Integrated Scoreboard

Taxonomy: extending IFRS & COREP

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IT Consultant & XBRL Expert
Integrated Scoreboard proposal of a reporting model

- Solvency II
- COREP
- FINREP
- IFRS
- Spanish GAAP
- US GAAP
- GCR
- Corporate Governance
- Financial
- Environmental
- Social
Integrated Scoreboard Taxonomy — Representation of the KPIs

1. Multidimensional representation

2. Three levels of complexity
How XBRL is ready to support it? - Latest technologies in XBRL

- **2003**: XBRL 2.1
- **2005**: Dimensions 1.0 Specification
- **2009**: Formula 1.0 Specification
- **2011**: DPM

integration – connection - extension
IS-FESG Taxonomy: integration – connection - extension

The integration (1): multidimensional representation

Data Point Model + Dimensions
IS-FESG Taxonomy: integration – connection - extension

The **integration (2)**: levels of complexity representation

**Composed**: Supplier expenses / Revenue

**Complex**: Energy consumption / Revenue
**IS-FESG Taxonomy: integration – connection - extension**

The **integration (3):** validation constraints rules

<table>
<thead>
<tr>
<th>Financial Indicators</th>
<th>Economic efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPI_F1 Revenues</td>
<td>Revenues</td>
</tr>
<tr>
<td>KPI_F2 Suppliers expenses</td>
<td>Suppliers expenses</td>
</tr>
<tr>
<td>KPI_F3 Added Value</td>
<td>Added Value</td>
</tr>
<tr>
<td>KPI_F4 Employee benefits</td>
<td>Employee benefits</td>
</tr>
<tr>
<td>KPI_F5 Gross Profit</td>
<td>Gross Profit</td>
</tr>
<tr>
<td>KPI_F6 Financial expenses</td>
<td>Financial expenses</td>
</tr>
<tr>
<td>KPI_F7 Owners retribution</td>
<td>Owners retribution</td>
</tr>
<tr>
<td>KPI_F8 Public Administration expenses</td>
<td>Public Administration expenses</td>
</tr>
<tr>
<td>KPI_F9 Economic contribution to the community</td>
<td>Economic contribution to the community</td>
</tr>
<tr>
<td>KPI_F10 R&amp;D&amp;I investment</td>
<td>R&amp;D&amp;I investment</td>
</tr>
<tr>
<td>KPI_F11 Profitability</td>
<td>Profitability</td>
</tr>
<tr>
<td>KPI_F12 Level of debt</td>
<td>Level of debt</td>
</tr>
<tr>
<td>KPI_F13 Treasury shares</td>
<td>Treasury shares</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental indicators</th>
<th>Energy efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPI_E1 Energy consumption</td>
<td>Energy consumption</td>
</tr>
</tbody>
</table>

**Formula Specification 1.0**

\[ \text{Composed} = \left( \frac{\text{Employee Benefits}}{\text{Revenues}} \right) \]
**IS-FESG Taxonomy: integration – connection - extension**

The **integration** (3): Assertion type rules validation

<table>
<thead>
<tr>
<th>factVariable $ScomposedEmployeeBenefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>conceptName</td>
</tr>
<tr>
<td>generalMeasures</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>factVariable $SbasicEmployeeBenefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>conceptName</td>
</tr>
<tr>
<td>generalMeasures</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>factVariable $SbasicRevenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>explicitDimension</td>
</tr>
<tr>
<td>conceptName</td>
</tr>
<tr>
<td>generalMeasures</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>pa</td>
</tr>
</tbody>
</table>
The **connection:** financial indicators (IS-FESG) correspondence with IFRS

**Formula Specification 1.0**

Suppliers expenses = [320000] Raw materials and consumables used + [320000] Other expenses

**XPATH Expression:**

\[ \text{SupplierExpenses} = (\text{ifr}_\text{RawMaterialConsumablesUsed} + \text{ifr}_\text{OtherExpenses}) \]
**IS-FESG Taxonomy: integration – connection - extension**

The **connection**: financial indicators (IS-FESG) correspondence with IFRS

<table>
<thead>
<tr>
<th>factVariable</th>
<th>parameter</th>
<th>lang:en</th>
<th>lang:es</th>
</tr>
</thead>
<tbody>
<tr>
<td>$RawMaterialsConsumablesUsed</td>
<td></td>
<td>ifrs:RawMaterialsAndConsumablesUsed</td>
<td></td>
</tr>
<tr>
<td>$OtherExpenses</td>
<td></td>
<td>ifrs:OtherExpenseByNature</td>
<td></td>
</tr>
<tr>
<td>$SupplierExpenses</td>
<td></td>
<td>is-core:DataDecimal</td>
<td></td>
</tr>
</tbody>
</table>

![Diagram of IS-FESG Taxonomy]
**IS-FESG Taxonomy: integration – connection - extension**

**Extension** for the definition of risk frame using COREP taxonomy

The entity will edit its own family of KRIs as a classification for loss data collection and evaluation.

### Event Types

<table>
<thead>
<tr>
<th>EVENT TYPES</th>
<th>TOTAL EVENT TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTERNAL FRAUD</td>
<td>LOWEST</td>
</tr>
<tr>
<td>EXTERNAL FRAUD</td>
<td>HIGHEST</td>
</tr>
<tr>
<td>EMPLOYMENT PRACTICES AND WORKPLACE SAFETY</td>
<td></td>
</tr>
<tr>
<td>CLIENTS, PRODUCTS &amp; BUSINESS PRACTICES</td>
<td></td>
</tr>
<tr>
<td>DAMAGE TO PHYSICAL ASSETS</td>
<td></td>
</tr>
<tr>
<td>BUSINESS DISRUPTION AND SYSTEM FAILURES</td>
<td></td>
</tr>
<tr>
<td>EXECUTION, DELIVERY &amp; PROCESS MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td><strong>Number of events</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total loss amount</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Maximum single loss</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Strategic Objectives

**Corep**

- Financial indicators
  - Economic efficiency
    - KRI_F1...
    - Number of events
    - Total loss amount
    - Maximum single loss
  - Energy efficiency and emissions
    - KRI_E1...
    - Number of events
    - Total loss amount
    - Maximum single loss
  - Waste management efficiency
    - KRI_Ei...
    - Number of events
    - Total loss amount
    - Maximum single loss
- Social indicators
  - Human Capital
    - KRI_S1...
    - Number of events
    - Total loss amount
    - Maximum single loss
  - Social Capital

**Waste management efficiency**

**Social indicators**

- Human Capital
  - KRI_S1...
  - Number of events
  - Total loss amount
  - Maximum single loss

**Environmental indicators**

- Energy efficiency and emissions
  - KRI_E1...
  - Number of events
  - Total loss amount
  - Maximum single loss

** XBRL 2.1 Specification**

[Diagram and XBRL icon]
IS-FESG Taxonomy: integration – connection - extension

Extension in the IS-FESG Taxonomy: COREP taxonomy
Extension in the IS-FESG Taxonomy: COREP taxonomy

Strategic objectives
Conceptual architecture with ice modeling practice

Integrated Scoreboard taxonomy (IS-FESG)

External taxonomies

Connection

Spanish GAAP

Integration

External taxonomies

Extension

Coreit Reportit Initiative™

DGI

General data for Identification module

Financial module

IFRS

core-2012-09-30.xsd

dim-2012-09-30.xsd

Lettering

is-dgi-int-2012-09-30.xsd

dgi-cnae09-code

dgi-elem

is-dgi-core-2012-09-30.xsd
The Integrated Scoreboard reporting model

It is the result of the project led by The Spanish Accounting and Business Administration Association (AECA).

Integrated Scoreboard Working Group
Integrated Scoreboard project - Results

Framework

Integrated Scoreboard (IS-FESG)

Taxonomy

IS-FESG Taxonomy

Real reports

BBVA  INDITEX

Test cases

IBEX 35  14,29 %
**Integrated Scoreboard project** - Timeline of activities

- **Creation of the Integrated Scoreboard working group and project starts**
- **March 2011**: 1st draft of the Integrated Scoreboard Framework and XBRL Taxonomy
- **April 2011**: 2nd draft & revision
- **May 2011**: 3rd draft & revision
- **June 2011**: 4th draft & revision
- **October 2011**: Final version XBRL Taxonomy IS-FESG
- **March 2012**: Launch of the project website: [is.aeca.es](http://is.aeca.es)
- **April 2012**: Final Integrated Scoreboard Framework
- **May 2012**: Aeca submission to the IIRC Discussion paper
- **June 2012**: Test cases: (Spanish listed companies) BBVA, Inditex, Enagas, Indra and Telefónica
- **Sep 2012**: Web platform construction for reporting and analysis of integrated reports

**Empirical study**: “The Integrated Report. First approaches to its application. The Spanish case”. (J. L. Lizcano, Francisco Flores and Manuel Rejón)
Integrated Scoreboard project – International acknowledgement

Acknowledged Taxonomies are recognised by XBRL International as being in compliance with the XBRL Specification. Compliance is confirmed by testing a taxonomy in a defined range of XBRL applications which may be upgraded and changed from time to time. The Taxonomy Recognition process does not specifically address other issues such as ease-of-use or the completeness of accounting/reporting content.

XII Acknowledged Taxonomies are:

- IS-FESG Integrated Scoreboard Taxonomy April 5, 2013
- The General Purpose Taxonomy of Chinese Accounting Standards December 19, 2012
- Tata Index for Sustainable Human Development Taxonomy September 11, 2012
- MIX Microfinance Taxonomy January 10, 2010
- International Financial Reporting Standards (IFRS), General Purpose Taxonomy 2008
- Japan EDINET Taxonomy 2010 June 4, 2010
- RSC - CCI Scoreboard for Corporate Social Responsibility Taxonomy 2010 June 4, 2010
- Japan EDINET Taxonomy 2008 March 11, 2008
- RSC Taxonomy for Corporate Social Responsibility December 31, 2007
  The RSC Taxonomy provides technological support for the generation, transmission and processing of Reports on the Corporate Social Responsibility activities and situation of companies and all types of entity.
- Spain - General Data Identification April 27, 2006

National Banks: 18,75 %
Listed companies: 20,00 %
Period: 2008 - now
aecareporting.com

http://xbrl.org/FRTAcknowledged
Thank you for your attention

María Mora (maria.mora@atos.net)

For more information visit:

- Project website: is.aeca.es
- XBRL International acknowledgment: http://xbrl.org/FRTAcknowledged
- Publication in IJDAR: The Integrated Scoreboard Taxonomy approach by J.Mora & M.Mora
- AECA Pronouncement: The Integrated Scoreboard (IS-FESG) and its XBRL Taxonomy