



Financial Planning with SAP Analytics Cloud

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Why?

What?

Demo.

Hydro - The global and complete aluminium company



“...create a more viable society by innovative and efficient use of natural resources and products”

More than 110 years of industrial development and responsibility



Aluminium – metal of the future



Hydropower – infinitely recyclable energy



Engaged in the entire value chain – R&D, innovation and tailormade solutions



Global reach, local presence

35,000 employees

150 locations

40 countries

Involved and engaged



MEMBER OF
Dow Jones Sustainability Indices
In Collaboration with RobecoSAM

ICMM
International Council on Mining & Metals



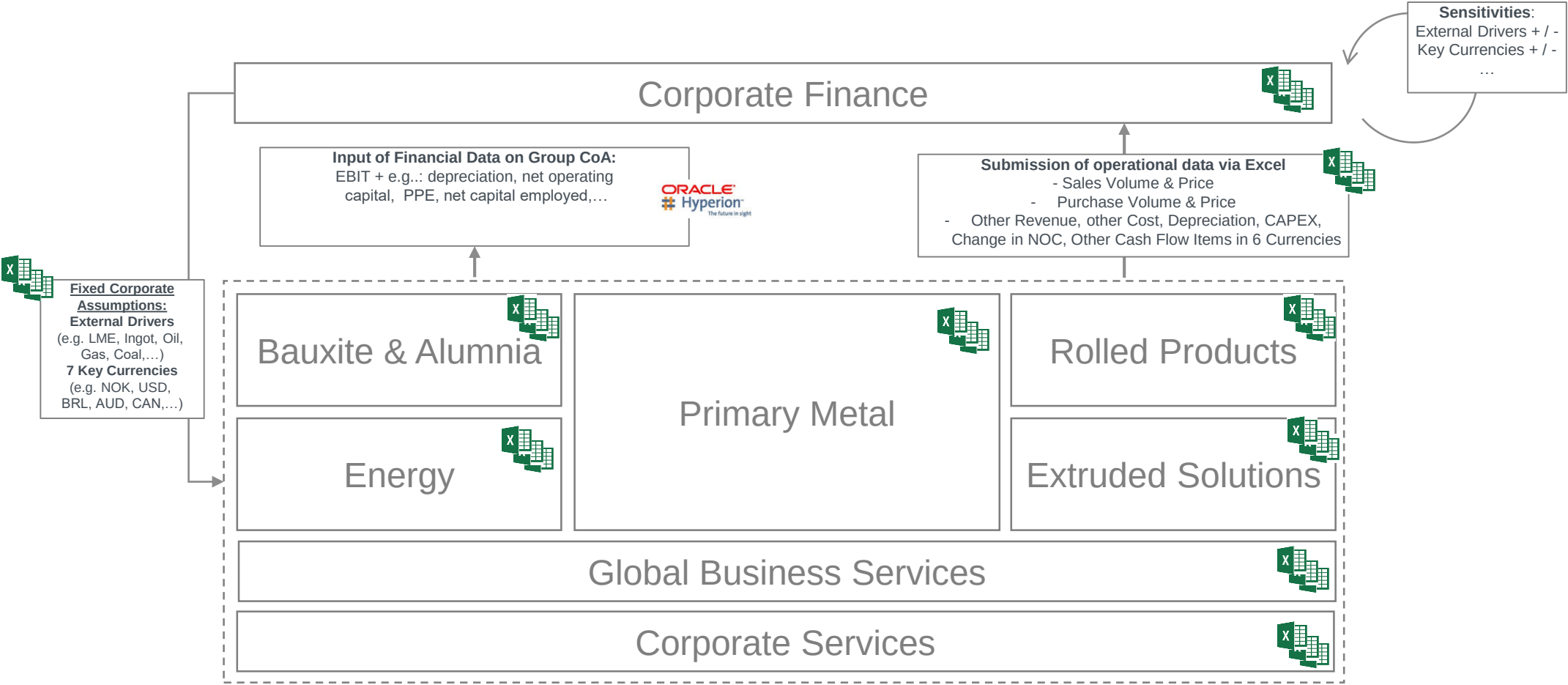
asi
American Standards Institute



EITI
Extractive Industries Transparency Initiative

TCFD | TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

Business Planning at Hydro



Why a planning tool and why SAP Analytics Cloud?

Decision for a planning tool vs Excel



Reduce manual work, automate and enable plan/actual reporting.



Lay the foundation for advanced planning functionalities



Standardize processes and reduce redundancy

Decision for SAC



No legacy tools



Fit with SAP Analytics strategy



Successful Proof of Concept

Why?
What?
Demo.

Completed SAC Projects



Global Business Services

300+ Cost Center / 18 Accounts
Upload and mapping from 4 Source Systems
(virtual for SAP HANA systems)
History back to 2018

Calculation of Forecast
Currency Conversion



History
Actual 17 – May 19
Business Plan 19



Entry Plan
Business Plan 2020
/ Forecast 2019



Bridging
e.g. BP19 vs BP20

Projects

18 Main Projects + Internal Projects
65 Employees / Consultants

Calculation of internal and external revenue
Upload of Cost in first phase

Plan vs Actual Reporting



Project Plan
Project
Employee

X



Financial Rates
Categories
Internal / External
Mark Up

=



EBIT
Calculated Revenue
& Upload of Cost

Lessons Learned

Business Value



-
- ✓ Consistency, low granularity and fast recalculation
 - ✓ One common repository and no local groupings
 - ✓ History and automatic upload from source systems
 - ✓ Integration to SAP ERP but flexibility needed to adjust master data

Implementation



-
- ✓ Very good, light and modern user interface
 - ✓ It was great to start smaller projects
 - ✓ Functionality has often bigger limitations
 - ✓ Hybrid approach might be (still) better for more complex requirements

Why?
What?
Demo.

Input Template for Forecast '19 and Business Plan '20

Upload of historical data and entry of plan data

Files / 1. GBS_Input_Template_FC19_BP2020 (DEMO)

File Tools Data Display

GBS Unit (5) (All) GBS_CostCenter (All)

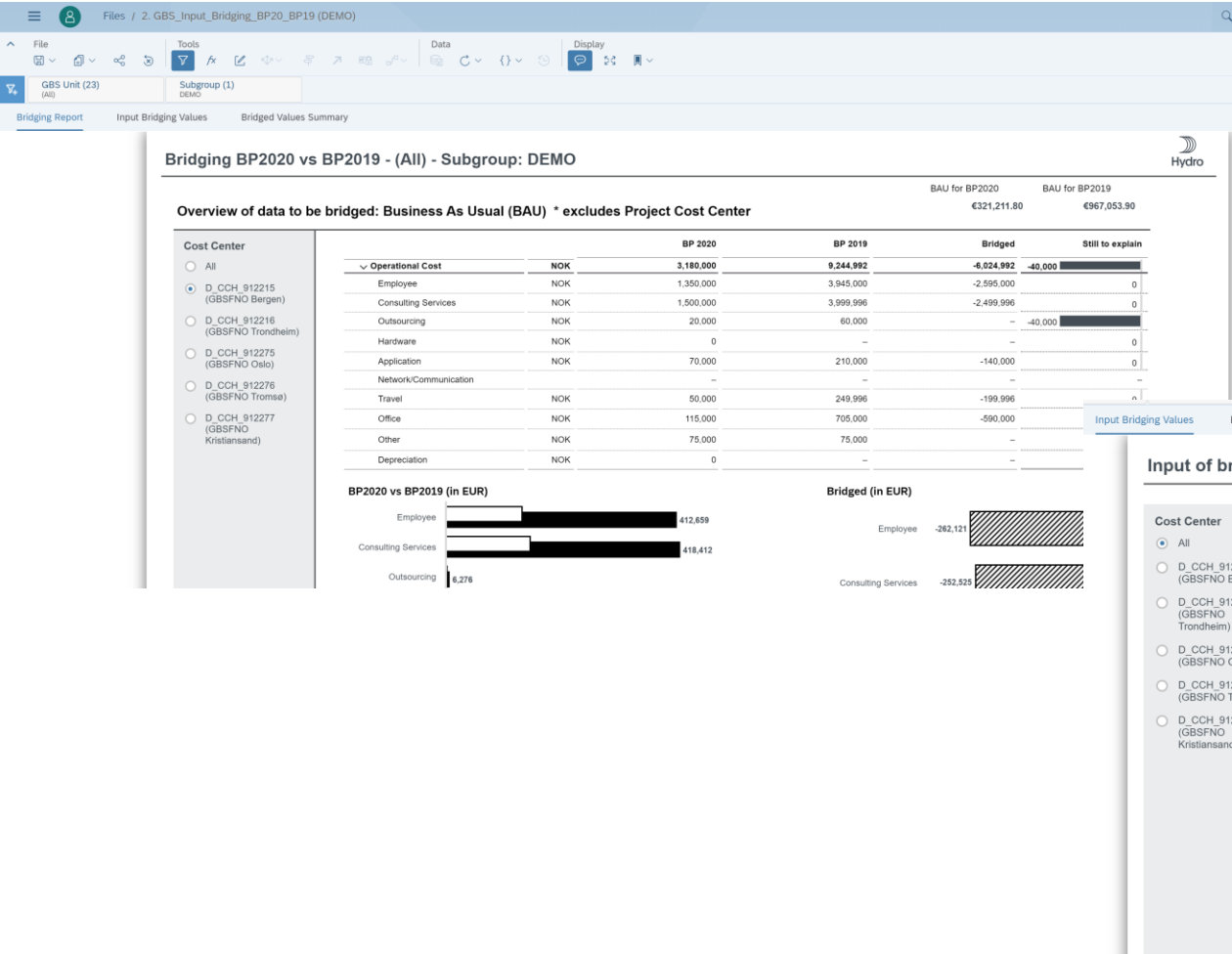
Report by GBS Unit EBIT - Overview EBIT - BP2020 EBIT - FC 19 V2 Stat.Acc. - Overview Stat.Acc. - BP2020 Stat.Acc. - FC 19 V2 FTE - Report FTE - BP2020 FTE - FC 19

Input for Forecast 2019 (V2) and Business Plan 2020 - EBIT

			Internal Revenue / Cost Transfer	External Revenue	Employee	Consulting Services	Outsourcing	Hardware	Application	Netwo
GBSFNO Bergen	2017	NOK	-9,746,531	—	3,226,973	4,975,308	17,210	—	128,201	
	2018	NOK	-9,207,591	—	3,377,313	4,575,753	65,500	—	56,800	
	BP 2019	NOK	-9,445,008	—	3,945,000	3,999,996	60,000	—	210,000	
	Actuals 2019 YTP 05	NOK	-3,256,503	—	1,641,956	1,174,917	25,445	—	50,207	
	FC2019v1 (calc)	NOK	-7,815,606	—	3,940,693	2,819,801	61,069	—	120,498	
	FC2019v2 (input)	NOK	-7,830,000	—	3,500,000	3,400,000	40,000	0	110,000	
	BP 2020	NOK	-3,180,000	—	1,350,000	1,500,000	20,000	0	70,000	
GBSFNO Trondheim	2017	NOK	-6,881,800	—	2,888,925	2,397,499	10,450	—	91,933	
	2018	NOK	-7,624,175	—	3,142,706	3,643,899	36,475	—	84,347	
	BP 2019	NOK	-7,985,002	—	3,200,004	3,699,996	39,996	—	150,000	
	Actuals 2019 YTP 05	NOK	-1,655,350	—	1,172,416	293,226	4,100	—	24,336	

Input of bridging between BP '19 and BP '20

Collection of explanation of differences between versions



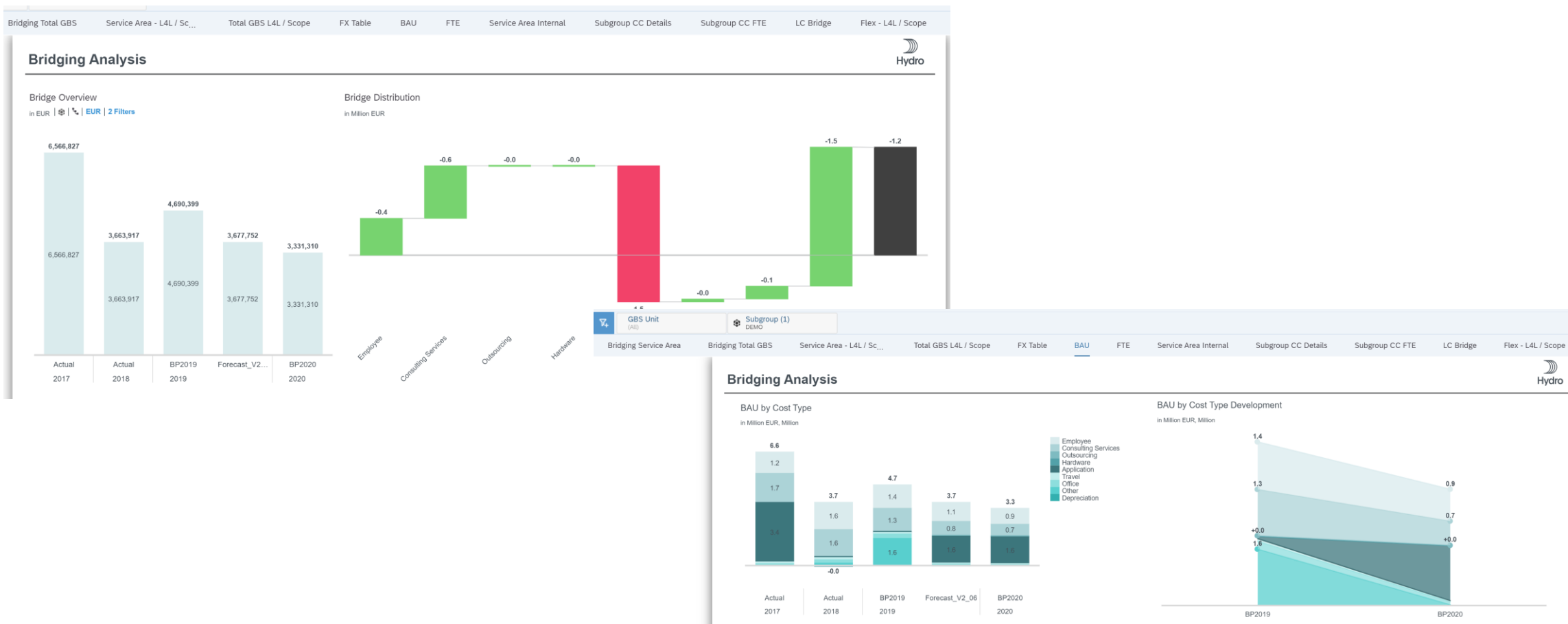
Input of bridging details - BP2020 vs BP2019 - (All) - Subgroup: DEMO

Cost Center		in NOK							
		Employee	Consulting Services	Outsourcing	Hardware	Application	Network/Com...	Travel	Office
Still to explain		0	0	-40,000	0	0	-	0	0
GBSFNO Bergen	L4L-Cost Decreases Reclassif...	-	-	-	-	-	-	-	-
	L4L-Cost Decreases Reclassif...	-	-	-	-	-	-	-	-
	L4L-Cost Decreases Reclassif...	-	-	-	-	-	-	-	-
	L4L-Cost Decreases (1)	-	-	-	-	-	-	-	-
	L4L-Cost Decreases (2)	-	-	-	-	-	-	-	-
	L4L-Cost Decreases (3)	-	-	-	-	-	-	-	-
	L4L-Cost Decreases (4)	-	-	-	-	-	-	-	-
	L4L-Cost Decreases (5)	-	-	-	-	-	-	-	-
	L4L-Cost Increase (1)	-	-	-	-	-	-	-	-
	L4L-Cost Increase (2)	-	-	-	-	-	-	-	-
	L4L-Cost Increase (3)	-	-	-	-	-	-	-	-
	L4L-Cost Increase (4)	-	-	-	-	-	-	-	-
	L4L-Cost Increase (5)	-	-	-	-	-	-	-	-
	L4L-One Time Expense (1)	-	-	-	-	-	-	-	-
	L4L-One Time Expense (2)	-	-	-	-	-	-	-	-
	L4L-One Time Expense (3)	-	-	-	-	-	-	-	-
	L4L-One Time Expense (4)	-	-	-	-	-	-	-	-
	L4L-One Time Expense (5)	-	-	-	-	-	-	-	-
	L4L-Cost Increases Reclassif...	-	-	-	-	-	-	-	-
	L4L-Cost Increases Reclassif...	-	-	-	-	-	-	-	-
	L4L-Cost Increases Reclassif...	-	-	-	-	-	-	-	-
Scope-Decreases (1)		-2,595,000	-2,499,996	-	-	-140,000	-	-199,996	-590,000

Reporting of bridging between BP '19 and BP '20



Vizualisation of results





Hydro

We are aluminium

