

The IFRS Taxonomy: Development and Implementation Experiences

Josef Macdonald
Ernst & Young Global, London

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available from this Presentation.

Presenters to provide experiences of:

- What was planned?
- What actually happened?
- What was helpful?
- What were the implications?

IFRS XBRL Experience 2002-2007

- Chairman, IFRS Taxonomy Development Group
- XBRL Practice Fellow, IASC Foundation
- IASC Foundation XBRL Team Founder and Leader
- Chairman, XBRL Domain Working Group
- Chairman, IASB IT Discussion Group
- Project Leader, European Committee of Central Balance Sheet Data Offices XBRL Project

Lessons Learned

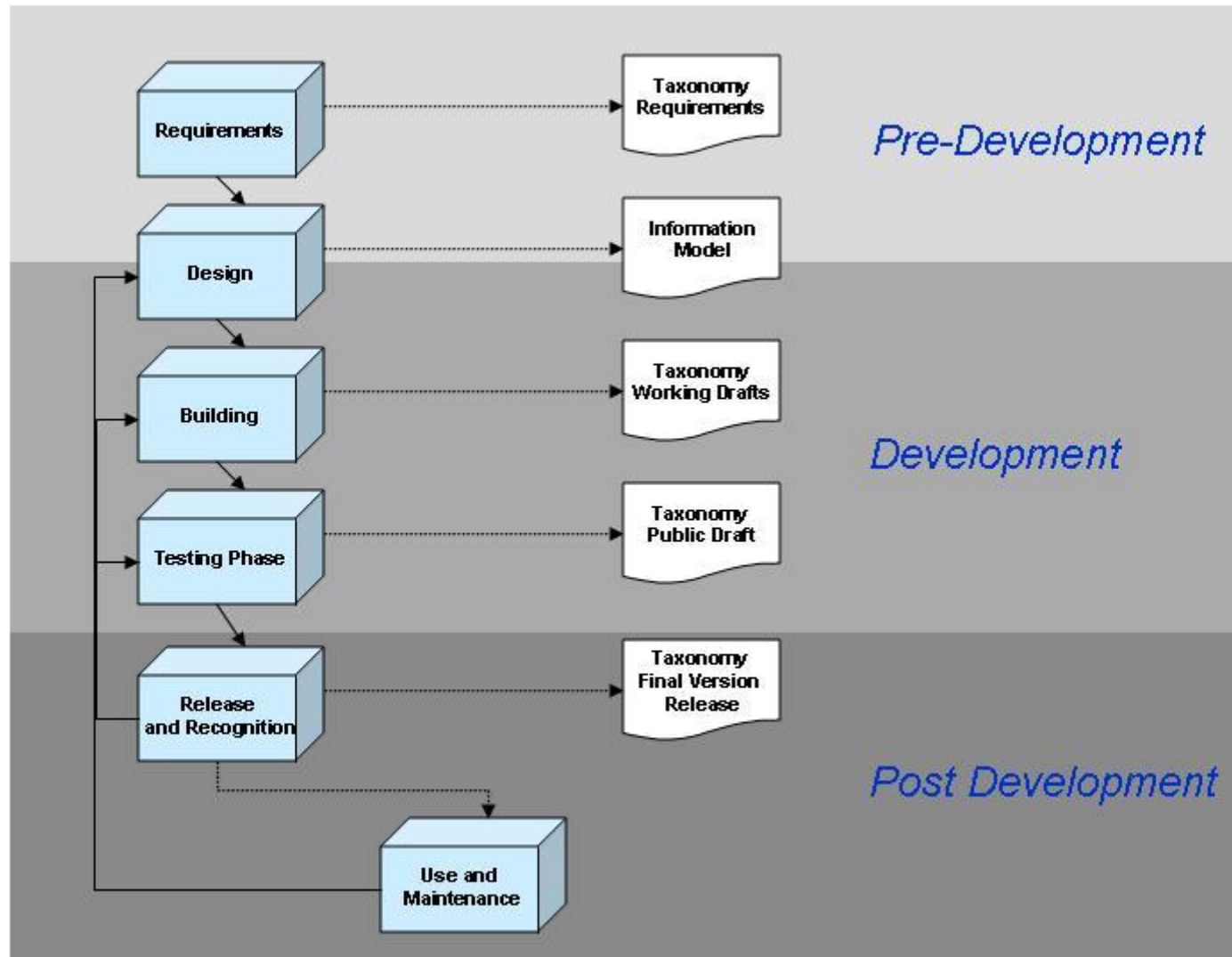
- Approach
- Resources
- Political Environment
- Technology

First Lessons

2002

- ✓ IAS "Panel of Experts" meet in Singapore to build first full IAS taxonomy
- ✓ Charlie Hoffman joins IAS Taxonomy Working Group
- ✓ Josef Macdonald appointed Chair of IAS Taxonomy Working Group
- ✓ Ad Hoc IAS Working Group formed from Volunteers
- ✓ Release of IAS PFS and EDAP Taxonomies
- ✓ XBRL International membership grows to 140+

Process



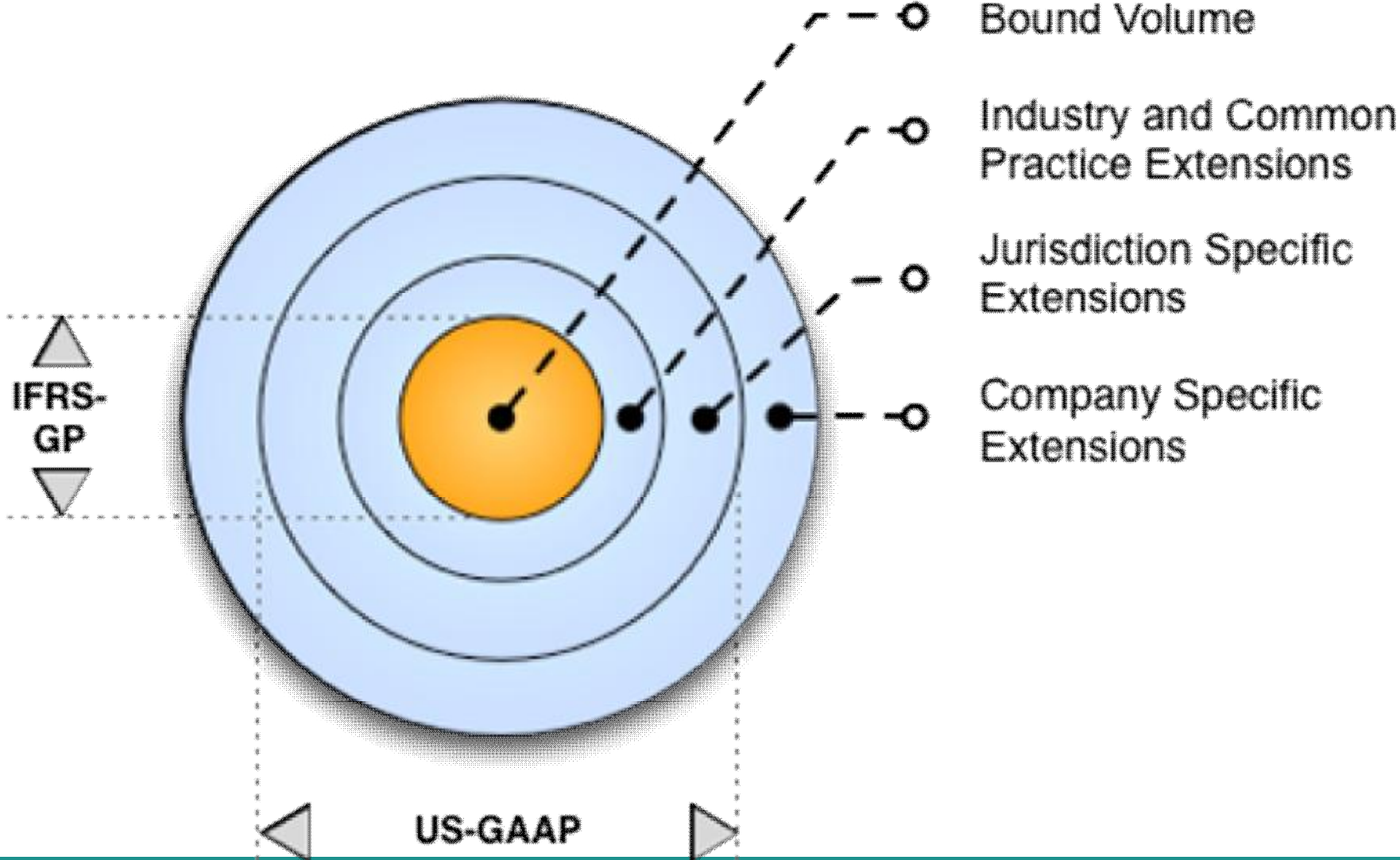
Adapted from *Piechocki, & Felden*, XBRL Taxonomy Engineering: Definition of XBRL taxonomy development process model - used with author's permission

Approach

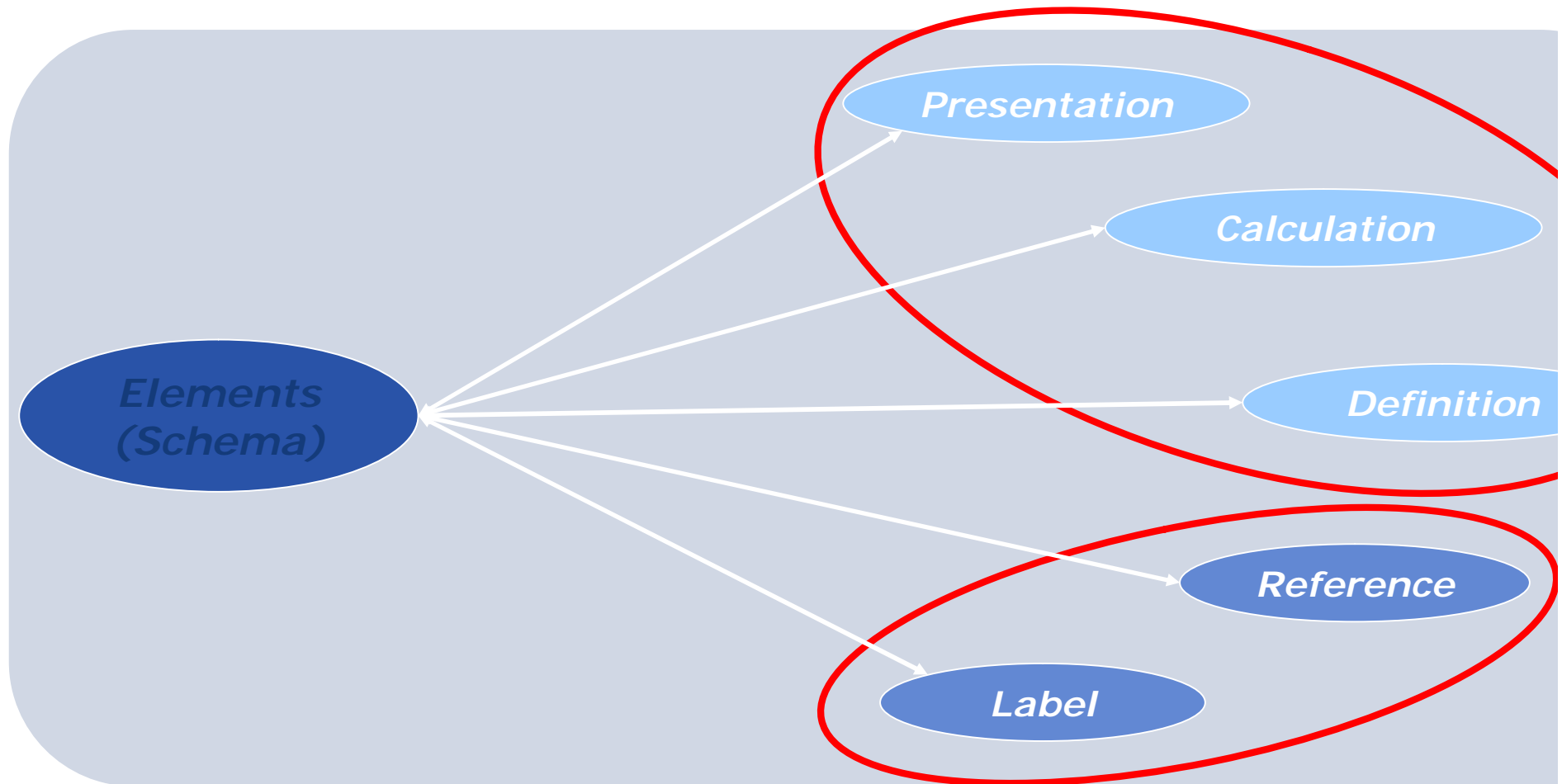
- IAS 1 para 1:

“The objective of this Standard is to prescribe the basis for presentation of general purpose financial statements, to ensure comparability both with the entity’s financial statements of previous periods and with the financial statements of other entities. To achieve this objective, this Standard sets out overall requirements for the presentation of financial statements, guidelines for their structure and minimum requirements for their content. The recognition, measurement and disclosure of specific transactions and other events are dealt with in other Standards and in Interpretations.”

Taxonomy Scope



Traditional Taxonomy Architecture



Basic Layer

ifrs-gp-ref-2005-05-15.xml

• All References

ifrs-gp-lab-2005-05-15.xml

• All Labels (En)

ifrs-gp-types-2005-05-15.xsd

• Schema Types

restatedLabel.xsd

• Will disappear with the LRR implementation

ifrs-gp-roles-2005-05-15.xsd

• All Linkroles

ifrs-gp-2005-05-15.xsd

• Basic Schema (All Concepts)

ifrs-gp-pre-(...).xml

• 14 Separate Linkbase files

ifrs-gp-fi-pre-(...).xml

• 7 Separate Linkbase files

ifrs-gp-cal-(...).xml

• 13 Separate Linkbase files

ifrs-gp-fi-cal-(...).xml

• 6 Separate Linkbase files

Presentation

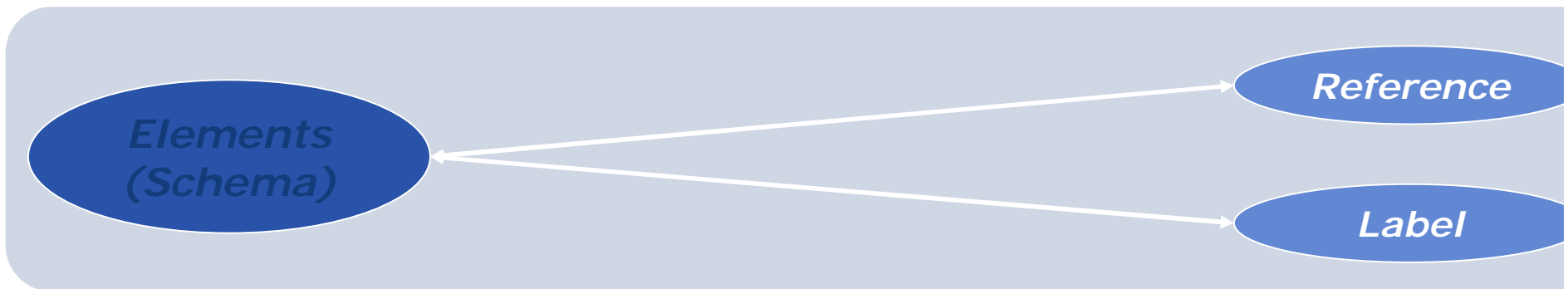
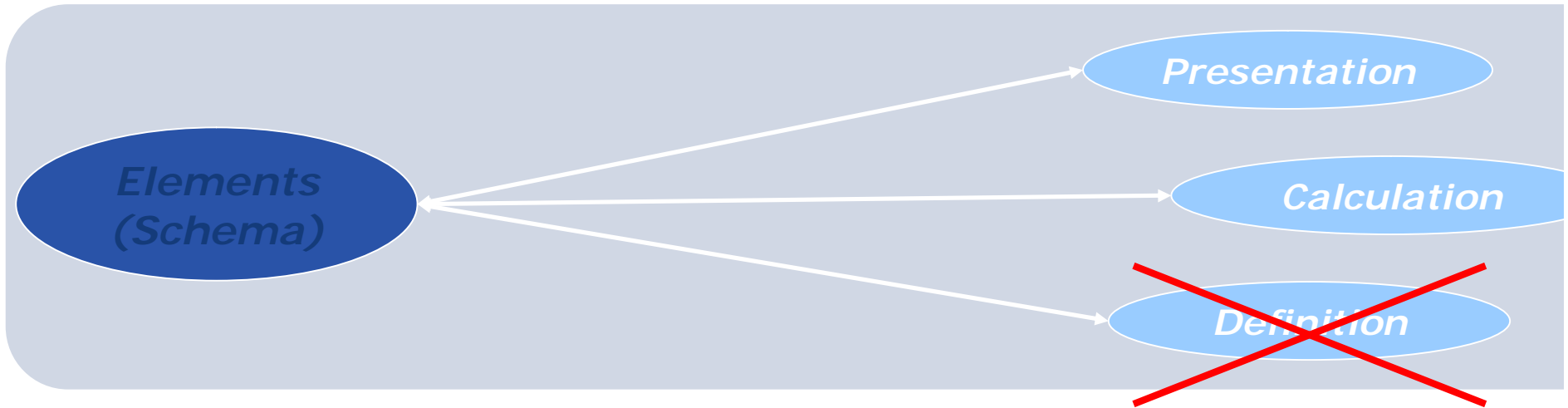
Calculation

Linkbase Modularity Layer

IFRS Taxonomy
"instance"

User chooses the Linkbase

Current Modularity



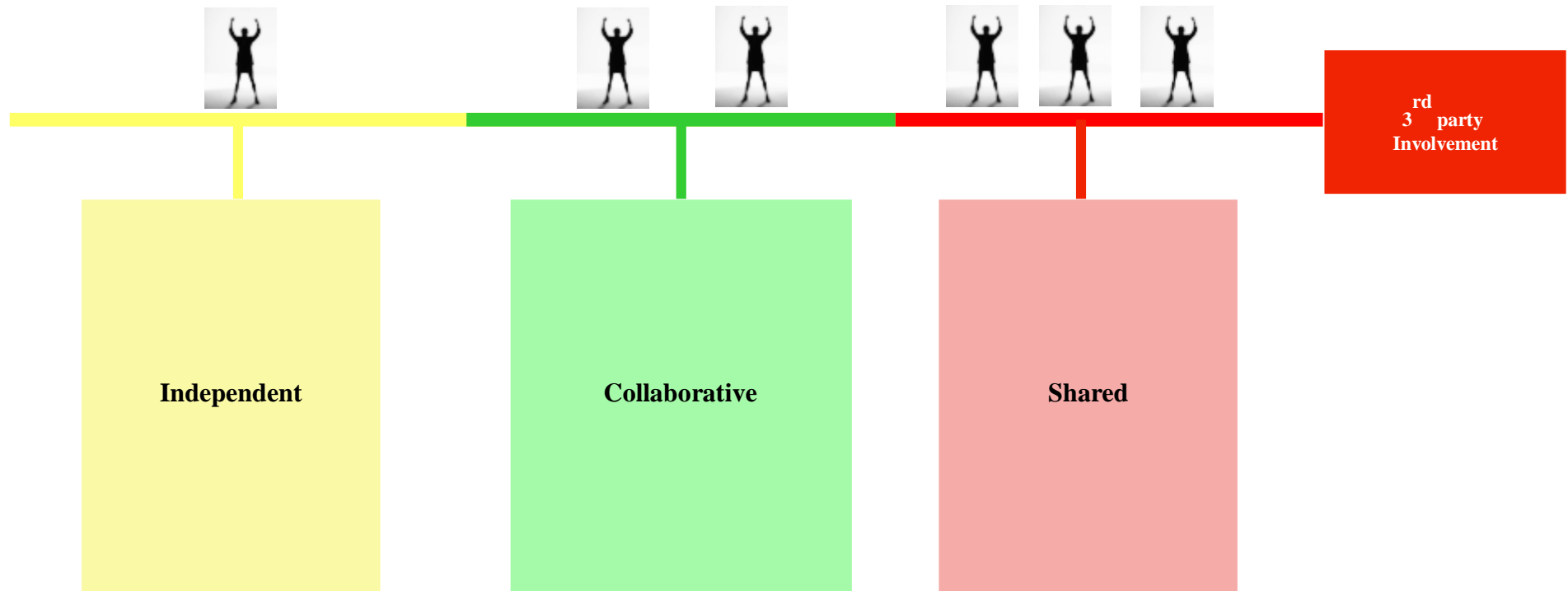
Lessons Learned

- Predevelopment – Often ignored or underestimated
 - plan, scope, etc
 - time taken – 3x expected
 - architecture
 - user experience is paramount

Lessons Learned

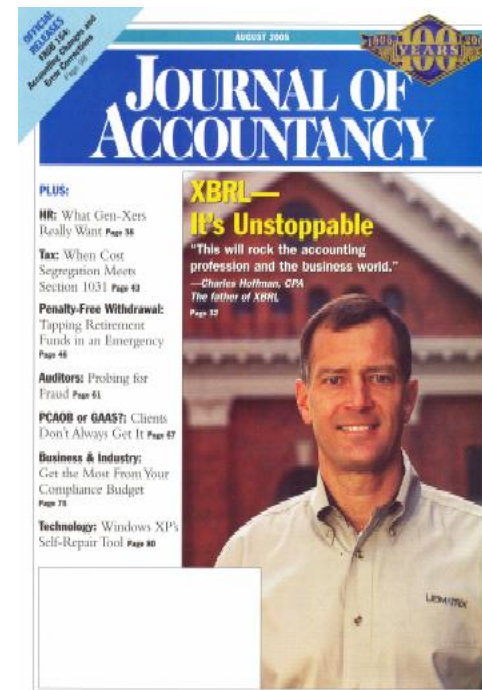
- Approach
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- Technology

Cost/Benefits of Collaboration



IFRS Team

- Leader – (Domain, XBRL & Project Management)
- Domain Experts (2)
- Data Architect/Engineer



Taxonomy Translations タクソノミーの翻訳

Screen 1 of 58	Screen 2 of 58
<p>Extended Link (貸借対照表, Classified Format) 貸借対照表 (Presentation) 資産 (Presentation) 資産, Non-流動 (Presentation) 有形固定資産, Net 投資不動産 無形資産, Net 生物資産 子会社に対する投資, 原価で 関連会社に対する投資, 原価で ジョイント・ベンチャーに対する投資, 原価で 持分法 Accounted Investments, 総額 持分法 Accounted 関連会社に対する投資 Other 持分法 Accounted Investments 繰延税金資産 資産 Pledged as Collateral Subject to Sale or Repledging, Non- 流動 その他の金融資産, Non-流動 Hedging 資産, Non-流動 営業債権その他の受取勘定, Net, Non-流動 前払金, Non-流動 拘束性預金又は担保に提供された預金 その他の資産, Non-流動 資産, Non-流動, 総額 資産, 流動 (Presentation) Non-流動資産 and Disposal Groups Held for Sale 棚卸資産 資産 Pledged as Collateral Subject to Sale or Repledging, 流 動 その他の金融資産, 流動</p>	<p>Hedging 資産, 流動 流動税金受取勘定 営業債権その他の受取勘定, Net, 流動 前払金, 流動 現金及び現金同等物 その他の資産, 流動 資産, 流動, 総額 資産, 総額 持分 and 負債 (Presentation) 持分 (Presentation) 持分 Attributable to 持分 Holders of 親会社 (Presentation) 発行済み資本金 その他の剰余金 自己株式 Retained Earnings (Accumulated Losses) 持分 Attributable to 持分 Holders of 親会社 引受済資本金 Minority Interest 持分, 総額 負債 (Presentation) 負債, Non-流動 (Presentation) Interest-Bearing Borrowings, Non-流動 Non-Interest-Bearing Borrowings, Non-流動 前受収益, Non-流動 引当金, Non-流動 Post-Employment Benefit Obligation, Non-流動 Other 財務負債, Non-流動 Hedging 負債, Non-流動 繰延税金負債 買掛金及びその他の支払勘定, Non-流動</p>

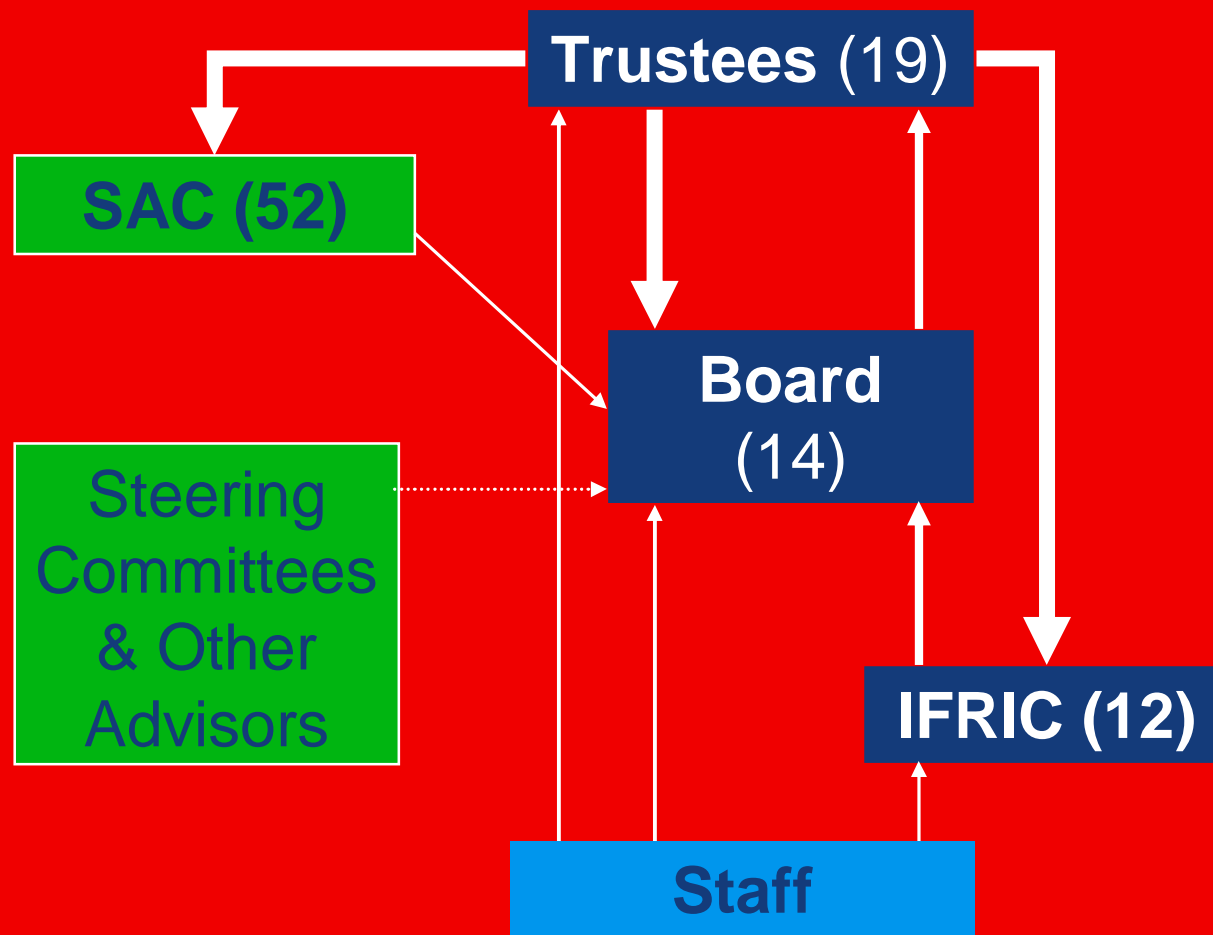
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 - Benefits and detriments of collaboration
 - Small focused team
 - Taxonomy building is an art, not a science

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IASC Foundation: Organisation



Search

Important Projects

- [Taxonomy Convergence](#)
- [Taxonomy Improvements](#)
- [Maintenance](#)
- [Enhancements](#)
- [ECCBSO](#)
- [FINREP](#)

Upcoming Events

- [IASB IT Discussion Group](#)
- [XBRL International Conference](#)
- [more upcoming Events](#)

IFRS-GP Online Tools

-  [IFRS-Taxonomy Modules Manager](#)
-  [Online Taxonomy Viewer](#)
-  [Online Taxonomy Search](#)

Links to Key Sites

- [IFRS Jurisdictions](#)
- [XBRL International](#)
- [XBRL Europe](#)

XBRL-IFRS Discussion

Subscribe XBRL - IFRS Yahoo

Groups E-Mail

IASCF XBRL RSS Feed

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XBRL News



IFRS-GP 2006 Taxonomy Acknowledged



31 January 2007

The IASC Foundation XBRL Team is pleased to announce that the XBRL Standards Board (XSB) of XBRL International *acknowledged* the IFRS-GP (2006) taxonomy on Wednesday 24 January....

[Read more >>](#)

Vacancy: XBRL Team Leader - International Accounting Standards Committee Foundation



24 January 2007

The IASC Foundation is seeking to appoint an eXtensible Business Reporting Language (XBRL) Team Leader....

[Read more >>](#)

Release of 2006 IFRS-GP Taxonomy Labels in Portuguese



22 January 2007

The IASC Foundation XBRL Team is pleased to announce the release of the draft Portuguese translation of the complete label linkbase for the IFRS-GP (May 06) Taxonomy....

[Read more >>](#)

IFRS-GP 2007 – Second Draft Release



17 January 2007

The IASC Foundation XBRL Team is pleased to announce the release of the second iterative draft of the IFRS-GP (2007), staged on our IFRS Taxonomy Versioning Ladder....

[Read more >>](#)

14th XBRL International Conference in Philadelphia – IASC Foundation XBRL Team Highlights



20 December 2006

The IASC Foundation XBRL Team was involved in a number of presentations during the 14th XBRL International Conference in Philadelphia....

[Read more >>](#)

European Central Banks (Balance Sheet Data Offices) IFRS XBRL Showcase Phase II Project Release



06 December 2006

The European Committee of Central Balance Sheet Data Offices (ECCBSO) and the International Accounting Standards Committee (IASC) Foundation XBRL Team are pleased to announce the release of their

IFRS-GP Taxonomy Links

- [IFRS-GP \(2006\) Final](#)
- [IFRS-GP \(2005\) Final](#)
- [Translations \(2005/06\)](#)
- [Extensions](#)
- [All IFRS-GP](#)

- [Improvements Roadmap](#)
- [Maintenance](#)
- [Enhancements](#)

- [IFRS-GP Iterative Drafts](#)
- [IFRS-GP 2007 Draft 0.1](#)
- [IFRS-GP 2007 Draft 0.2](#)

Taxonomy Feedback

- [IFRS-GP \(2006\) Final](#)

To comment on this Taxonomy [log in](#) to our taxonomy issues management system.

(You may subscribe [here](#))

XBRL Lab

Centre for XBRL Research + Development

- [Learn more](#)
- [Current Projects](#)
- [Proposed Projects](#)
- [Past Projects](#)

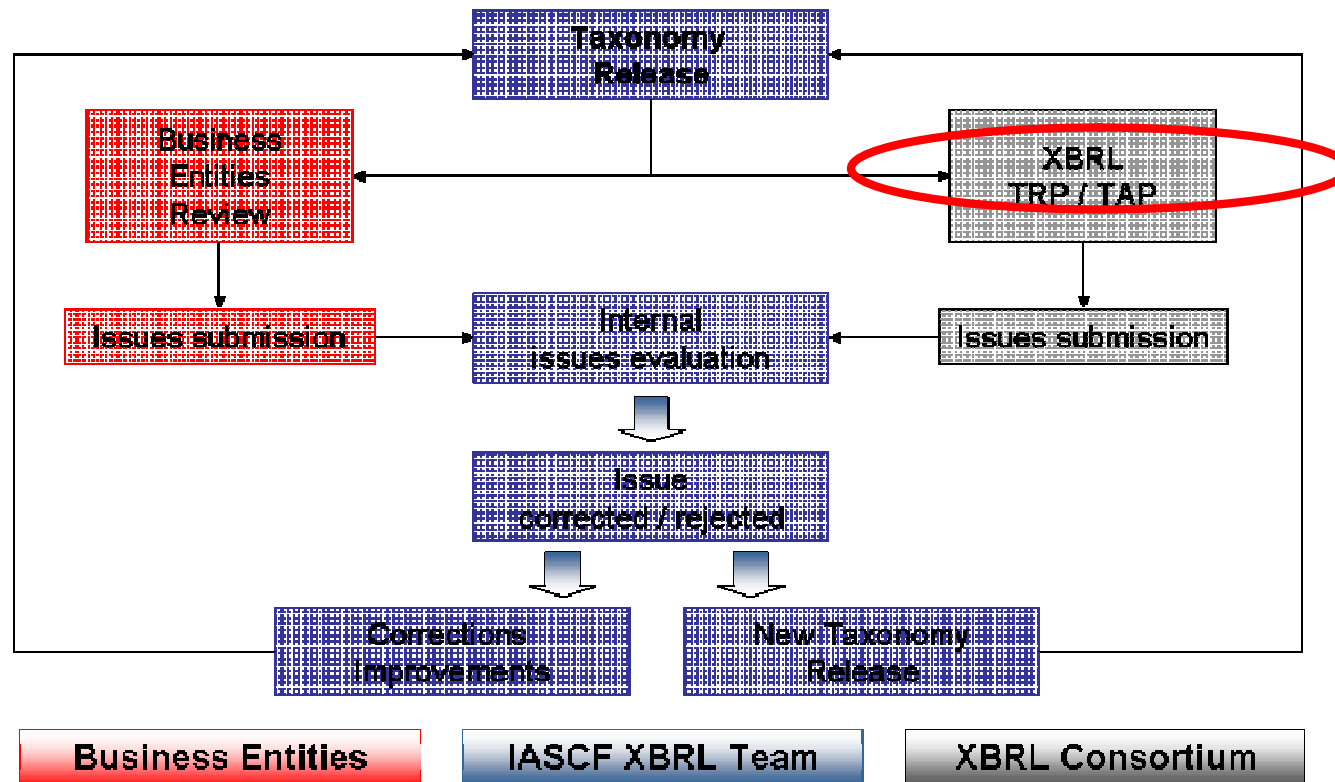
Education Centre

IFRS and XBRL education material

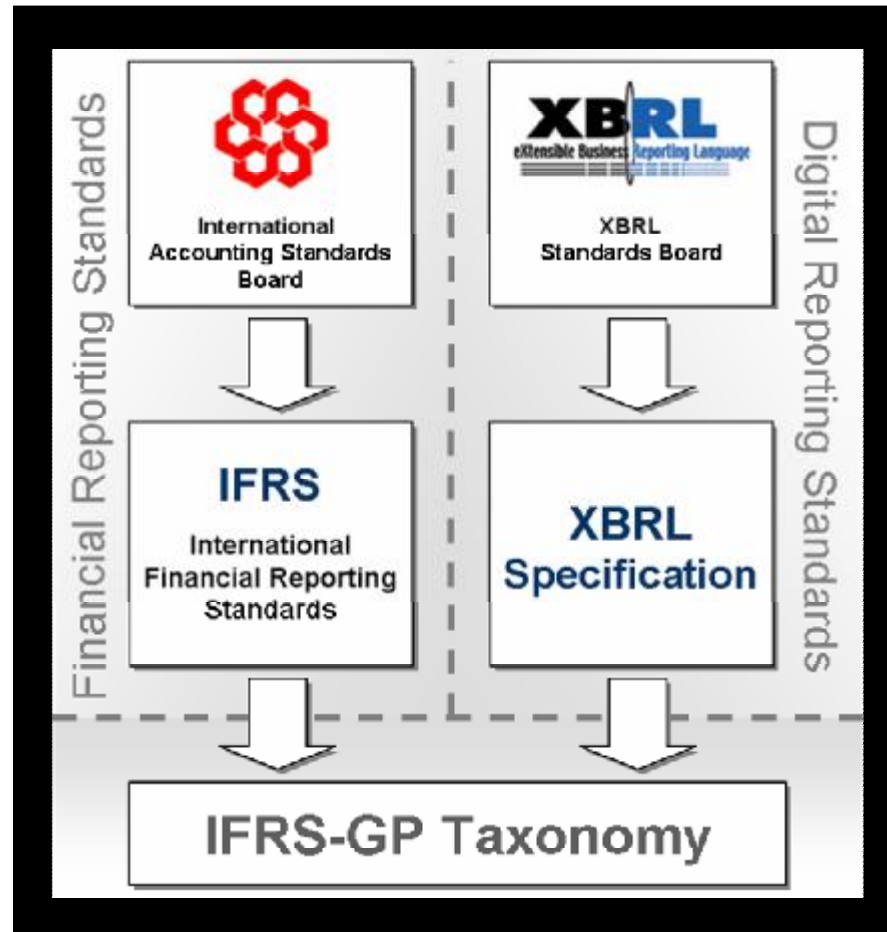
- [IFRS & XBRL Library](#)
- [Education Series](#)
- [Presentations](#)
- [Webcasts](#)
- [XBRL Tools](#)
- [Chronology](#)
- [XBRL News Archive](#)

Sub-process: Publication

IFRS XBRL Taxonomy Publication process



Complementary Standards



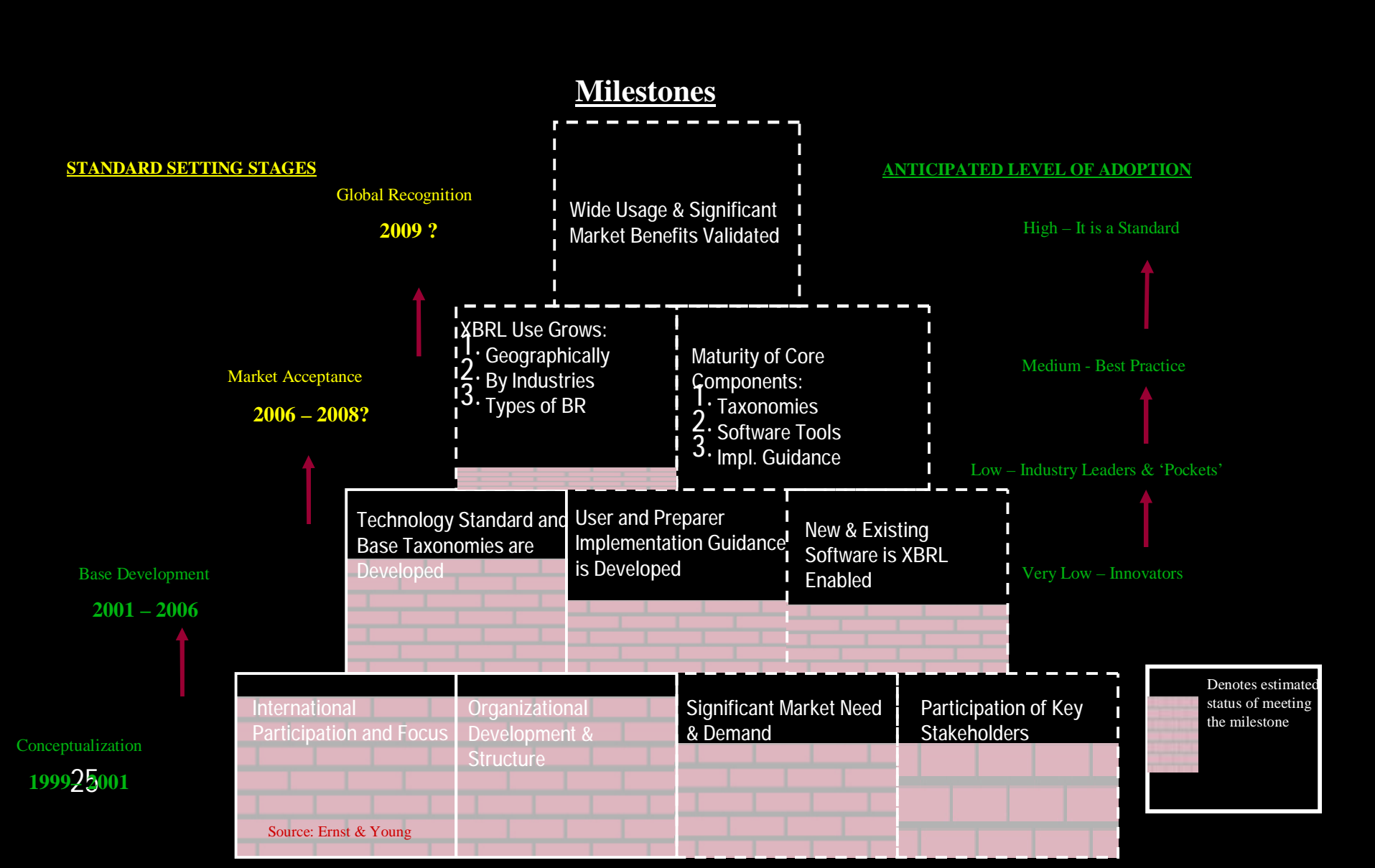
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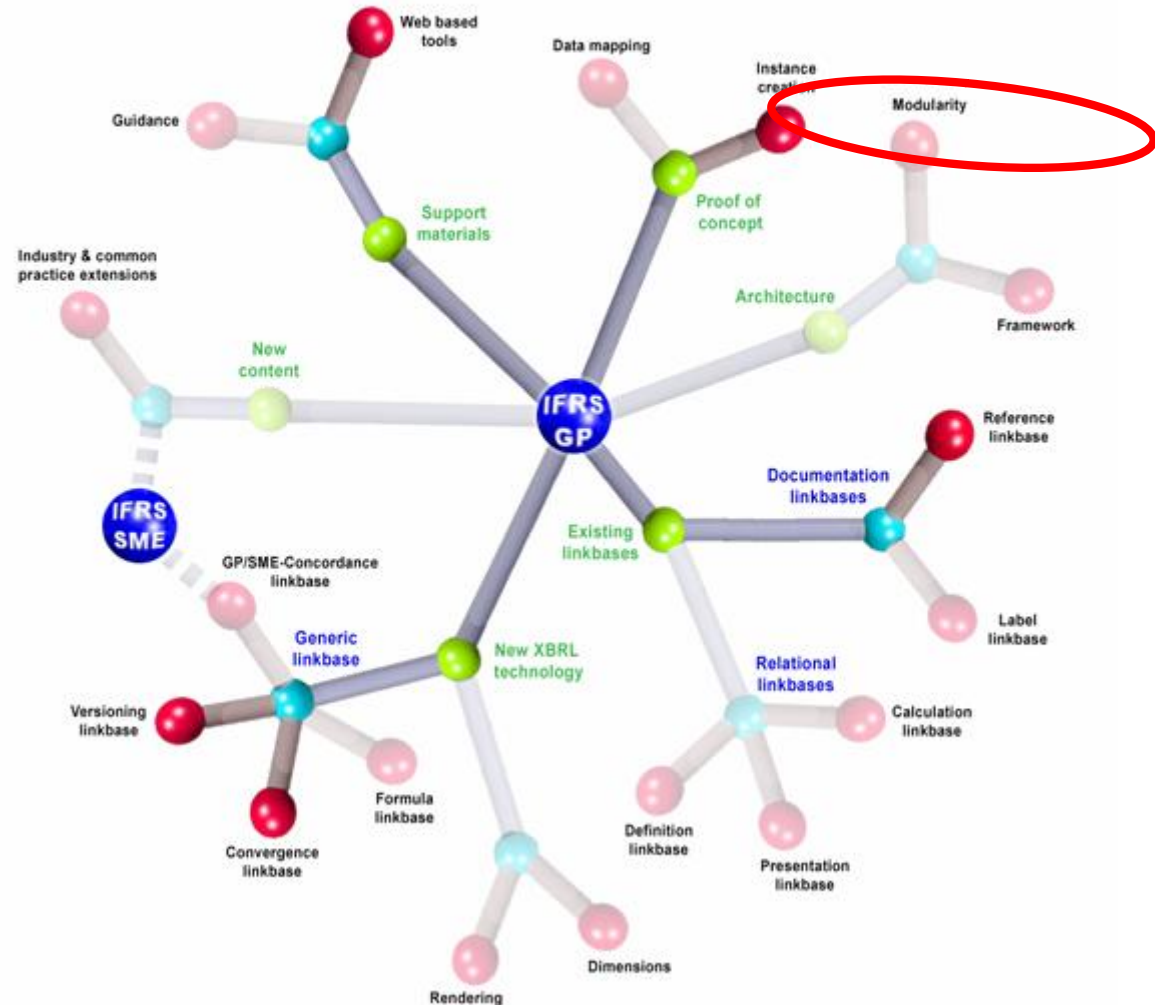
Maturity



Evolution

- New content
- New components
- New mechanisms
- New techniques

IFRS taxonomy improvements project



Example: Taxonomy Modules SHOULD-

1. correspond to reporting standards & rules
2. facilitate independent development and use
3. be comprehensible to domain experts
4. allow distributed taxonomy development
5. ease version control
6. ease taxonomy extension
7. minimise the number of redundant concepts
8. minimise the number of files required
9. minimise the number of namespaces defined

Calculation

Opening Balance

+ movement

=Closing Balance



Tools Support

- Multiple tools
- Vendor neutral
- Collaborative
- Task specific
- Stand alone

DecisionSoft
True North Enterprise Validator
→ [Visit DecisionSoft](#)



Rivet Software
Dragon Tag
→ [Visit Rivet Software](#)



UBMatrix
UBMatrix Automator
→ [Visit UBMatrix](#)



Fujitsu
Taxonomy Editor & Instance
Creator
→ [Visit Fujitsu](#)



Tools Support (cont'd)

The screenshot displays the IASB XBRL website interface. At the top left is the IASB logo and the text "International Accounting Standards Committee Foundation®". To the right is the URL "www.iasb.org/xbrl" in red. A blue navigation bar contains links: Home | About XBRL | Taxonomies | Extensions | Translations | EduCentre | Laboratory | Legal | About us | Contacts. Below the navigation bar, on the left, is a search box with an "ok" button. The main content area is titled "XBRL IFRS-GP Tools" and lists several tools with icons and descriptions:

- ITMM**: Online IFRS modules manager (Icon: puzzle pieces)
- XBRL GPS**: Online taxonomy search engine (Icon: magnifying glass over a globe)
- I-TSI**: Taxonomy status indicator (Icon: satellite dish)
- ABRA Viewer**: Online IFRS taxonomy viewer (Icon: eye)
- PCCC**: Online presentation and calculation linkbase consistency checker (Icon: calculator with a red checkmark)

On the left side of the page, there are three additional sections:

- Taxonomy Improvements Project**: Accompanied by a molecular structure icon.
- Other Important Projects**: Lists "Taxonomy Convergence" (with US and UK flags), "ECCBSO", and "FINREP".
- Upcoming Events**: Lists "IASB IT Discussion Group" with a date range of 9, 10, 11, 12.

Versioning

Change of	Impact on	Reference	Extract from XII Specification 2.1 or FRTA															
			(back to the matrix)															
<schema> <element> <i>abstract</i>	<linkbase> Extended link <arc>	spec.2.1. 5.2.4.2	see Case 1															
			(back to the matrix)															
<schema> <element> <i>type</i>	<schema> <element> <i>balance</i>	spec.2.1. 5.1.1.2	An optional balance attribute MAY be added to the definition of an element if its type is <code>monetaryItemType</code> or derived from <code>monetaryItemType</code> . The balance attribute MUST NOT be used on items that do not have type equal to the <code>monetaryItemType</code> or to a type that is derived from <code>monetaryItemType</code> .															
		FRTA 2.2.3	Monetary concept declarations corresponding to accounting credit or debit balances (asset, liability, equity, revenue, expenses) must use the balance attribute.															
			(back to the matrix)															
<schema> <element> <i>balance</i>	<linkbase> Extended link <arc> <i>weight</i>	spec.2.1. 5.1.1.2 Table 6	<table border="1"> <thead> <tr> <th>balance attribute of "from" item</th> <th>balance attribute of "to" item</th> <th>illegal values of the weight attribute on calculationArc</th> </tr> </thead> <tbody> <tr> <td>debit</td> <td>debit</td> <td>Negative (< 0)</td> </tr> <tr> <td>debit</td> <td>credit</td> <td>Positive (> 0)</td> </tr> <tr> <td>credit</td> <td>debit</td> <td>Positive (> 0)</td> </tr> <tr> <td>credit</td> <td>credit</td> <td>Negative (< 0)</td> </tr> </tbody> </table>	balance attribute of "from" item	balance attribute of "to" item	illegal values of the weight attribute on calculationArc	debit	debit	Negative (< 0)	debit	credit	Positive (> 0)	credit	debit	Positive (> 0)	credit	credit	Negative (< 0)
balance attribute of "from" item	balance attribute of "to" item	illegal values of the weight attribute on calculationArc																
debit	debit	Negative (< 0)																
debit	credit	Positive (> 0)																
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credit	credit	Negative (< 0)																
			(back to the matrix)															
<schema> <element> <i>substitutionGroup</i>	<schema> <element> <i>periodType</i>	spec.2.1. 5.1.1.1	the <code>periodType</code> attribute MUST be used on elements in the substitution group for the <code>ite</code> element															
			(back to the matrix)															
<schema> <element> <i>id</i>	<linkbase> Extended link <arc>	spec.2.1. 3.5.4	To point to a particular XML element, URIs used in [XLINK] hrefs MUST end in a fragment identifier.															

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- Communication is key:
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 - Communication at start *and* Communication on completion
- Do not underestimate the complexity of the technology:
 - Maturity
 - Existing Limitations
 - Scope creep
 - Versioning and maintenance is the most important consideration