



RTE Innovations for Europe COREP – FINREP - DPM

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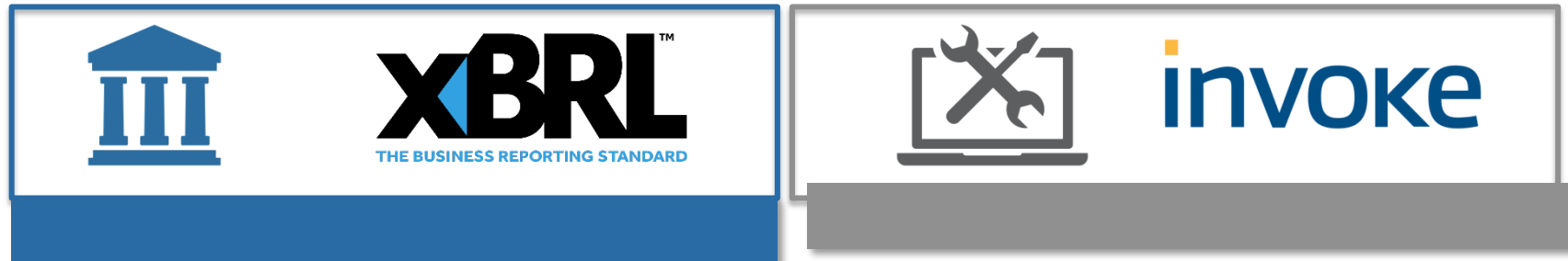
Director, International Development Leader

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Invoke: Who we are and what we do

Software publisher specialized in external reporting & XBRL solutions that mitigate disclosure risk and offer regulatory peace-of-mind



Under CRD IV, the ultimate target is the same for everybody...

COREP Liquidity Coverage Ratio
CRD IV **CRR**
FINREP
Large Exposure
Basel 3



What are the challenges faced by firms?

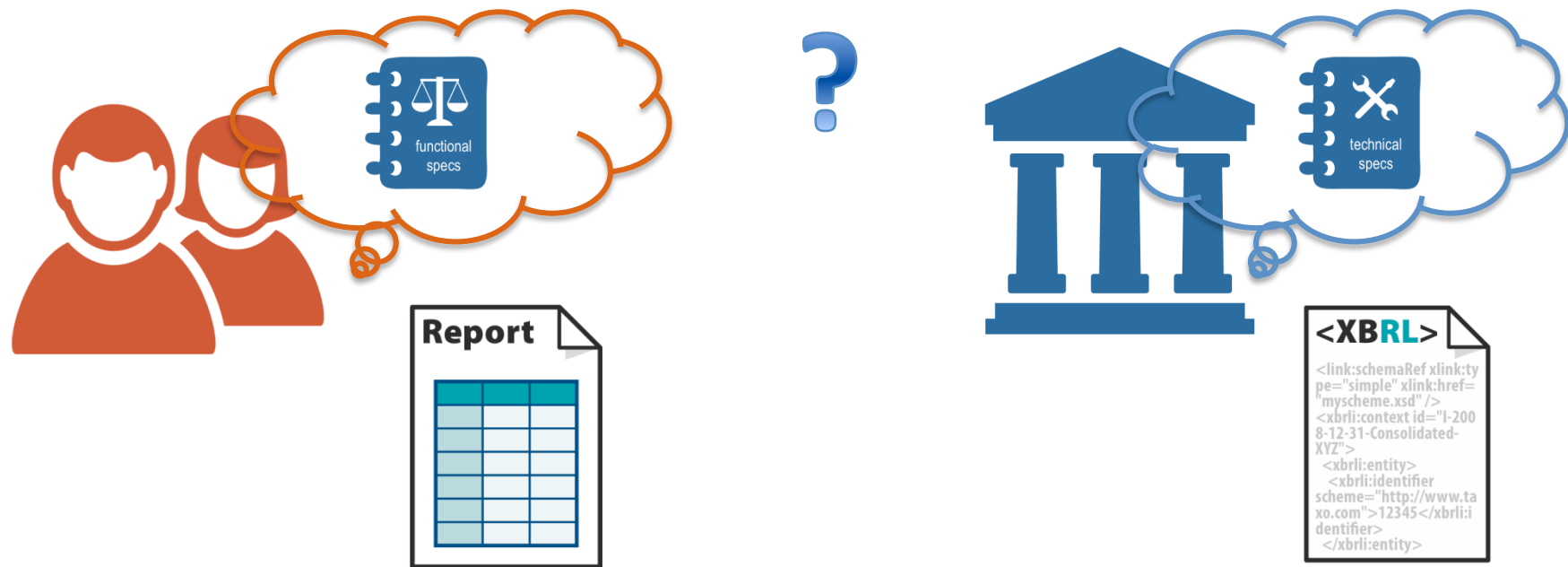
- More granular data**
- Increased reporting frequency**
- Compressed timelines**
- Timing and frequency of taxonomy releases**
- Hard implementation deadlines**

What are the challenges faced by supervisors?

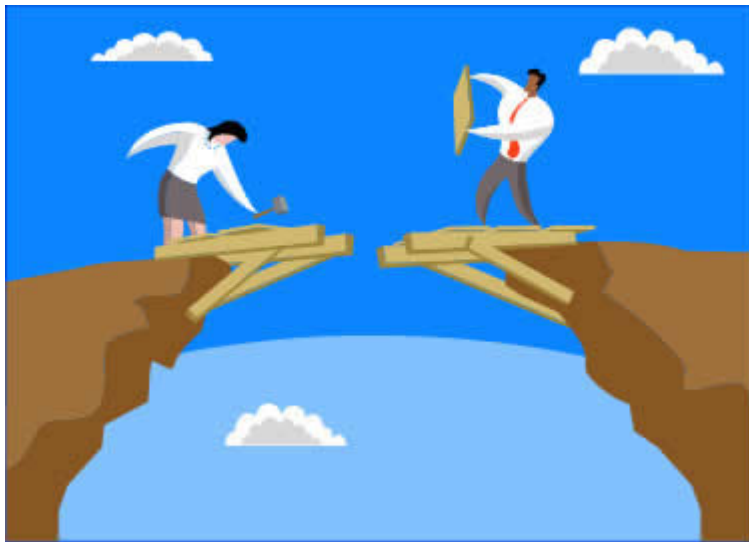
- Imposing XBRL for first-level reporting YES/NO?**
- Managing stakeholder expectations**
- Technology implications**
- Resource and budgetary constraints**
- Hard implementation deadlines**

CRD IV • Typical background situation

The industry as a whole has tended to underestimate the learning-curve for managing CRD IV, notably COREP, in XBRL



...Experience has shown us that there are multiple routes to reaching the target!



Faced with so many challenges, lots of CRD IV project teams have been feeling like this...

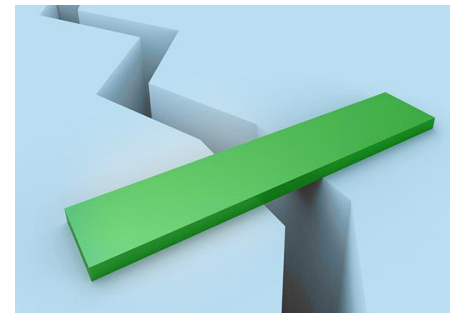


Or like this...



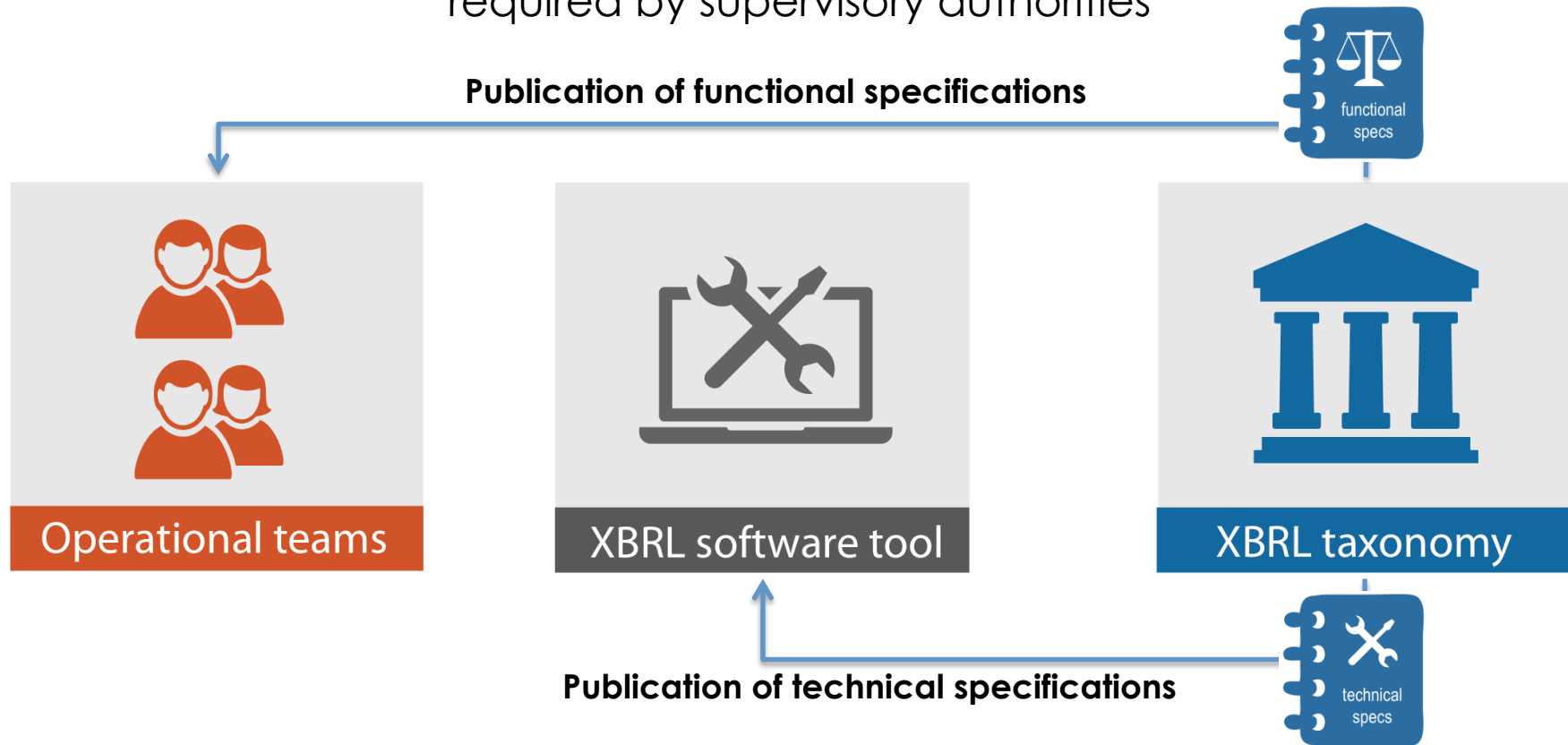
Getting to the other side requires:

- ✓ **A cross-competency skill-set mixing business and IT**
- ✓ **An agile approach to data-management**
- ✓ **A sustainable technology strategy based on forward-looking moderation**
- ✓ **Specialist software supported by experts in XBRL-based regulatory reporting**



CRD IV • The enabling role of XBRL software

Bridging the gap between the legislative package and the data required by supervisory authorities



The importance of user-oriented XBRL solutions

Faced with such a complex regulatory framework, most business users don't have the bandwidth to 'learn' the intricacies of XBRL



From an **XBRL** point of view

- ★ Multiple taxonomy iterations
- ★ Use of the Table Linkbase specification
- ★ Complex Formula and coherency checks
- ★ Large instances with highly-dimensional data



From a **technological** point of view

- + Generic taxonomy-driven solutions including in-house regulatory maintenance
- + Domain experts align the technical vision with the business-user vision using an integrated XBRL web spreadsheet interface
- + Cell-level error identification, drill-down formula results, exportable/re-usable validation reports
- + Performance optimizations including batch processing and asynchronous validation