
Developments in data dissemination

www.agrimatie.nl

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Motivation

- Reports are outdated the moment they are published
- Hard-copy reports are much more difficult to browse and/or surf than information on the web.
- The Web gives a far wider access to information
- The Web provide better reusability of data
- Also, the technical creation of a report is a repetitive, scriptable and therefore highly automatable and (in the end) a less costly task

- Therefore, policy –and decisionmakers as well as reporters are better served by web-reporting/publishing

History

Website: www.agrimatie.nl

in the front

Online:
Binternet
LT-cijfers
Agrimonitor
Ag. prijzen

Website 5: www.monitorduurzaamvoedsel.nl

Website 4: www.leiagrovertrouwensindex.nl

Website 3: www.monitoringmestmarkt.nl

Website 2: www.barometer-agrarische-sectoren.nl

Website 1: www.duurzaamheidlandbouw.nl



In the back

iPub; content management system
Development web structure

Dynamic charts

- Use of templates, web queries, highcharts
- Data storage in Metabase

Author and editor functionality:
iPub

Integration of publications:

- Development of database structure
- First set of publications; online 18 december 2013

Underlying technology

- iPub
 - MetaBase
 - HighCharts/Stock/Maps
 - JavaScript library
-
- Front-end: c# ASP.net and pure HTML5, JavaScript applications

iPub

- Provides structure to the reporting process (=navigation structure)
- (automated) workflow for the publication process

- No underlying data management
- Facilities for static charts and maps only

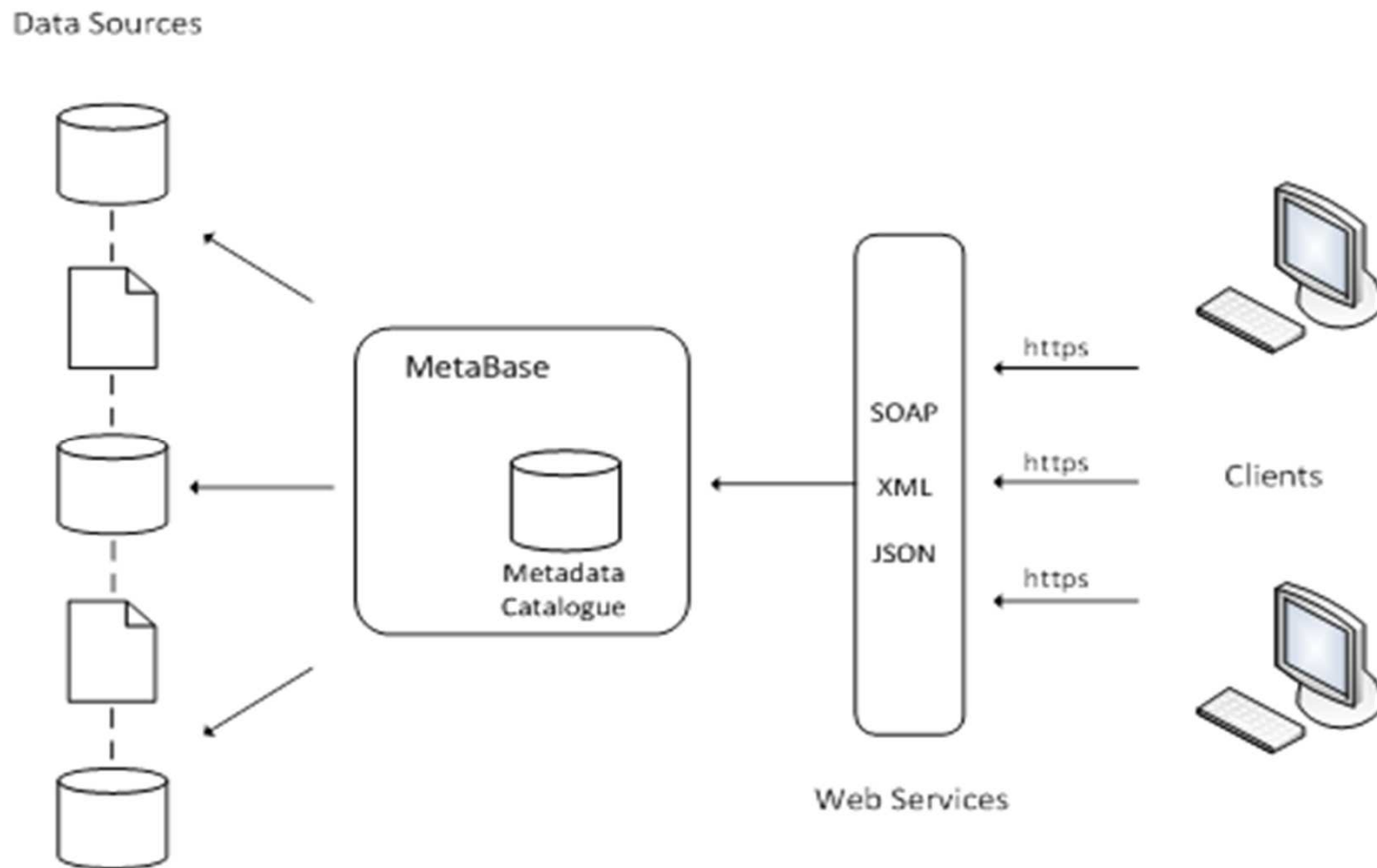
MetaBase

- Scientific research very often requires large volumes of data that is distributed over many heterogeneous public, private, or proprietary data sources
- Requiring complete knowledge of data sources at hand
- Requiring a range of IT skills
- collecting appropriate and reliable data for any given research question can become a daunting task for any researcher

MetaBase

- MetaBase is a system that provides a common interface to a multitude of heterogeneous data sources that can be queried by researchers transparently
- without any knowledge of the semantic and technological intricacies of the underlying data sources.
- In order to provide this environment, IT and data (source) experts feed the system with the required knowledge

MetaBase Architecture



MetaBase datamodel



HighCharts/Stock/Maps

- JavaScript Charting Library for dynamic, interactive Charts & Maps

<http://www.highcharts.com/products/highcharts>

<http://www.highcharts.com/products/highstock>

<http://www.highcharts.com/products/highmaps>

- HighChartFactory: our own Javascript library to combine MetaBase and HighCharts/Stock Map

Demo

www.agrimatie.nl



Agrimatie: 2013 and 2014

■ 2013

- Recent developments (farm income)
- Barometer: gross margin per month
- Sustainability in Dutch Agriculture
- Fishery in figures

■ 2014

- Grondprijzenmonitor: price of agricultural land
- Voedselprijzenmonitor: food prices
- Some new items (fertilizers, agricultural image)
- Regular updates Barometer, prices, structure

2014 and further

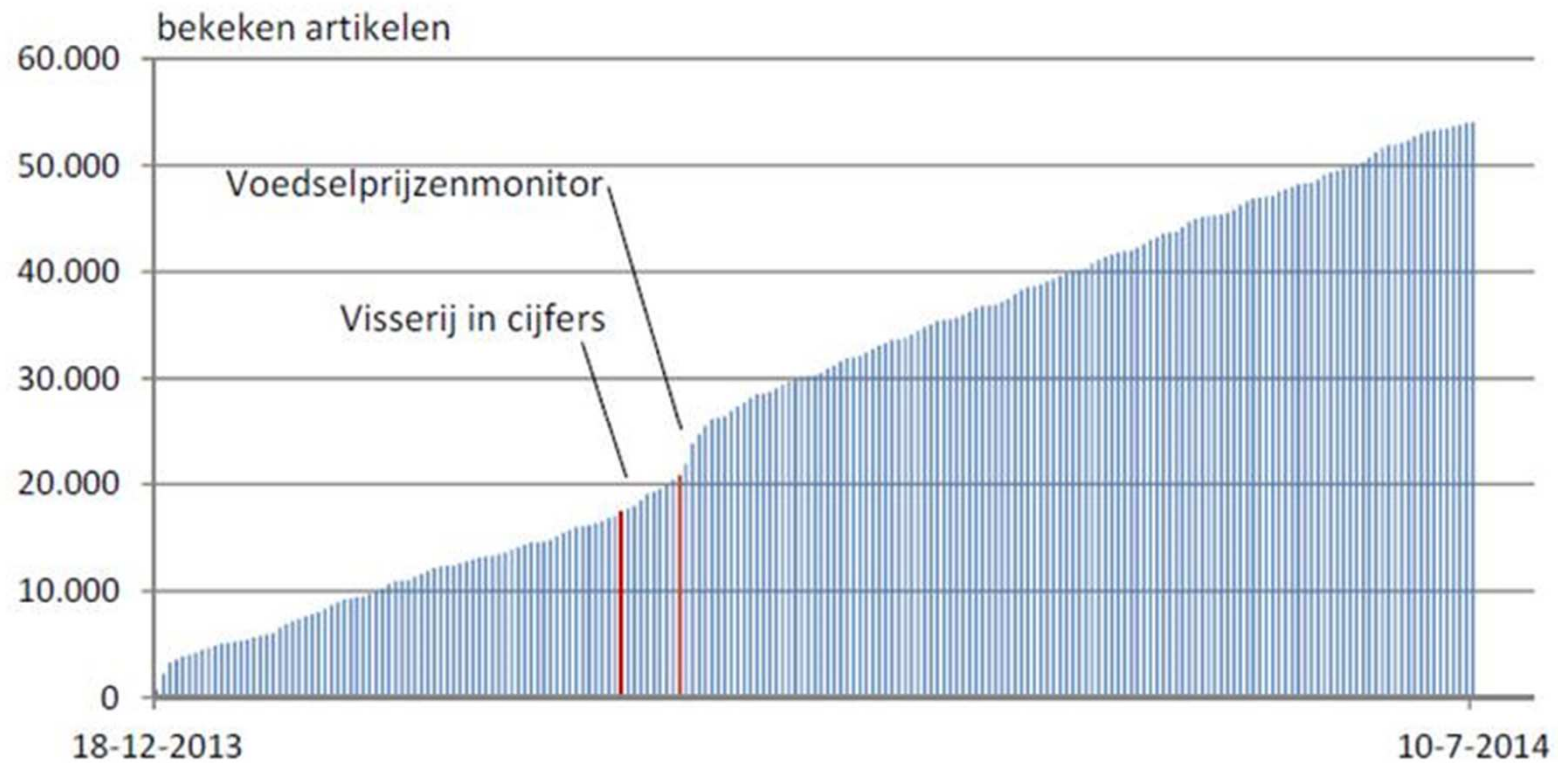
- New content (LEI-projects)
 - Monitoring mestmarkt: manure market
 - Agro vertrouwensindex: business confidence in agriculture
 - Monitoring duurzaam voedsel: consumer level, food
 - LMM: monitoring manure policy and EU directives
- Content management
 - Improvements in use (authors, reviewers, web functionality), data management and data presentation
- Other improvements
 - New content from other institutes besides LEI (Statistics Netherlands, Wageningen University)

2014: improvements

- Bi-lingual
 - Dutch, English

- Data presentation:
 - www.highcharts.com
 - New charts
 - Use of maps
 - Tables

Agrimatie: visitors website (200 days)



The end.

Thank you for your attention

Questions please!