XBRL EUROPE

27th XBRL EUROPE DIGITAL WEEK

ESEF

USE CASES

29th April 2021

The future of ESEF, a deep dive into the quality of 2020 ESEF Filings in Finland

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- Member of

  XBRL International, XBRL Europe, XBRL US

THE FINNISH LANDSCAPE

ESEF Rollout Status

Voluntary

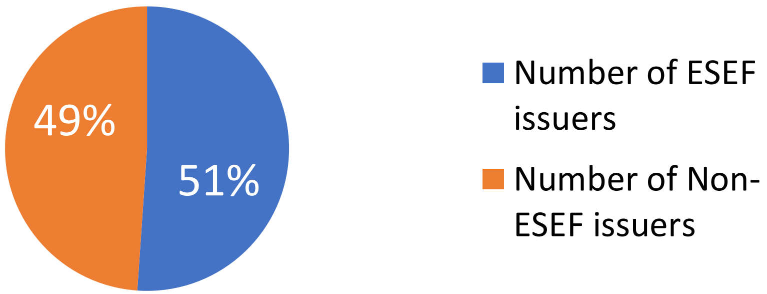
Number of listed companies in Finland

145*

Number of annual reports filed so far

137* (as on 21st April 2021)

2020 Annual Report Submitted
ESEF vs Non-ESEF Filings



Number of ESEF Filings: 70*

- ❑ 51% of companies who have filed so far have complied with ESEF — a high percentage considering that ESEF rollout is voluntary this year in Finland

Source:
** ESMA Report - ENFORCEMENT AND REGULATORY ACTIVITIES OF EUROPEAN ACCOUNTING ENFORCERS IN 2010*
***NASDAQ Central Storage Facility*

Finnish companies who have adopted for voluntary ESEF submission

S.No	Name of Company	S.No	Name of Company	S.No	Name of Company	S.No	Name of Company	S.No	Name of Company
1	Ahlstrom-Munksjö Oyj	17	Fingrid Oyj	33	Konecranes Oyj	49	Ovaro Kiinteistösijoitus Oyj	65	United Bankers Oyj
2	Altia Oyj	18	Finnvera Oyj	34	Kuntarahoitus O	50	Pihlajalinna Oyj	66	Uponor
3	Aspocomp Group	19	Fiskars	35	Lassila & Tikanoja	51	Rapala VMC	67	Valmet Corporation
4	Atria Oyj	20	Fortum	36	Marimekko	52	Revenio Group Oyj	68	Verkkokauppa.co
5	BasWare	21	F-Secure Oyj	37	Martela Oyj	53	Robit Oyj	69	Wärtsilä
6	CapMan	22	Glaston Oyj Abp	38	Metsä Board Oyj	54	Sampo	70	YIT
7	Caverion Oyj	23	Harvia Oyj	39	Metso Outotec Oyj	55	Sanoma Oyj		
8	Componenta	24	HKScan Oyj	40	Neles Oyj	56	SATO Oyj		
9	Digia Oyj	25	Huhtamäki Oyj	41	Nixu Oyj	57	Scanfil Oyj		
10	EAB Group Oyj	26	Ilkka-Yhtymä Oyj	42	Nokia	58	Sievi Capital Oyj		
11	Elisa	27	Kamux Oyj	43	Nokian Renkaat	59	SRV Yhtiöt Oyj		
12	Enento Group Oy	28	Kemira Oyj	44	Nordea Bank Oyj	60	SSH Communications Security Oyj		
13	eQ Oyj	29	Keskisuomalaine	45	Optomed Oyj	61	Stora Enso Oyj		
14	Etteplan Oyj	30	Kesko Oyj	46	Oriola Oyj	62	Suominen Oyj		
15	Evli Pankki Oyj	31	Kesla Oyj	47	Orion	63	Taaleri Oyj		
16	Exel Composites	32	KONE Oyj	48	Outokumpu Oyj	64	TietoEVRY Oyj		

THE STUDY

OBJECTIVES OF THE STUDY

Analyze quality of ESEF filings based on validations

- Pass/Fail analysis
- Market cap analysis
- Industry-wise analysis
- Types of quality issues

Analyze extensions

- How aligned are companies with the ESEF taxonomy
- Industry-wise analysis of extensions

THE PROCESS WE FOLLOWED

1

- **Identified** companies who have complied with ESEF from the OAM website

2

- **Downloaded** ESEF iXBRL zip files from the OAM website

3

- **Validated** ESEF zip file using the XII Certified validator IRIS Bushchat

4

- **Analyzed** validation results (errors and warnings) and reviewed extensions

A snapshot of our ESEF Filings analysis

Companies
70

Industries
14

Concepts Tagged
7509

Extension concepts
710

QUALITY OF ESEF FILINGS BASED ON VALIDATIONS

PASS/FAIL ANALYSIS

PASS

NO ERRORS, NO WARNINGS

FAIL

ERRORS, WARNINGS PRESENT IN FILINGS

What are errors and warnings?

ERROR

- Needs to be corrected before filing
- Rejects a filing

Eg: ESEF iXBRL zip package not as per ESEF reporting manual

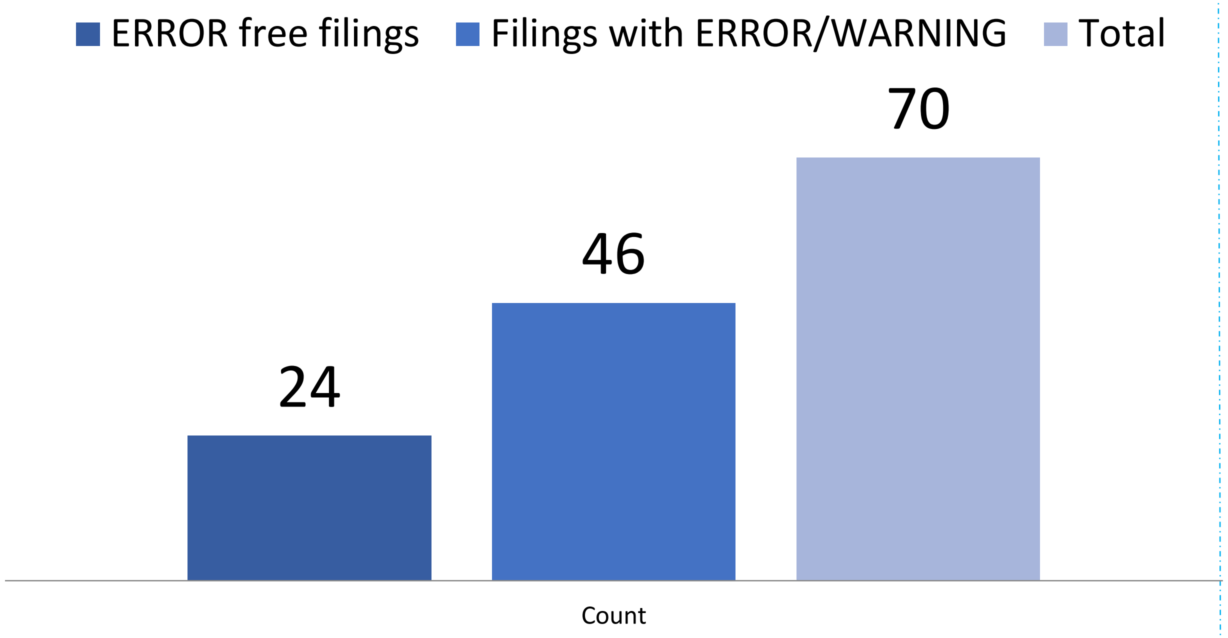
WARNING

- Less severe than errors
- May still be considered valid and will get through to the regulator.

Eg: Rounding off

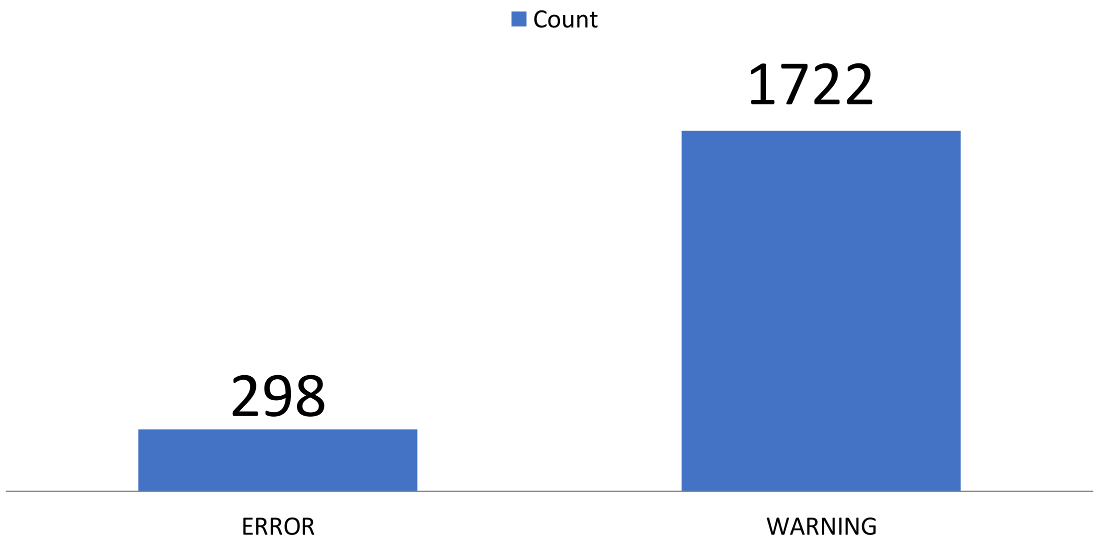
PASS/FAIL ANALYSIS

Quality of ESEF Filings



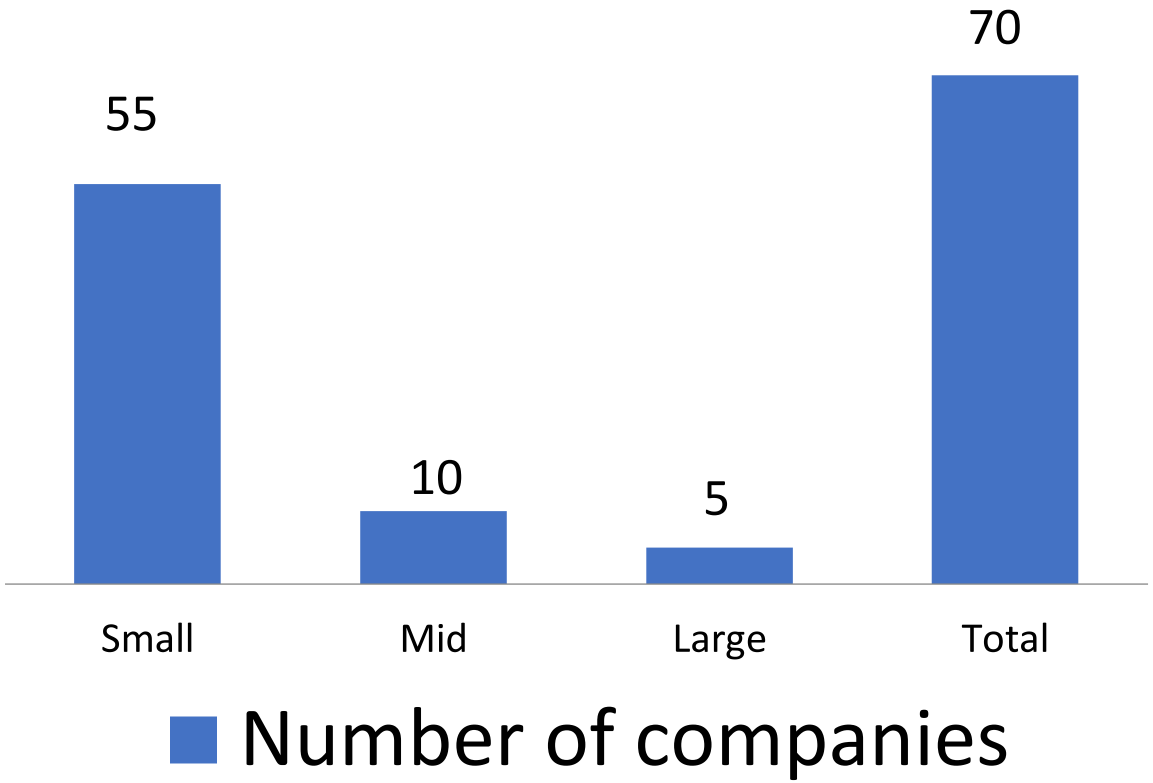
- Filings of only 34% of companies scored a 100% pass — with no errors and warnings.

Summary of ESEF Filings with Errors/Warnings



- Incidence of errors was 15%, while that of warnings was 85%
- Very less errors compared to warnings

SUMMARY BASED ON MARKET CAP

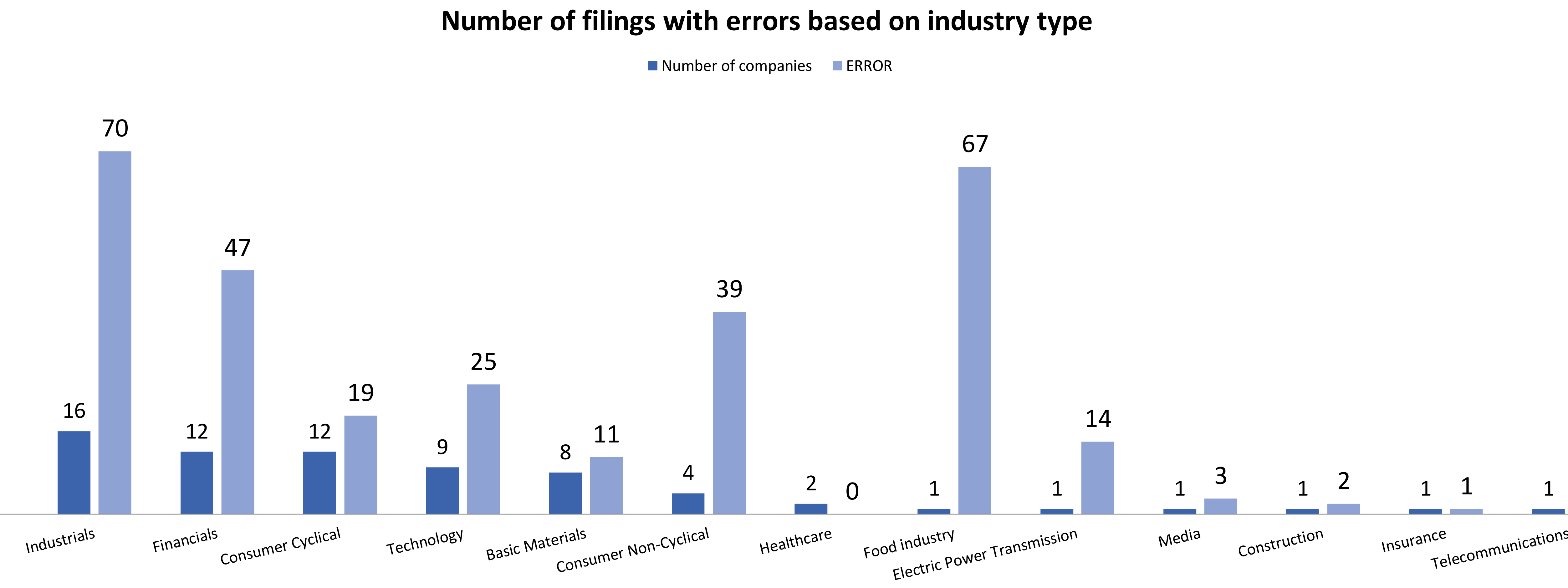


MARKET CAP CATEGORIES

- Small cap - under $2 billion
- Mid cap - between $2 and $10 billion
- Large cap - over $10 billion

Small caps accounted for the majority of ESEF filings (78%), followed by mid caps (14%). The least number of filings were by large caps (7%).

INDUSTRY-WISE QUALITY SUMMARY



FINDINGS

A snapshot of our ESEF Filings analysis

#	Category	Description of Category	Category	Companies	Count	%
1	Extension Taxonomy Guideline	Inline XBRL document should follow guidelines as defined in the ESEF reporting manual for preparing company taxonomy.	Error	25	156	52%
2	Duplicate Facts	Two different values cannot be tagged to a single XBRL tag	Error	15	42	14%
3	Technical Errors	XBRL syntax errors should not be present while preparing the Inline XBRL document	Error	19	35	12%
4	Label Guideline	Duplicate labels should not be defined in presentation linkbase of extension taxonomy.	Error	14	31	10%
5	Calculation linkbase not prepared	Calculation linkbase should be prepared when there is a summation relationship.	Error	3	16	5%
6	Taxonomy Package	The taxonomy package.xml file and its content must conform to the XBRL Taxonomy Packages 1.0 specification	Error	6	9	3%
7	Anchoring Guideline	Anchoring relationship needs to be defined in company taxonomy.	Error	8	9	3%
	Total Error count				**298**	

COMPANY RANKING

ESEF 2020 Quality Report

S.No	Name of Company	Duplicate facts	Totaling errors	Calculation link base not prepared	Extension Taxonomy Guideline	Anchoring Guideline	Label Guideline	Taxonomy package	Technical error	Total Error count	Total concepts	Quality Score
1	Fortum	0	0	0	0	0	0	0	0	0	135	100%
2	Scanfil Oyj	0	0	0	0	0	0	0	0	0	108	100%
3	Marimekko	0	0	0	0	0	0	0	0	0	81	100%
4	EAB Group Oyj	0	0	0	0	0	0	0	0	0	85	100%
5	Pihlajalinna Oyj	0	0	0	0	0	0	0	0	0	99	100%
6	Elisa	0	0	0	0	0	0	0	0	0	113	100%
7	Etteplan Oyj	0	0	0	0	0	0	0	0	0	93	100%
8	Optomed Oyj	0	0	0	0	0	0	0	0	0	91	100%
9	Enento Group Oy	0	0	0	0	0	0	0	0	0	95	100%
10	Konecranes Oyj	0	0	0	0	0	0	0	0	0	120	100%
11	Verkkokauppa.co	0	0	0	0	0	0	0	0	0	91	100%
12	Rapala VMC	0	0	0	0	0	0	0	0	0	128	100%
13	TietoEVRY Oyj	0	0	0	0	0	0	0	0	0	122	100%
14	Orion	0	0	0	0	0	0	0	0	0	106	100%
15	Robit Oyj	0	0	0	0	0	0	0	0	0	102	100%
16	Ahlstrom-Munksjö Oyj	0	0	0	0	0	0	0	0	0	116	100%

ESEF 2020 Quality Report

S.No	Name of Company	Duplicate facts	Totaling errors	Calculation link base not prepared	Extension Taxonomy Guideline	Anchoring Guideline	Label Guideline	Taxonomy package	Technical error	Total Error count	Total concepts	Quality Score
17	Metsä Board Oyj	0	0	0	0	0	0	0	0	0	115	100%
18	Valmet Corporation	0	0	0	0	0	0	0	0	0	124	100%
19	BasWare	0	0	0	0	0	0	0	0	0	102	100%
20	YIT	0	0	0	0	0	0	0	0	0	132	100%
21	Fiskars	0	0	0	0	0	0	0	0	0	105	100%
22	Stora Enso Oyj	0	0	0	0	0	0	0	0	0	147	100%
23	SATO Oyj	0	0	0	0	0	0	0	0	0	114	100%
24	F-Secure Oyj	0	0	0	0	0	0	0	0	0	91	100%
25	Sampo	0	0	0	1	0	0	0	0	1	111	100%
26	Glaston Oyj Abp	0	0	0	1	0	0	0	0	1	119	100%
27	Harvia Oyj	1	0	0	0	0	0	0	0	1	100	100%
28	SSH Communications Security Oyj	1	0	0	0	0	0	0	0	1	78	100%
29	Martela Oyj	0	0	0	1	0	0	0	0	1	92	100%
30	Sanoma Oyj	0	0	0	0	1	0	0	0	1	138	100%
31	Kuntarahoitus O	0	0	0	1	0	0	0	0	1	95	100%
32	eQ Oyj	0	0	0	0	0	0	1	0	1	85	100%

ESEF 2020 Quality Report

S.No	Name of Company	Duplicate facts	Totaling errors	Calculation link base not prepared	Extension Taxonomy Guideline	Anchoring Guideline	Label Guideline	Taxonomy package	Technical error	Total Error count	Total concepts	Quality Score
33	Lassila & Tikanoja	0	0	0	0	1	0	0	0	1	107	100%
34	Kemira Oyj	0	0	0	0	0	0	1	0	1	118	100%
35	Kesla Oyj	0	0	0	0	0	0	1	0	1	84	100%
36	Ilkka-Yhtymä Oyj	0	0	0	2	0	0	0	0	2	103	99%
37	HKScan Oyj	2	0	0	0	0	0	0	0	2	105	99%
38	SRV Yhtiöt Oyj	0	0	0	1	1	0	0	0	2	132	99%
39	Huhtamäki Oyj	0	0	0	0	0	0	2	0	2	117	99%
40	Exel Composites	0	0	0	1	0	0	0	1	2	88	99%
41	United Bankers Oyj	0	0	0	0	0	1	0	1	2	86	99%
42	Altia Oyj	0	0	0	0	0	1	0	1	2	107	99%
43	Keskisuomalaine..	2	0	0	1	0	0	0	0	3	103	99%
44	Kamux Oyj	3	0	0	0	0	0	0	0	3	94	99%
45	Ovaro Kiinteistösijoitus Oyj	3	0	0	0	0	0	0	0	3	87	99%
46	Uponor	0	0	0	1	0	1	0	1	3	122	99%
47	Revenio Group Oyj	0	0	0	1	0	1	0	1	3	110	99%
48	Evli Pankki Oyj	0	0	0	1	0	2	0	0	3	101	99%

ESEF 2020 Quality Report

S.No	Name of Company	Duplicate facts	Totaling errors	Calculation link base not prepared	Extension Taxonomy Guideline	Anchoring Guideline	Label Guideline	Taxonomy package	Technical error	Total Error count	Total concepts	Quality Score
49	Finnvera Oyj	2	0	0	2	0	0	0	0	4	114	99%
50	Componenta	4	0	0	0	0	0	0	0	4	94	99%
51	Nokia	0	0	1	0	0	0	0	3	4	137	99%
52	Suominen Oyj	0	0	0	4	0	0	0	0	4	93	99%
53	Nordea Bank Oyj	0	0	0	0	2	2	0	0	4	180	99%
54	CapMan	0	0	0	1	1	1	0	1	4	90	99%
55	Nixu Oyj	0	0	0	1	0	2	0	1	4	93	99%
56	Sievi Capital Oyj	4	0	0	1	0	0	0	0	5	74	98%
57	Wärtsilä	4	0	0	0	0	0	0	1	5	133	98%
58	Caverion Oyj	0	0	0	4	0	0	0	3	7	135	98%
59	Digia Oyj	4	0	0	0	0	0	3	0	7	92	98%
60	KONE Oyj	0	0	0	5	0	0	0	3	8	111	97%
61	Aspocomp Group	0	0	0	0	1	1	0	7	9	79	97%
62	Nokian Renkaat	2	0	0	0	1	4	1	1	9	113	97%
63	Oriola Oyj	0	0	2	1	1	5	0	1	10	106	97%
64	Fingrid Oyj	6	0	0	3	0	0	0	5	14	111	95%

ESEF 2020 Quality Report

S.No	Name of Company	Duplicate facts	Totaling errors	Calculation link base not prepared	Extension Taxonomy Guideline	Anchoring Guideline	Label Guideline	Taxonomy package	Technical error	Total Error count	Total concepts	Quality Score
65	Metso Outotec Oyj	0	0	0	16	0	0	0	1	17	142	94%
66	Taaleri Oyj	0	0	13	1	0	2	0	1	17	110	94%
67	Kesko Oyj	2	0	0	22	0	0	0	1	25	148	92%
68	Neles Oyj	2	0	0	18	0	6	0	1	27	166	91%
69	Atria Oyj	0	0	0	65	0	2	0	0	67	91	78%
	TOTAL	**42**	**0**	**16**	**156**	**9**	**31**	**9**	**35**	**298**	**7509**	

EXTENSIONS

Extensions by industry type

Industry Name	Number of companies	Number of concepts tagged	Number of extensions	Extensions (%)	Average concepts tagged	Average extensions concepts tagged
Insurance	1	111	26	23%	111	26
Utilities	1	135	27	20%	135	27
Financials	12	1217	194	16%	101	16
Construction	1	132	19	14%	132	19
Industrials	16	1850	162	9%	116	10
Basic Materials	8	800	75	9%	100	9
Consumer Non-Cyclical	1	466	42	9%	466	42
Healthcare	2	190	15	8%	95	8
Consumer Cyclical	12	1295	85	7%	108	7
Technology	9	895	52	6%	99	6
Telecommunications	1	113	5	4%	113	5
Media	1	103	4	4%	103	4
Electric Power Transmission, Distribution & Marketing Industry	4	111	3	3%	28	1
Food industry	1	91	1	1%	91	1
Total	**70**	**7509**	**710**		**1798**	**181**

Key Findings

- Average extension rate is 9%
- Insurance industry has the highest % of extensions

FUTURE OF ESEF AND USE CASES

Facilitates Analytics and Comparisons for Regulators, Investors and Analysts

CleanData β

Home | Analytics | Peer Group | Ashok Kumar | en US

Peer Group > Home > Normalized

Financial Statements | Key Indicators

Annual | Millions | Select Period | en-US | Normalized | Export | Compare

Income Statement | Balance Sheet | Cash Flows

Disclosures : Select disclosure or search for a disclosure in the list

Company Name	Kone Oyj			
Normalized Fiscal Period	FY 2020		FY 2019	
Period Duration (End Date)	12M (2020-12-31)		12M (2020-01-01)	
Income Statement	Annual (€)	%	Annual (€)	%
− Income Statement				
• Revenues	9938.50	100	9981.80	100
• Gross Profit	9938.50	100	9981.80	100
• Operating Expenses	0.00	0	0.00	0
• Operating Income (Loss)	9938.50	100	9981.80	100
+ Nonoperating Income (Expense)	11.40	0	25.10	0
• Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Extraordinary Items, Noncontrolling Interest	9949.90	100	10006.90	100
• Income (Loss) from Continuing Operations before Income Taxes, Extraordinary Items, Noncontrolling Interest	9949.90	100	10006.90	100
• Income Tax Expense (Benefit)	276.90	3	278.90	3
• Income (Loss) from Continuing Operations, Including Portion Attributable to Noncontrolling Interest	9673.00	97	9728.00	97

Peer Benchmarking and much more….

CleanData β

Home | Analytics | Peer Group | Ashok Kumar | en US

Peer Group > Home > Normalized > Home > Normalized

Financial Statements | Key Indicators

Annual | Millions | Select Period | en-US | Normalized | Export | Compare

Income Statement | Balance Sheet | Cash Flows

Disclosures : Select disclosure or search for a disclosure in the list

Company Name	Kone Oyj				Wartsila Oyj Abp			
Normalized Fiscal Period	FY 2020		FY 2019		FY 2020		FY 2019	
Period Duration (End Date)	12M (2020-12-31)		12M (2020-01-01)		12M (2020-12-31)		12M (2019-12-31)	
Income Statement	Annual (€)	%	Annual (€)	%	Annual (€)	%	Annual (€)	%
− Income Statement								
• Revenues	9938.50	100	9981.80	100	4604.00	100	5170.00	100
• Gross Profit	9938.50	100	9981.80	100	4604.00	100	5170.00	100
+ Operating Expenses	0.00	0	0.00	0	1562.00	34	1771.00	34
• Operating Income (Loss)	9938.50	100	9981.80	100	3042.00	66	3399.00	66
+ Nonoperating Income (Expense)	11.40	0	25.10	0	-43.00	(1)	-47.00	(1)
• Income (Loss) from Continuing Operations before Equity Method Investments, Income Taxes, Extraordinary Items, Noncont...	9949.90	100	10006.90	100	2999.00	65	3352.00	65
• Income (Loss) from Equity Method Investments					-3.00	0	-9.00	0
• Income (Loss) from Continuing Operations before Income Taxes, Extraordinary Items, Noncontrolling Interest	9949.90	100	10006.90	100	3002.00	65	3343.00	65
• Income Tax Expense (Benefit)	276.90	3	278.90	3	58.00	1	97.00	2

Questions

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29th April 2021

THANK YOU