



23th XBRL International Conference

“Enhancing Business Performance”

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Invoke – Next generation XBRL tools live

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Agenda

- ▶ About Invoke
- ▶ Our approach to XBRL
- ▶ A revolutionary component ...
...for a native XBRL Software Suite
- ▶ Invoke XBRL Suite in action
 - Tailor-made XBRL web platforms
 - Packaged XBRL solutions

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Invoke's mission statement

- ▶ **Specialized expertise**
Financial Reporting
- ▶ **A mission**
Provide innovative software solutions for the production, processing and exchange of financial information
- ▶ **A vision**
Common financial information able to be exploited indefinitely and in real time



3 generations of financial software

- ➔ 1st generation: **Tax reporting**
- ➔ 2nd generation: **Financial Reporting**
- ➔ 3rd generation: **XBRL Financial Reporting**





3 generations of financial software

→ 3rd generation: **XBRL Financial Reporting**

2006: Invoke is a founding member of XBRL France.

2008: Invoke launches the Invoke XBRL line: tools incorporating the latest technologies for reading, editing and producing financial information in XBRL format.

2009: Invoke launches the web version of its XBRL tools

2010:* Launch of Invoke XBRL Validator

* Launch of the Invoke XBRL Filing Portal

2011: Support of Table Linkbases





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Invoke - always a step ahead

From the very beginning,
Invoke has chosen to provide
native XBRL solutions



Our approach: Making XBRL accessible to all

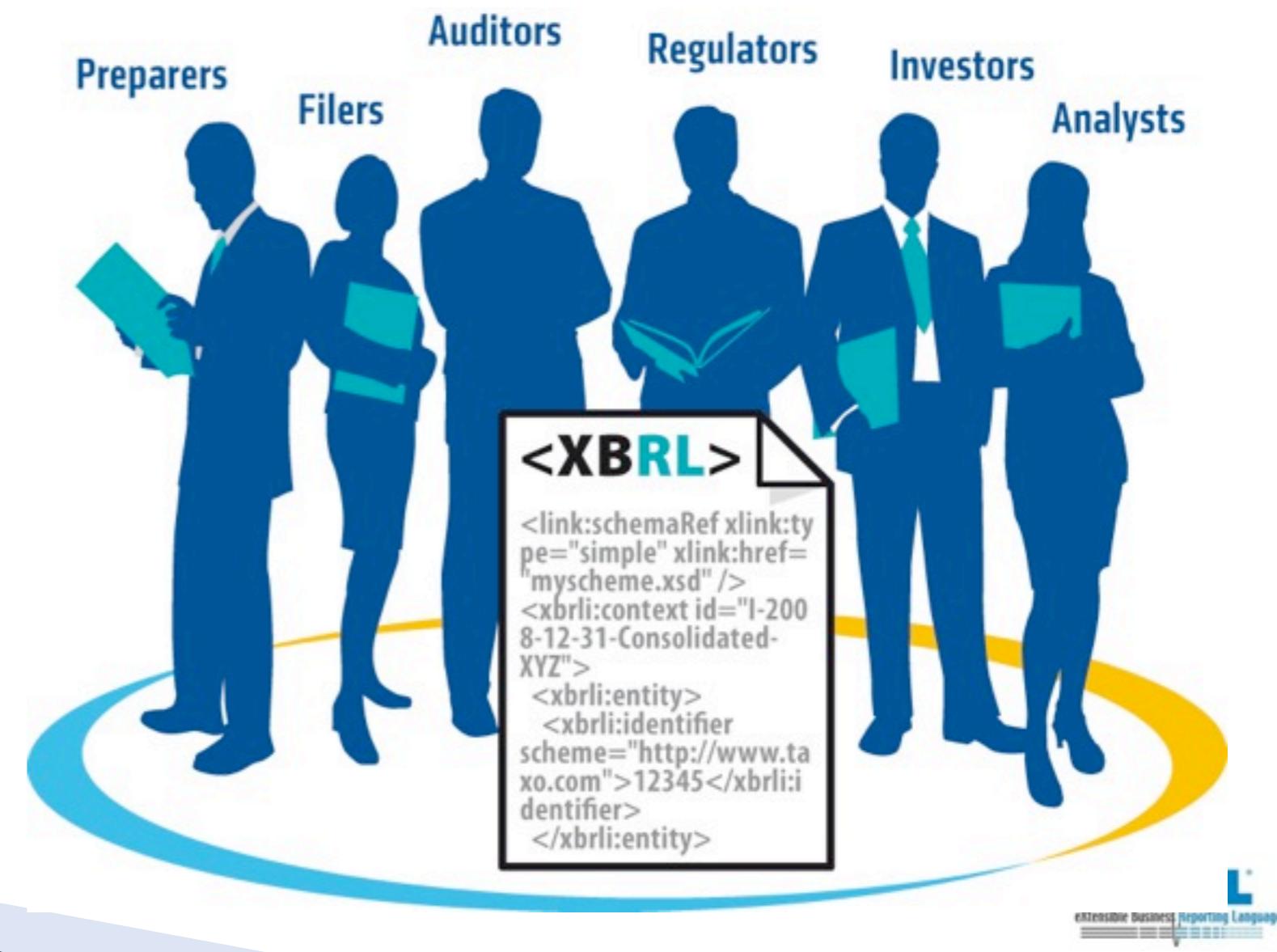
Our achieved goal today:
Provide XBRL solutions that are

- ➔ user-oriented
- ➔ easy to implement
- ➔ generic
- ➔ for every type of user
- ➔ at all stage of the information flows



Our approach: Making XBRL accessible to all

- ➔ for every type of user
- ➔ at all stage of the information flows





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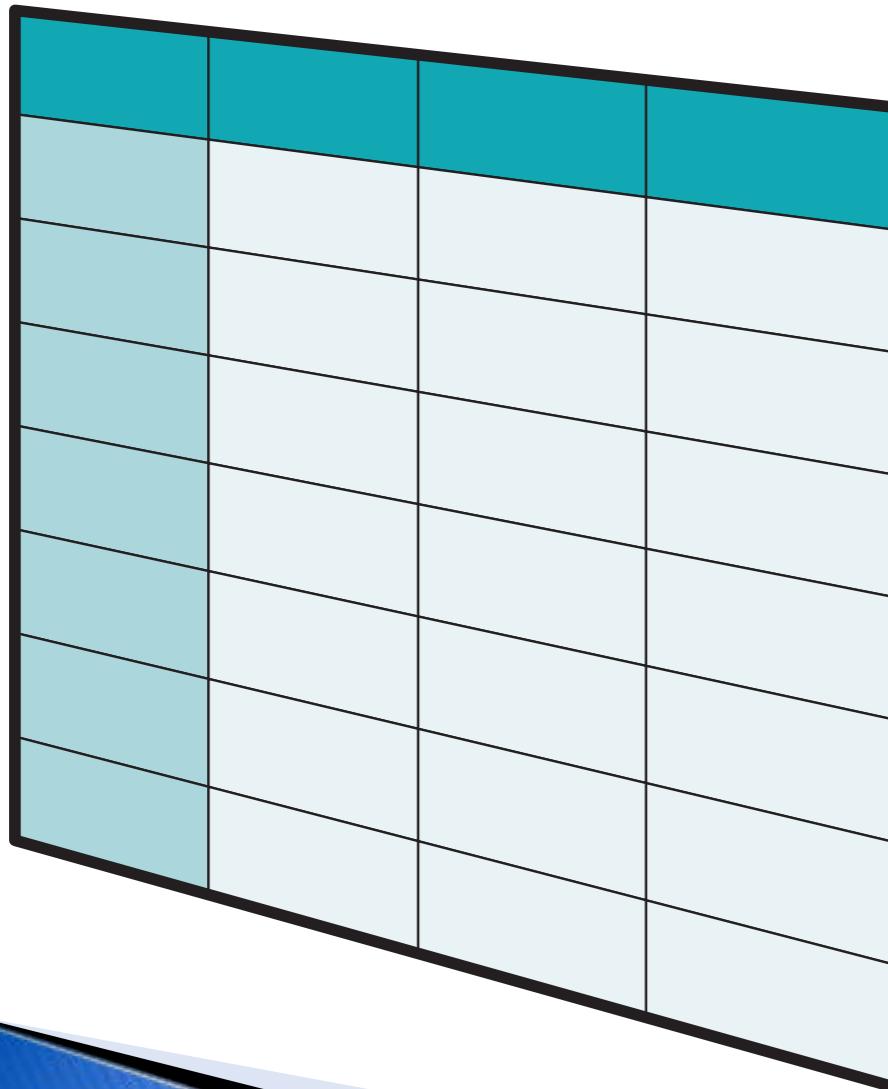
A revolutionary component...

A generic, dynamic XBRL web spreadsheet



A revolutionary component...

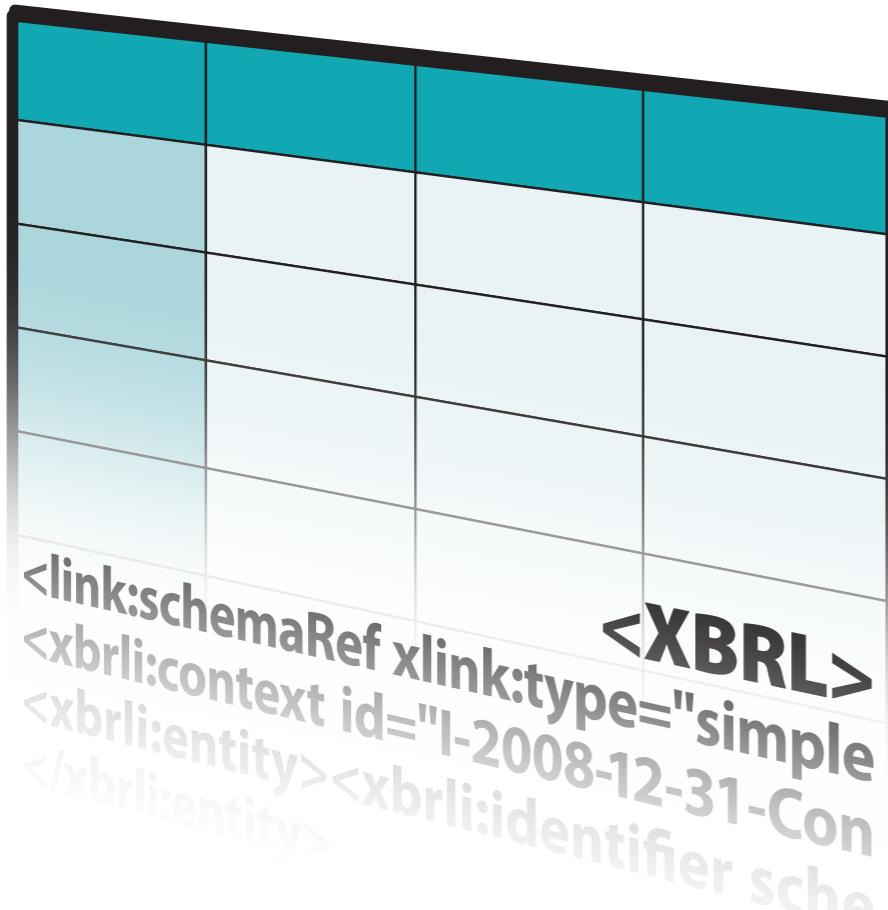
A generic, dynamic **XBRL web spreadsheet**



- ➔ User-friendly
- ➔ Familiar to business users
- ➔ Calculation and formatting features

A revolutionary component...

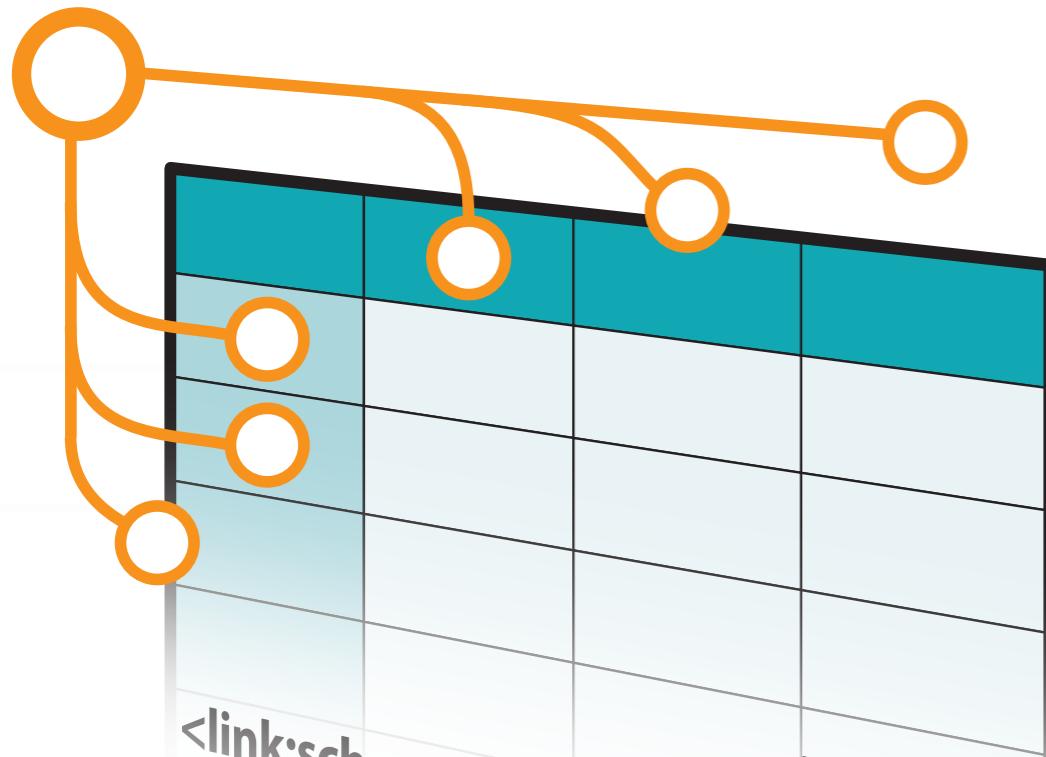
A generic, dynamic **XBRL** web spreadsheet



- ➔ Natively XBRL
- ➔ Each cell is an XBRL object

A revolutionary component...

A **generic**, dynamic XBRL web spreadsheet



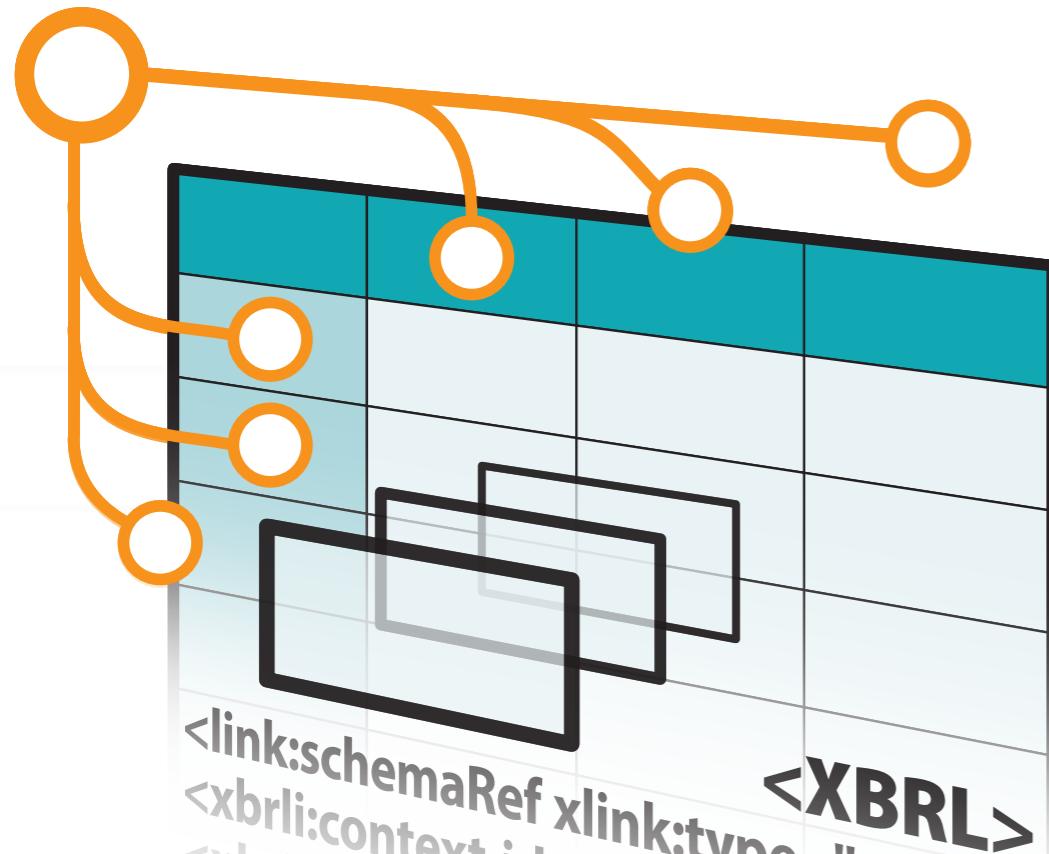
```
<link:schemaRef xlink:type="simple"
<xbrli:context id="I-2008-12-31-Con
<xbrli:entity><xbrli:identifier sche
</xbrli:entity>
```



Works with any taxonomy

A revolutionary component...

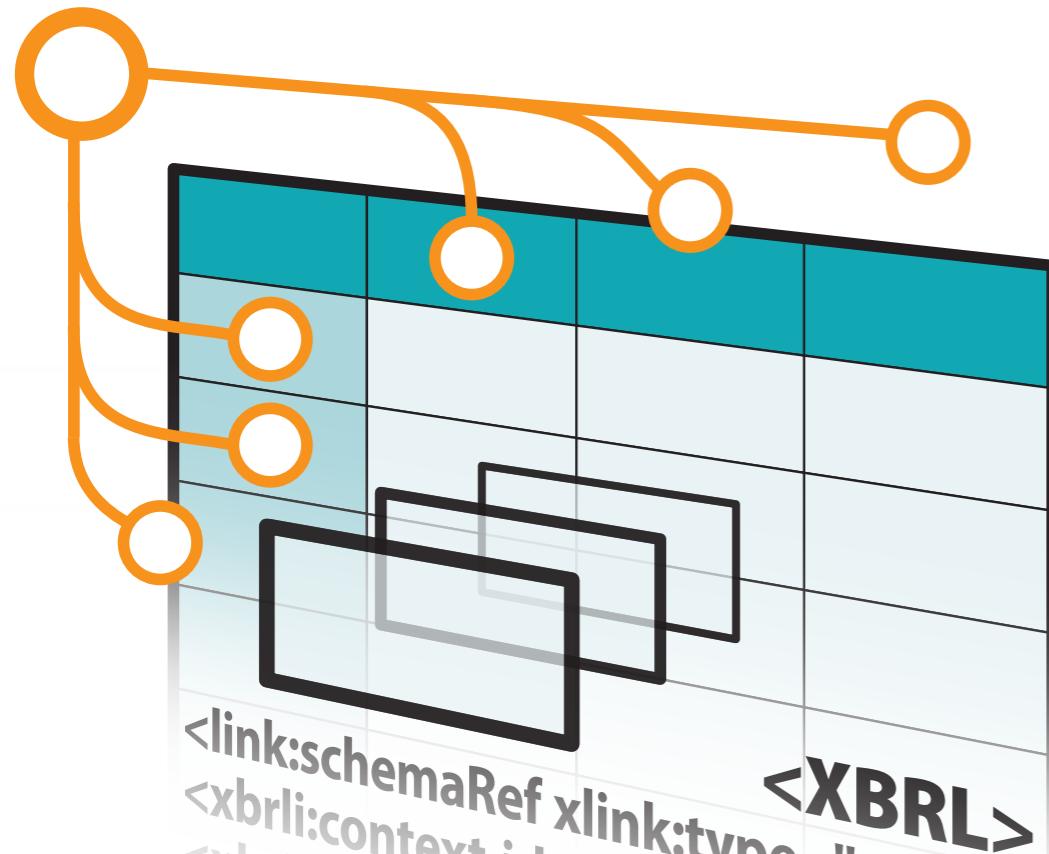
A generic, dynamic XBRL web spreadsheet



- ➔ Support of typed dimensions
- ➔ Dynamic rendering

A revolutionary component...

A generic, dynamic XBRL web spreadsheet



→ Available through a regular web browser

... for a native XBRL Suite

Invoke's XBRL Suite consists of:



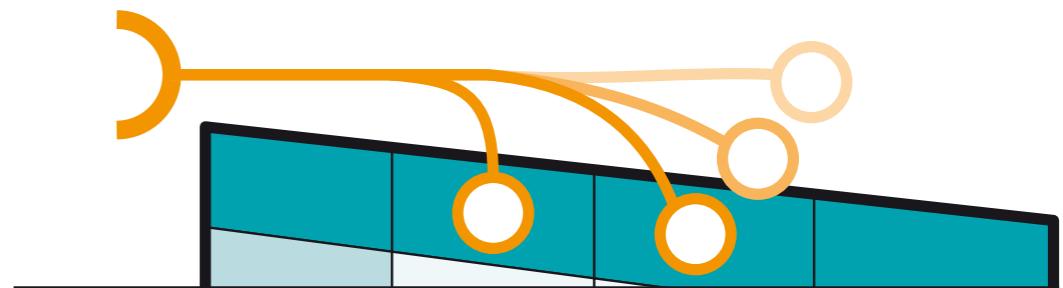
- ➔ XBRL Designer
 - ➔ XBRL Reader/Writer
 - ➔ XBRL Validator
- + advanced *XBRL features...*

... for a native XBRL Suite

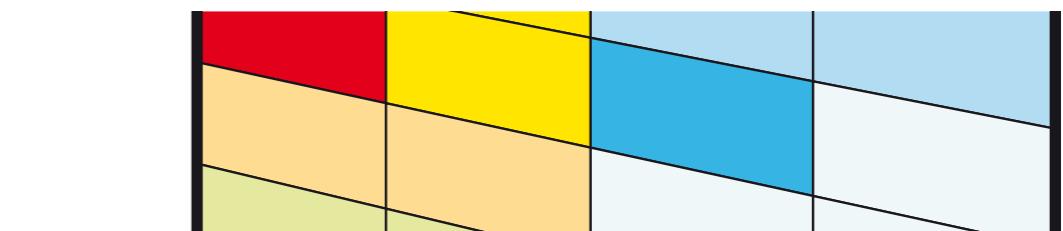
→ XBRL Designer

**Design of XBRL report templates from any taxonomy
in a just a few clicks**

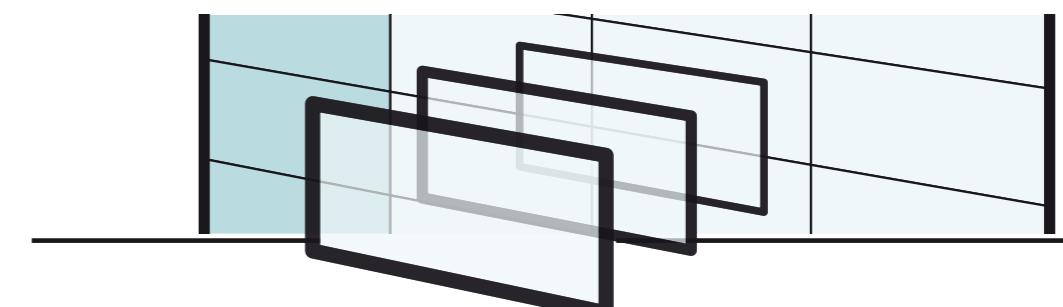
Simply drag & drop taxonomy
elements to design a report template



Customize it thanks to the rich
formatting features of the spreadsheet



Make it dynamic and get the most
out of XBRL typed dimensions



... for a native XBRL Suite

→ XBRL Reader/Writer

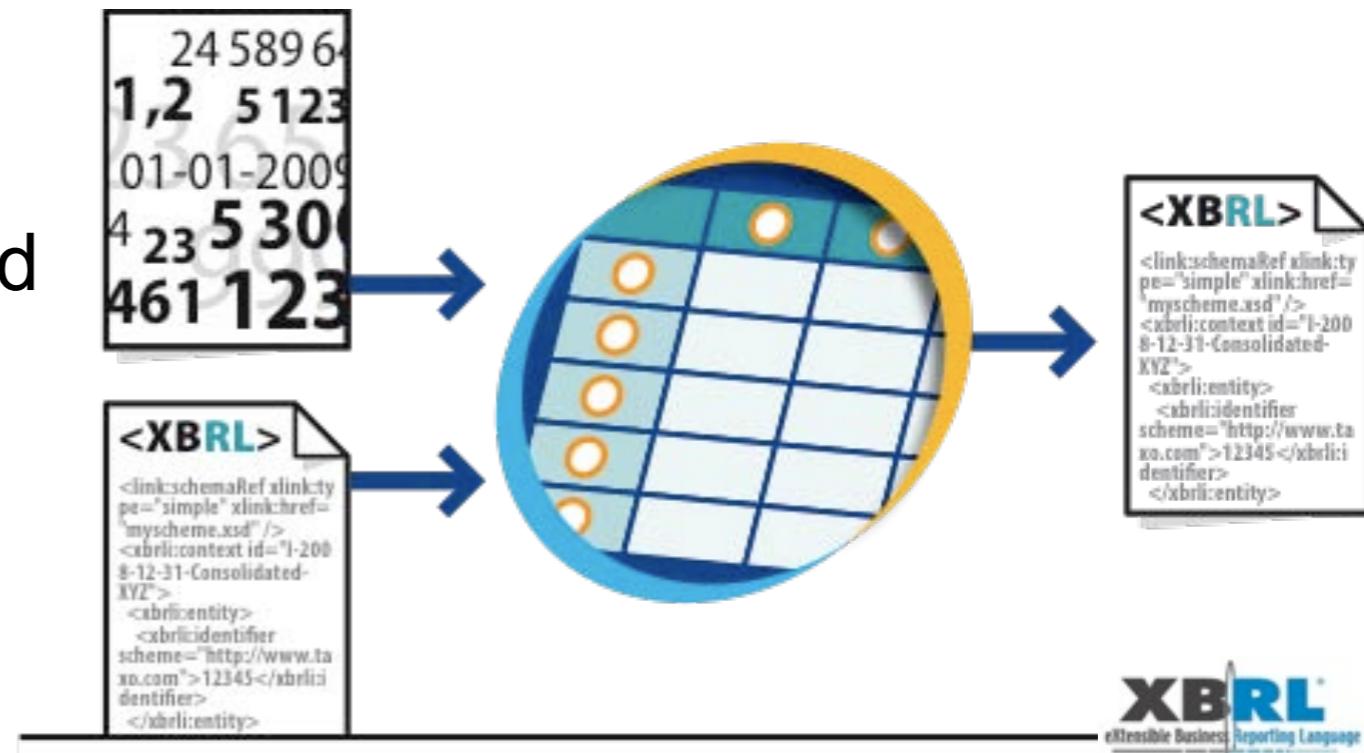
The missing link between a report and an XBRL instance document

In Reader mode

View XBRL instance documents in the form of financial statements.

In Writer mode

Enter or modify data in the spreadsheet and save the report as a valid, well-formed XBRL instance document.



... for a native XBRL Suite

→ XBRL Validator

Online validation of XBRL instance documents in real-time

XBRL validation in line with:

- ▶ XBRL 2.1
- ▶ XBRL Dimensions 1.0
- ▶ XBRL Formulae

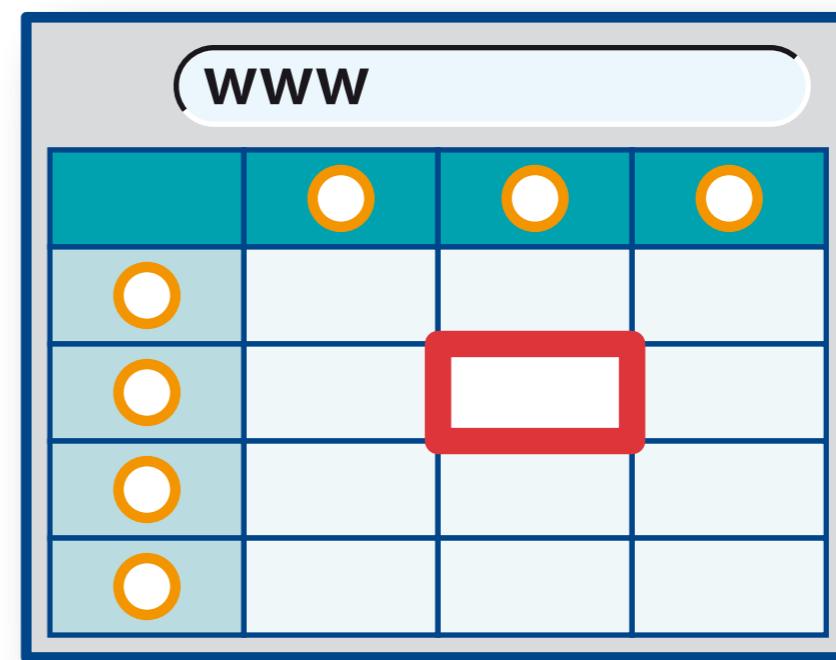


... for a native XBRL Suite

→ Focus on advanced features

Real-time and visual validation of XBRL Formulae

- ▶ Triggering of an on-demand anomaly report
- ▶ Batch processing of large volumes of XBRL data with good response times
- ▶ Highlight the cells in error directly in XBRL Reader/Writer



www			
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... for a native XBRL Suite

→ Focus on advanced features

Integration with easy-to-maintain XBRL storage solutions

- ▶ Store large amounts of data in the XBRL storage systems available on the market
- ▶ Perform multi-taxonomy, multi-entity, multi-period analysis

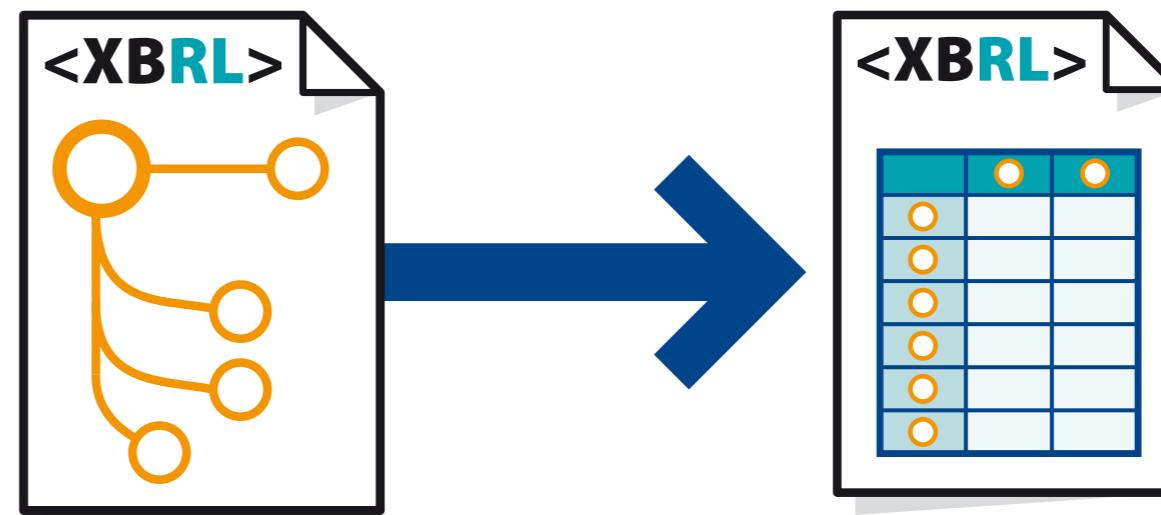


... for a native XBRL Suite

→ Focus on advanced features

Support of Table Linkbase

- ▶ Rendering templates are automatically created using the table linkbases of the taxonomy





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Invoke XBRL Suite in action



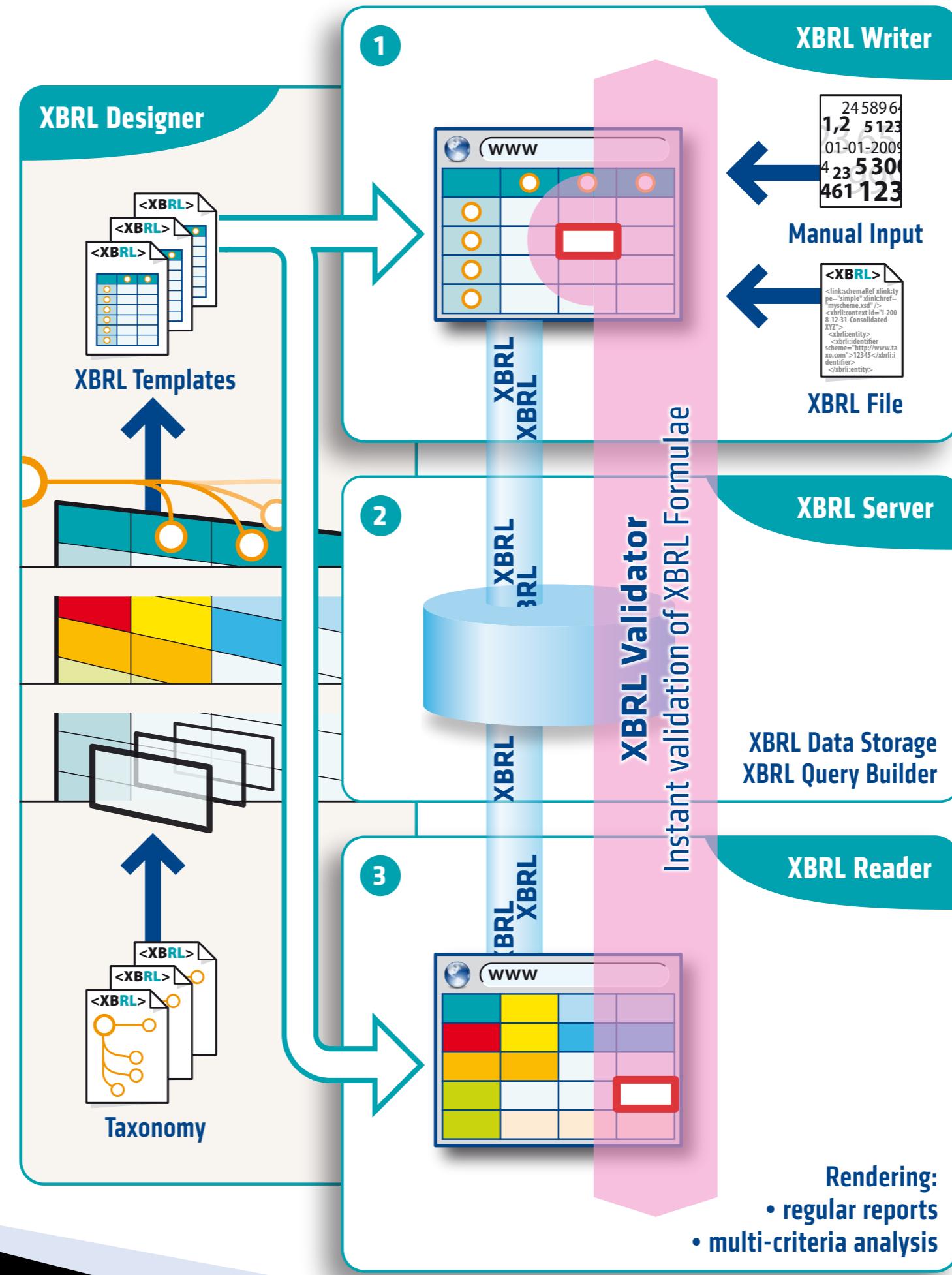
Tailor-made XBRL web platforms

Assemble Invoke native XBRL tools and build:

- ▶ XBRL data entry and e-filing portals
- ▶ XBRL rendering portals
- ▶ XBRL multi-criteria analysis systems
- ▶ XBRL regulatory data centralisation and validation systems



Example



Invoke XBRL Suite in action



Tailor-made XBRL web platforms

Examples of Regulators projects

- ▶ **BANQUE DE FRANCE**
- ▶ **BANK AL MAGHRIB** (Central Bank of Morocco)
- ▶ **NATIONAL BANK OF MOLDOVA**
- ▶ **BUNDES BANK** (Central Bank of Germany)





Invoke XBRL Suite in action



Packaged XBRL solutions

- ▶ **XBRL reporting platforms** for the production of regulatory and internal reporting
- ▶ **XBRL filing portals** for the preparation, centralization, visualization, validation and electronic filing of regulatory reports





Invoke XBRL Suite in action



Packaged XBRL solutions XBRL regulatory reporting platforms

invoke
FAS Regulatory

- ▶ Automated production of regulatory statements in XBRL
- ▶ Validation of regulatory statements
- ▶ Design of customized analytical reports

***Build a genuine regulatory data center and
exploit the data collected for regulatory needs
for internal reporting purposes!***





Invoke XBRL Suite in action



Packaged XBRL solutions

XBRL Filing Portals

invoke
XBRL Filing Portal

Packaged XBRL portals designed for:

- ▶ The centralization, validation, follow-up and storage of regulatory reports
- ▶ The online completion, real-time validation, online electronic signature of regulatory filings





Invoke XBRL Suite in action



Packaged XBRL solutions

Some references in the banking sector





XBRL Reader/Writer web demo

Log In

Log in to Invoke XBRL Reader/Writer web demo.

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Password

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