

"BCBS#239, organizational side effects"

Rome – 23rd of June 2015

Preliminary considerations

- 2 Setting up a CDO function
- 3 Value adding: some examples
- 4 Conclusions

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Effective risk data aggregation and risk reporting requirements – nothing substantially new in the latest regulations

BCBS 239 principles



BCBS 239 principles to support banks' top management and Supervisors' timely and accurate decision making, especially in critical situations

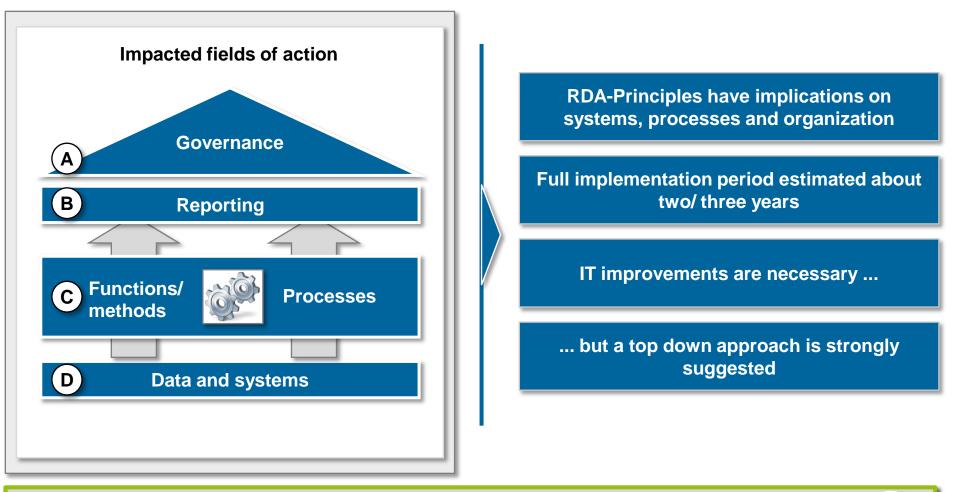
From an efficiency perspective to a survival matter





The accomplishment of BCBS 239 principles will go through a rough way impacting several areas of the bank – such a change requires a strong guidance

Impacts of Risk Data Aggregation

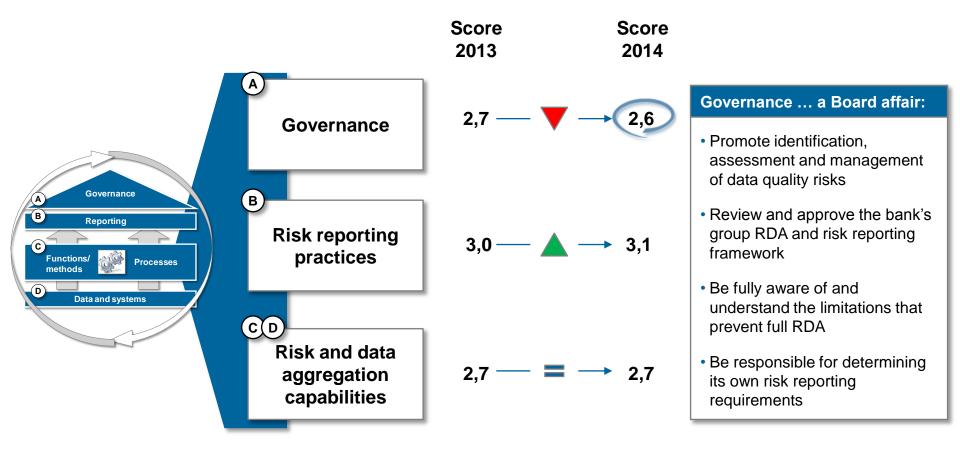


Guiding the change is crucial to assure consistency and efficiency



The G-SIBs self assessment, sponsored by the Basel Committee to assess BCBS 239 compliance status, shows significant gaps especially on Governance aspects

Compliance assessment outcomes: 2013 vs 2014



Setting up a Chief Data Office could be the preliminary step to undertake in order to close the existing gap and assure a smooth and efficient change, and a continuous supervision





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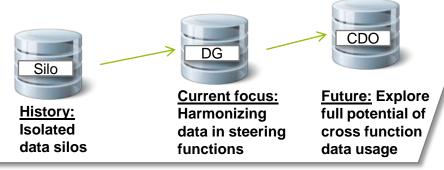


CDO as cross over function to enable quality, efficiency and chances in *using* data – to the benefit of bank steering and bank development

Initial situation and objectives

Our observation

- Historically each business unit required stand alone IT solutions for **stand-alone business**
- Some banks have implemented a Data Governance function – focussing on finance and risk
- The current evolution shows for the future a tendency to integrate all data aspects in one CDO function – including value adding functions to actively develop the business



Objectives CDO

- Bring business units together, integrate and consolidate the information, overcome organizational barriers (origination vs. steering)
- Envision and direct an overall **data and analytics strategy** ("*validate and explain*") for the business
- Activate change by using data and analytics to deliver greater value and impact the business ("challenge")
- Show options of realizing **cross over benefits** ("*do the right things*"):
 - Taxonomies
 - Processes
 - Organisation
 - Human Resources

Development towards CDO needs clear positioning



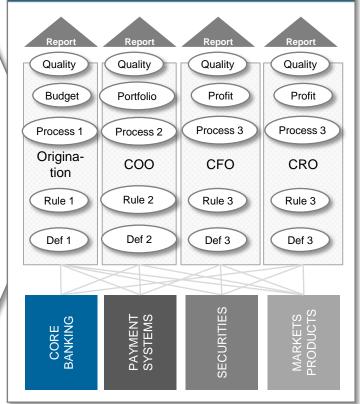
Despite all technological advances, most business units in banks are still lead as expert silos

Expert governance - in this model experts define taxonomies, processes, functions individually

Expert governance is characterized by:

- Managerial silos: separation of functions and units (all levels)
- Quality islands: no information alignment, each area claims quality standards for herself
- No steering focus: experts deliver their view, but do not argue in terms of "overall relations/contribution"
- Expert isolation: managers do not like to enter expert discussions with relevant consequences:
 - High operational per capita risk
 - Stockholm syndrome with auditors and regulators
 - Creation of functional redundancies
 - Development of taxonomies and of rules in isolation
 - Creation of a dangerous mix of business and IT abstractions
- Low synergies: high inefficiency in terms of new, synergic usage of data and creating new chances from existing data

Expert governance example



Resulting CDO core mission: break business silos, bring together the experts, establish layers/ abstractions for a federative cross functional approach with Origination, COO, CRO and CFO



Overcoming the silos: the target concept of a CDO is the basis to allow cross functional cooperation and integration

CDO covering all cross functional layers

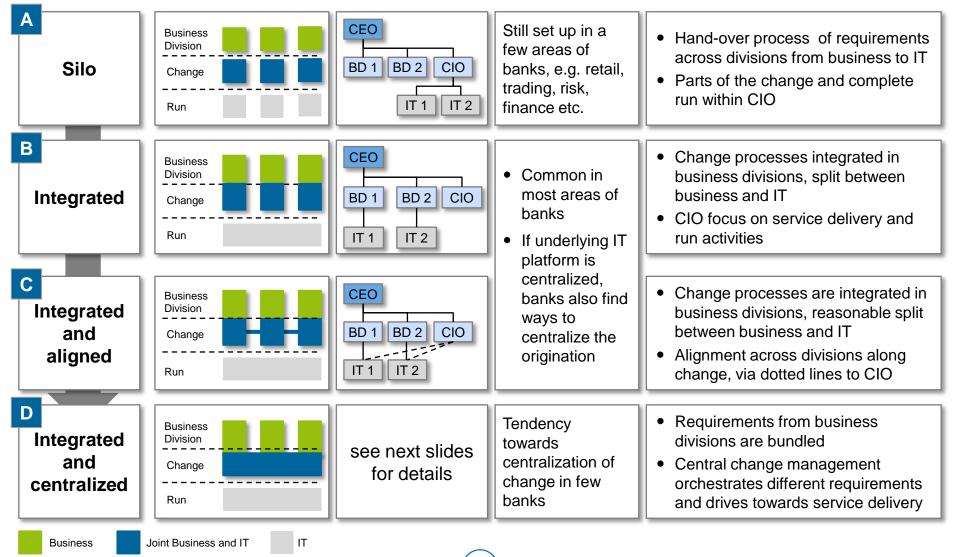
CDO concept characteristics:	Functions along core data value chain				
 Develop innovative data usage approaches, using prototyping and agile project management approaches 	Challenging management function				
 Clear mandate of reporting functions to challenge management of the business units i.e. with benchmarks 	Overall analysis function				
 Overall cross functional analysis, providing a cross functional explanation of results 	Report generation				
 Cross functional standard reports generation 					
 Provide business services and consulting to further develop the infrastructure 	Data business service and consulting function				
 Clear cross unit philosophy of defining: taxonomy, rules of aggregation as well as processes (run the bank) 	Certification function				
 Defining cross functional projects (change the bank) 					
Certificate processes and data management	Data management function				
CDO as testimenial of a ten down entreach, instead of maintaining siles, focus or					
CDO as testimonial of a top down approach: instead of maintaining silos, focus on					

common functions along common processes – always along the core data value chain



Integration of business requirements entails also change processes to move toward centralization

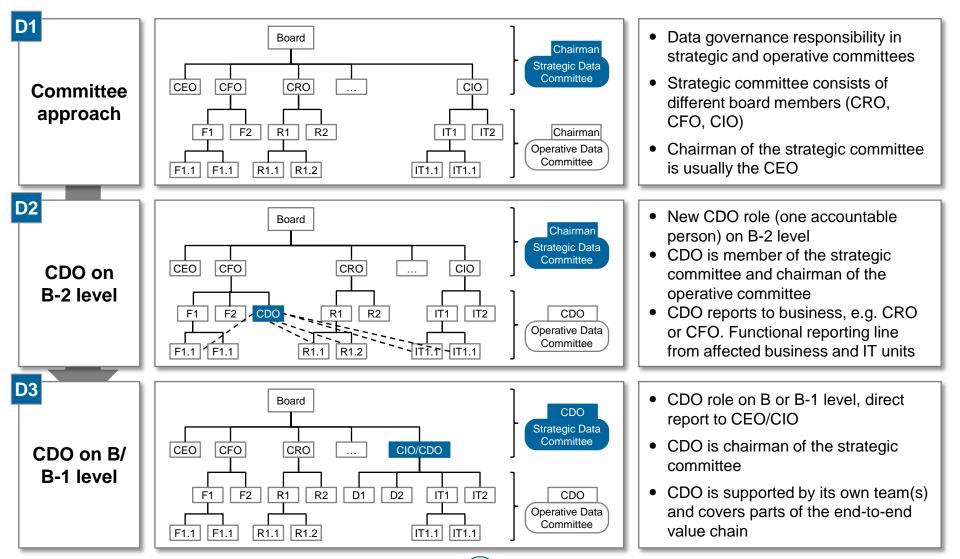
Organizational Structure (Roles & Responsibilities) (1/2)





Integration of organizational units requires joint committees – alternative CDO organizational positioning

Organizational Structure (Roles & Responsibilities) (2/2)

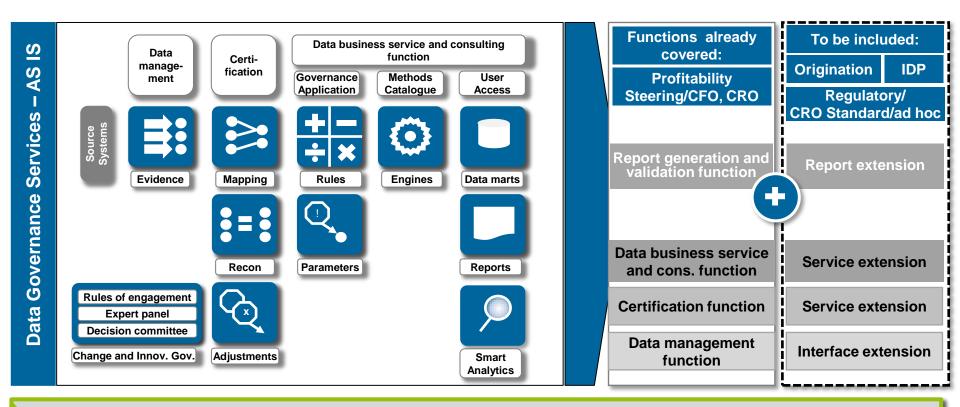




Basis for Data Governance are often already developed involving some cross functional services – extension to origination as a next step for full integration

First step towards full CDO approach: Extend services to origination

- Deliver the complete picture for all functions already covered by data governance
- Explicitly analyse the fields where IDP is still in place and migrate these to the DG service platform
- Explicitly include the origination desks to cover the complete front-to-end information flow



Convince origination departments to follow the CDO approach focusing on costs, synergies in current processes – not to forget the value added by permanently analyzing data usage



Extend the CDO function to analysis and explanation – establishing a cross functional explanation process

CDO: Overall analysis function

Situation as-is

- Analysis and explanation process are currently performed on a stand alone basis by steering departments
- Analysis is not business and management focused

Experiences

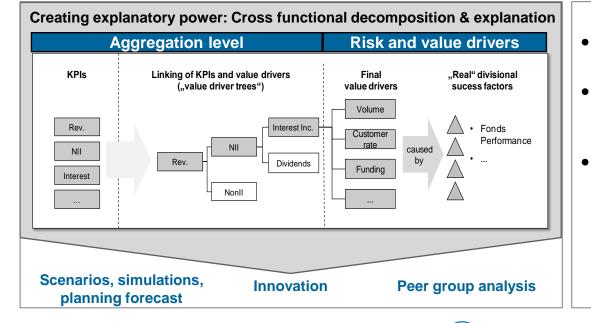
- Non-collaborative working models are obstacle to change
- Non integration of COO & origination leads to IDP silos
- Time gap in report generation, steering signals inconsistency

Explanation of the process

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- CDO to build federative framework for explanation
- CDO to integrate all business domains, including origination, on one technical/ process platform



- CDO to bring together knowledge from different business domains
- CDO to provide analysis and explanation framework and explanation processes
- Clear responsibilities and explanation roles including the origination in the validation/explain process – including all business domains on the CDO platform

Use data to create value challenging management on a regular basis – proposing 360° view on innovation and change

CDO: Challenging management function

Situation as-is

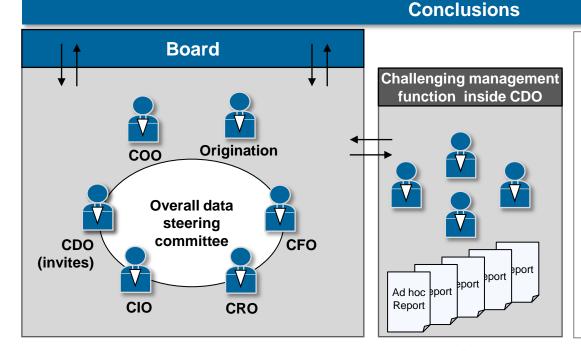
- Currently, most reports do not focus on managerial decisions
- Ad hoc mandatory reports are generated regularly
- No focus to use data for new business opportunities

Experiences

- No active thinking about value added of data across the organisation
- Lack of encouragement on discussing results on all levels

Targets

- Targeting data usage and innovation
- Moderating cross functional data usage discussion
- Giving impulses via explicit mandate to challenge



• CDO to organise overall data steering committee to discuss data usage

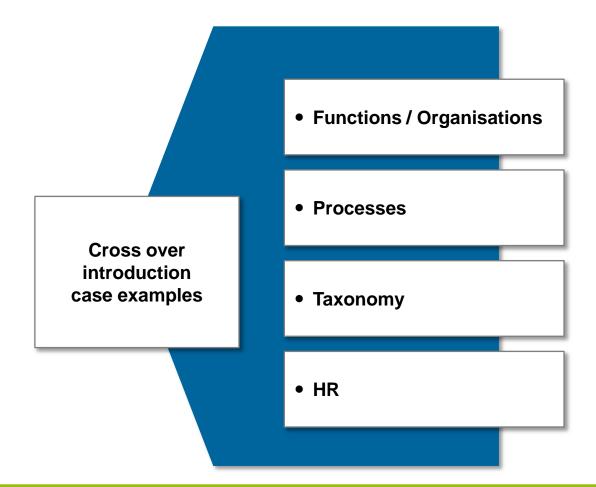
- Bank steering data committee to decide on investment in infrastructure as well as on task forces and procedures for ad hoc measures
- Consulting-style team for ad hoc reporting and benchmarking requests
- Challenging performed to collect benchmarks and new business approaches for data usage
- Propose concrete processes for introduction of innovation

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Functional development and improvement: examples of areas where the CDO introduction would provide value added to the current framework

Cross over: function/organisation, processes, taxonomy, HR



Cross over is a matter of mindset: cross over use cases more and more established in bank-steering



Example organisation: establishing a cross-over challenging organisation – CDO to provide the organisational as well as technical platforms



Cross over organisation: Challenging management function

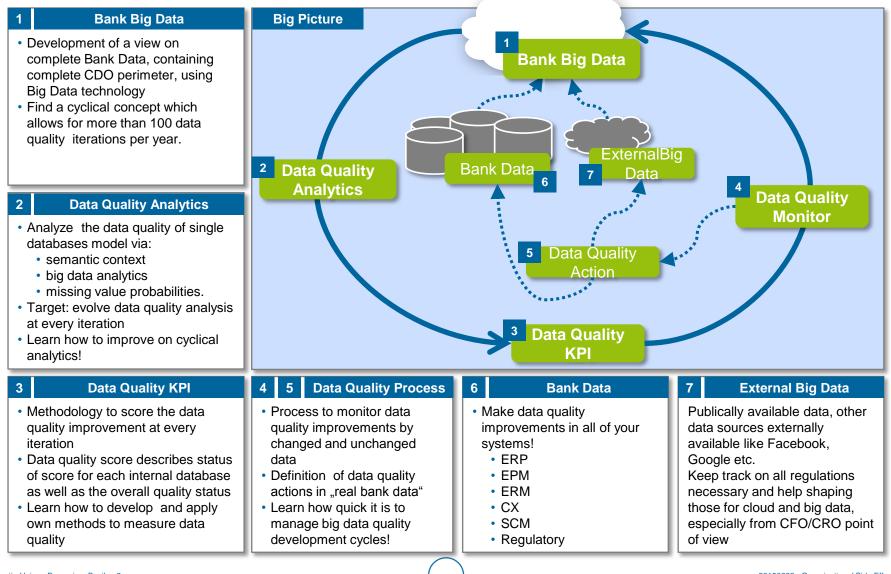
Task	Activities and processes to challenge the business lines			
Owner	Frequency	Board	Participants	Basis of discussion / items
Group	Monthly	Business Line review	Group CFOBusiness Line CEOBusiness Line CFO	 Balance sheet limits Individual reports by market and district Ranking & efficiency reports Profitability of customers and products Business specific key performance indicators Selected risk information
CFO	Quarterly	Business line Strategy review	 Group CEO Group CFO Business Line CEO Business Line CFO 	 Strategic priorities run the business (e.g. capital allocation, people management, performance) Value creation for shareholders Peer group analysis Re-forecast



Example processes: CDO to provide independent and lean data quality process delivering a KPI matching BCBS 239 requirements



Cross over process approach: Data quality



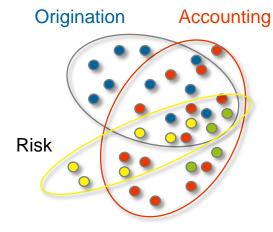
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Example taxonomy: CDO to bring together all important steering scales across steering and origination areas



Cross over taxonomy: Country as example

Country as example for taxonomy overlaps



Common risk taxonomy for country risk: Based on abstraction of cross country payments (in diverse variations, according to the structure of a deal)

Origination definition of country Risk:

risk of a country Portfolio according to country of risk origination

Accounting country risk definition:

risk of country, where the deal was booked/ is to be paid

Expert taxonomy creates extra complexity!

- If experts define the taxonomies of each of their business domains, slight overlappings lead to additional complexity
- Taxonomies (see country risk) need overlaps, but it must always be defined which one sets the leading abstractions and which ones are used for explanation
- Define a common taxonomy (very difficult because overlaps are included) including especially all overlaps!

Taxonomies are key driver of complexity!

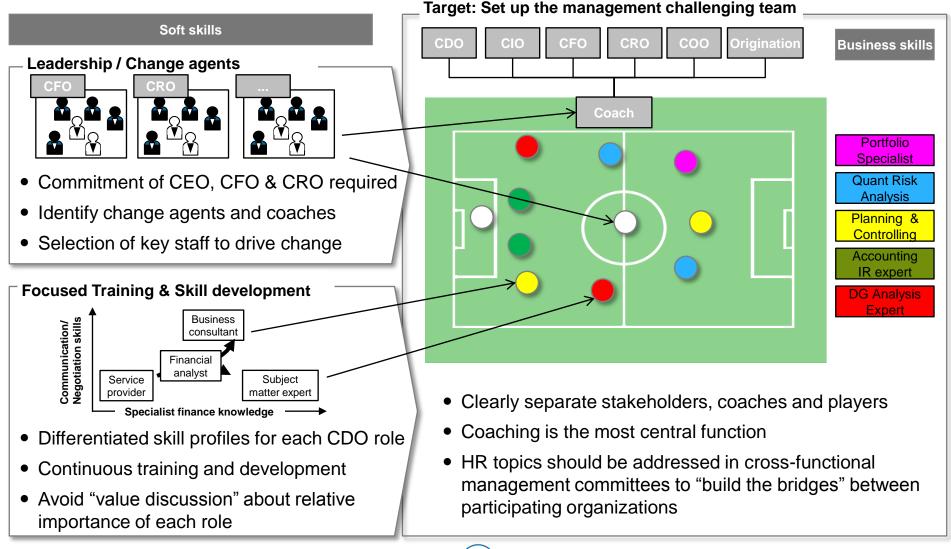
As CDO look at the overlaps and make them describe- and measurable



Example HR: CDO needs HR concept to support the change towards crossover leadership and skill development



Cross over HR management: It's a team challenge





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Data completeness and accuracy is critical for decision-making, reporting, risk management and regulatory compliance. Rationalization, integration and evolution of data governance need to be lead by a permanent CDO structure

CDO benefits

1	Information stewardship: CDO as a dedicated enterprise data steward serves as bridge aligning business and IT in the information management space	\checkmark
2	Close cooperation between business and IT as a strategic asset: CDO can align the interests of the organization across all business lines and geographic borders. It will serve as a key partner together with the CIO for core business leaders such as the CEO, CFO,CRO	\checkmark
3	Data quality monitor and rationalization: CDO unites individual business interests and technology silos to enable the rationalization of otherwise disparate stores of corporate information	\checkmark
4	Accurate and timely decision-making: CDO assures data quality and availability for accurate and timely decision-making to reduce related risks and losses	\checkmark
5	Risk management and regulatory compliance: CDO rationalizes information silos, defines and executes data governance and stewardship regimes, enforces data quality standards, and creates shared information services	\checkmark





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