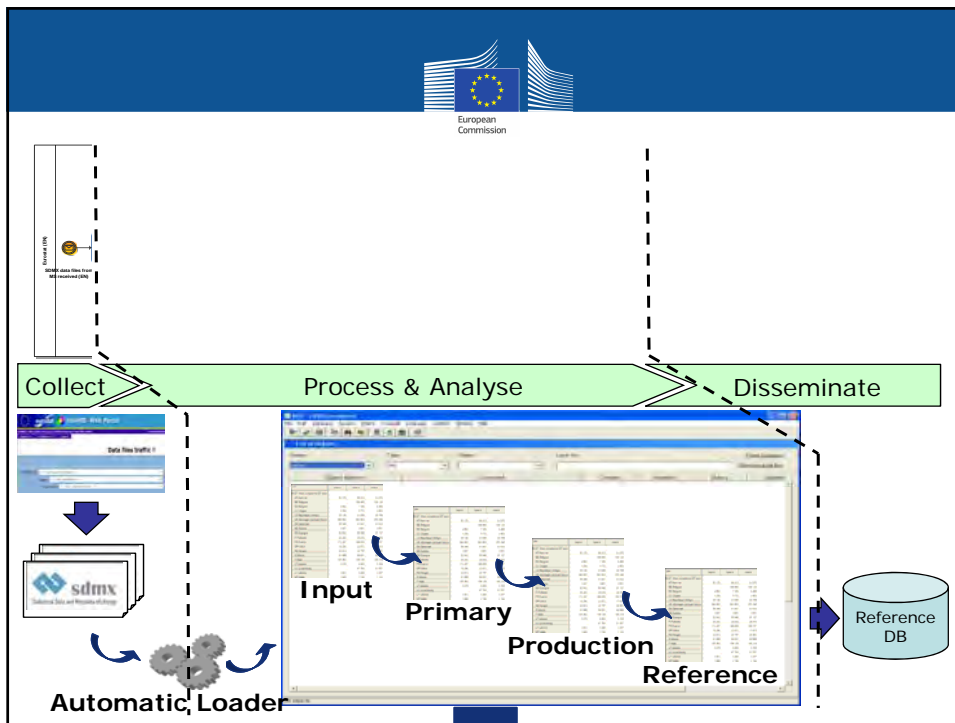


- easier project management

## Project Main Output

- Definition of a *to-be* state for the statistical process
- Apply the process in every upcoming domain
- Many technical challenges had to be tackled...







## National Accounts - Objectives

1. documentation and IT analysis of the NA production process;
2. harmonisation of the NA domains and their IT environment;
3. consolidation of the NA domains.



## National Accounts - Objectives

1. documentation and IT analysis of the NA production process

- Workflows – Production process;
- Business cases – Production process;
- IT harmonisation procedures – IT process;
- User and technical guides – IT process.



## National Accounts - Objectives

2. harmonisation of the NA domains and their IT environment

### Harmonise

↳ *Domain level*



- the IT standards
- the regulations and methodologies



## National Accounts - Objectives

3. consolidation of the NA domains

### Consolidate

↳ *System level*

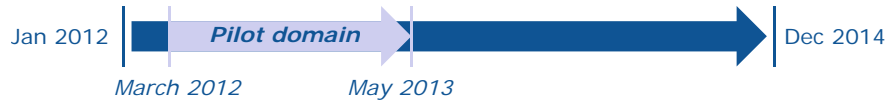


- Improved generic NA business model
- Better data exchange via common repository
- SOA





## National Accounts – Timetable



Name: NAMA - National Accounts Main Aggregates

IS used: FAME

- ➡ Align with IT standards:
- ➡ Align with applicable NA methodology



## Lessons learned

- Documentation is the key
- Don't lose the big picture
- The "Big Brother" effect
- Stovepipe vs. integrated models: what do I gain?





## Next steps

- Capitalize on established structures
- Flags in Eurostat
- SDMX-ML – standard format for data exchanges



# Questions?

Artur Queiroz  
Mihaela Vacarasu