

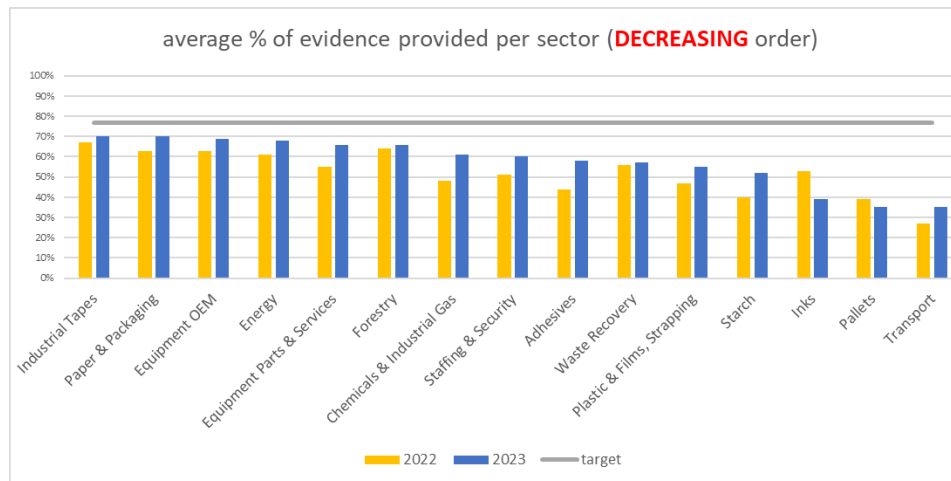
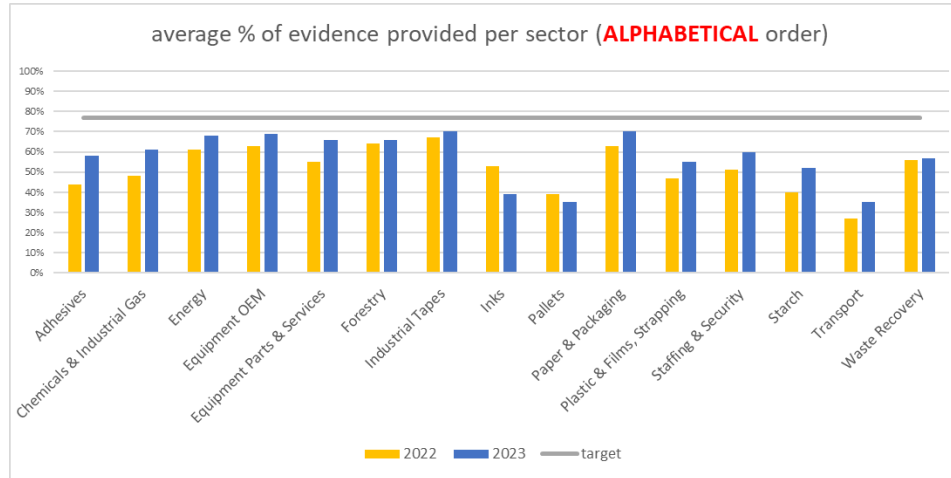
Executive Summary:

Performance Data – Focus on Measurement

- EColibri uses a unique set of metrics. We are of the opinion that each metrics matters, whatever the organisation, for the **People**, the **Prosperity**, the **Planet** and the **Pathway**. The metrics are linked to the Implementation and the SDG-strategy.
- EColibri uses in this year’s review a unique set of 22 metrics. As per the 1st of January 2024 three metrics have been added for more transparency (see the list on the right).
- This year, we have seen most sectors (except Inks and Pallets) **improve their delivery of metrics** (page 2).
- EColibri has set a **target** of 77%, which proves to be achievable by some leaders. No sector, as a whole, has yet achieved this target.
- Four sectors, as a whole, deliver almost 70% of the metrics selected by EColibri. They are Industrial Tapes, Paper & Packaging, Equipment OEM, Energy.
- We recommend the reading of the Key insights - Measurement in EColibri’s website at <https://ecolibri.eco/download-centre/>

Criteria	unit (recommended)
total number of employees	number
total production volume	kT
training	hours / employee
safety (Severity Rate) SR	number
safety (Frequency Rate) FR	number
safety (Lost Time Accidents) LTA	number
safety (Total Recordable Incident Rate) TRIR	number
gender equality	% women / employees
community commitment NEW	million Eur
energy (total annual consumption)	TJ
energy (% renewable energy)	%
energy intensity	TJ / kT production
water (total annual consumption)	1000 M3
water intensity	1000 M3 / kT production
water (COD discharge)	mgO2/L
air emissions (total annual GHG scope 1 + 2)	kT CO2eq
air emissions (total annual GHG scope 3) NEW	kT CO2eq
air emissions intensity (scope 1 + 2)	kT / kT production
waste (total annual broken down by type)	kT
waste (total annual hazardous waste)	kT
waste (% to landfill)	%
waste intensity	Tons / kT production
raw material (total annual mass flow used)	kT
raw material (% sustainable material)	%
raw material intensity NEW	kT / kT production

The following section describes the percentage of metrics provided across sectors in 2022 and 2023.



[See Key Insights per sector for details.](#)

Strengths

Average metrics rating across sector is 58%
16 companies score 50% or above. 8 are above target

Weaknesses

Spread of metrics rating across sector is 59 percent-points
5 companies do not publicly disclose their metrics
1 additional company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant improvement over last year, both in the degree of fit to ECoLibri's metrics and in the number of companies now reporting.

The spread (KPI M1) is between 36% and 95%.

The sector has a MODERATE performance measurement.

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	58%	44%
KPI M2	22	4

3M	73%
Avery Dennison Adhesives	73%
Bolton	82%
Bostik Arkema	95%
Cordial	0%
Dow Chemicals Adhesives	73%
DuPont	73%
EOC	76%
Eukalin	0%
FH Grünig	0%
Follmann	77%
H.B. Fuller (Forbo)	36%
Henkel Adhesives	82%
Huntsman	82%
Intercol	0%
Jowat	71%
Lanxess	77%
Paprocki	0%
Quilosa Selena	50%
Sika	91%
Sun Chemical Sapici	67%
Synthomer	91%

Key insights - Measurement

Strengths

Average metrics rating across sector is 61%
20 companies score 50% or above. 14 are above target

Weaknesses

Spread of metrics rating across sector is 86 percent-points
5 companies publicly disclose very limited data
5 additional companies publicly disclose less than half the metrics

Measurement

The companies in this sector show a significant improvement over last year, both in the degree of fit to ECoLibri's metrics and in the number of companies now reporting.

The spread (KPI M1) is between 5% and 91%.

The sector has a STRONG performance measurement.

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	61%	48%
KPI M2	30	19



Chemicals & Industrial Gas

Air Liquide	68%
Air Products and chemicals	77%
Anticimex	32%
BASF	73%
Bim Kemi	86%
Blackburn	10%
Brenntag	41%
Buckman	81%
Calcinor	5%
Dow Chemicals	73%
DSM	91%
Ecolab (ex Nalco)	86%
Ercros	68%
Imerys	82%
Kao Chemicals	86%
Kemira (ex Eka Chemicals)	86%
KLK (KLK Oleo, Kolb Distribution)	77%
Kuraray	27%
Kurita (ex BK Giulini)	77%
Linde Gas (Aga Gas)	77%
LyondellBasell	73%
Mitsubishi Gas Chemical	82%
Nouryon (ex Akzo)	86%
Omya	10%
Rentokil	45%
Sabic	55%
Safic-Alcan	14%
SHV Energy	45%
Solenis (Ashland Hercules)	77%
Wibax	36%

➤ Strengths

Average metrics rating across sector is 68%
 Spread of metrics rating across sector is 41 percent-points
 17 companies score 50% or above. 9 are above target
 17 companies publicly disclose their metrics

➤ Weaknesses

Measurement

The companies in this sector show a significant improvement over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting remained stable.

The spread (KPI M1) is between 50% and 91%.

The sector has a STRONG performance measurement.

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	68%	61%
KPI M2	17	17



E.ON	77%
EDF Group (Dalkia)	86%
Edison Energia	77%
Endesa Enel	62%
ENGIE (ex GDF Suez)	73%
EWE Energie	55%
Iberdrola	82%
Orsted (ex Dong)	77%
PG&E	57%
PPC DEI	62%
Repsol	91%
RWE - Essent	59%
SSE	82%
Statkraft	77%
Sunpine	50%
Uniper	55%
Vattenfall	82%

➤ Strengths

Average metrics rating across sector is 69%
13 companies score 50% or above. 9 are above target

➤ Weaknesses

Spread of metrics rating across sector is 86 percent-points
1 company publicly discloses very limited data
1 additional company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant improvement over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting significantly increased. The spread (KPI M1) is between 5% and 91%.

The sector has a **STRONG performance measurement.**

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	69%	63%
KPI M2	15	11



Andritz Group	82%
BHS Corrugated	5%
Bobst	55%
Crown Holdings (Signode) Equipment	77%
Jungheinrich	73%
Kion Group	82%
Kone Group	86%
LONGi (Solar)	86%
Mitsubishi Heavy Industries (MHI)	52%
Mitsubishi Logisnext (ML)	43%
Mosca Machines	77%
Toyota Material Handling Europe	73%
Valmet Machines	82%
Vestas (Wind)	77%
Voith	91%

Key insights - Measurement

Equipment Parts & Services

Strengths

Average metrics rating across sector is 66%
 10 companies score 50% or above. 5 are above target
 12 companies publicly disclose their metrics

Weaknesses

Spread of metrics rating across sector is 59 percent-points
 2 companies publicly disclose less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased almost doubled. The spread (KPI M1) is between 32% and 91%.

The sector has a STRONG performance measurement.

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	66%	55%
KPI M2	12	7



ABB	91%
Ammega Group	32%
ITSME	36%
Kadant	64%
Mosca Parts	77%
Rexel	73%
RS Group	86%
Rubix (Brammer)	64%
SHV Eriks	55%
Siemens	82%
SKF	82%
Solar	55%

➤ Strengths

Average metrics rating across sector is 66%
 Spread of metrics rating across sector is 45 percent-points
 6 companies score 50% or above. 3 are above target

➤ Weaknesses

1 company does not publicly disclose its metrics (in English)

Measurement

The companies in this sector show a significant improvement over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting marginally increased.

The spread (KPI M1) is between 50% and 95%.

The sector has a STRONG performance measurement.

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	66%	64%
KPI M2	7	6



Billerud Forestry	95%
Eldorado	73%
Holmen Skog	68%
Norra Skogsägarna	0%
SCA Forest	95%
Suzano	82%
Sveaskog	50%

Strengths

Average metrics rating across sector is 70%
 Spread of metrics rating across sector is 50 percent-points
 8 companies score 50% or above. 3 are above target

Weaknesses

1 company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant improvement over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting marginally increased.

The spread (KPI M1) is between 36% and 86%.

The sector has a STRONG performance measurement.

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	70%	67%
KPI M2	9	8

Avery Dennison Tapes	73%
H.B. Fuller (ACS)	36%
Henkel Tapes	82%
Intertape Polymer Tapes	86%
ITW (Stokvis)	64%
Lintec	64%
Nitto	76%
Saint-Gobain	82%
Tesa	64%



- **Strengths**
- **Weaknesses**

Average metrics rating across sector is 39%
 Spread of metrics rating across sector is 86 percent-points
 5 companies score 50% or above. 2 are above target
 2 companies do not publicly disclose their metrics
 4 additional companies publicly disclose very limited data
 1 additional company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant decrease over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting significantly increased. The spread (KPI M1) is between 5% and 91%. **The sector has a MODERATE performance measurement.**

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	39%	53%
KPI M2	12	5

Altana (Actega Terra)	91%
Chespa Inks	5%
Doneck	29%
Flexoclean	0%
Flint Group	62%
Huber Group	9%
Kao (Chimigraf)	86%
Pulse PPL	0%
Sakata INX	41%
Sherwin-Williams	68%
Siegwerk	9%
Sun Chemical Flexo	67%



- **Strengths**
- **Weaknesses**

Average metrics rating across sector is 35%
 Spread of metrics rating across sector is 77 percent-points
 3 companies score 50% or above. 1 is above target
 1 company does not publicly disclose its metrics
 3 additional companies publicly disclose very limited data
 1 additional company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant decrease over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased by two. The spread (KPI M1) is between 9% and 86%. **The sector has a MODERATE performance measurement.**

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	35%	39%
KPI M2	8	6

Archimbaud	10%
Brambles (Chep)	86%
DB Schenker Pallets	64%
EPG (Euro Pool System, La Palette Rouge)	32%
Faber Group	23%
PGS	9%
Schoeller Allibert	59%
Scott Timber	0%



Key insights - Measurement

Paper & Packaging

Strengths

Average metrics rating across sector is 70%
21 companies score 50% or above. 19 are above target

Weaknesses

Spread of metrics rating across sector is 90 percent-points
3 companies do not publicly disclose their metrics
2 additional companies publicly disclose very limited data
1 additional company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased by four. The spread (KPI M1) is between 10% and 100%. **The sector has a STRONG performance measurement.**

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	70%	63%
KPI M2	27	23



Billerud	95%
DS Smith	91%
Hamburger	0%
Heinzel Group	82%
International Paper	73%
Klabin	91%
Leipa	86%
Mayr-Melnhof (FS Karton)	91%
Metsa Board	86%
Model Papier	77%
Mondi Group	91%
Mondialcarta	0%
Norske Skog	82%
Paper Excellence	14%
ProGroup Paper	41%
Reno De Medici	95%
Rondo Ganahl	10%
SAICA	81%
Sappi	86%
SCA Container Board	95%
Smurfit Kappa	100%
Sonoco (Skjern Paper)	68%
Stora Enso	91%
UIPSA Petit	0%
VPK	86%
Walki	91%
WestRock (ex RockTenn)	77%

Key insights - Measurement

Plastic & Films, Strapping

➤ Strengths

Average metrics rating across sector is 55%
9 companies score 50% or above. 8 are above target

➤ Weaknesses

Spread of metrics rating across sector is 90 percent-points
5 companies publicly disclose very limited data
2 additional companies publicly disclose less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased marginally. The spread (KPI M1) is between 5% and 95%.
The sector has a MODERATE performance measurement.

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	55%	47%
KPI M2	16	15



Adapa (ex Schur Flexibles)	82%
AFP Trioworld	41%
Amcor Flexibles	77%
Armando Alvarez Group (Aspla)	82%
Berry Global (BPI)	95%
Crown Holdings (Signode) Plastic	77%
Cyklop	5%
Ergis	9%
Gualapack	68%
Intertape Polymer Plastic	86%
KullaPlast	9%
Mondi Group (Styria)	91%
Mosca Strapping	77%
Sealed Air	45%
Teufelberger Group (Marflex Maillis)	9%
Winpak	18%

Key insights - Measurement

Staffing & Security

➤ Strengths

Average metrics rating across sector is 60%
 Spread of metrics rating across sector is 46 percent-points
 8 companies score 50% or above. 4 are above target

➤ Weaknesses

3 company publicly discloses less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting remained stable. The spread (KPI M1) is between 36% and 82%. **The sector has a STRONG performance measurement.**

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	60%	51%
KPI M2	11	11



Adecco	36%
ADT	82%
Allied Universal	50%
Eulen Group	77%
Eulen Group (Staffing Flexiplan)	77%
Manpower	77%
Prosegur	73%
Randstad	64%
Recruit Holdings Start People	55%
Securitas	41%
SThree	41%

➤ Strengths

Average metrics rating across sector is 52%
 Spread of metrics rating across sector is 48 percent-points
 6 companies score 50% or above. 1 is above target

➤ Weaknesses

1 company publicly discloses very limited data
 3 additional company publicly disclose less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting decreased marginally. The spread (KPI M1) is between 29% and 77%. **The sector has a MODERATE performance measurement.**

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	52%	40%
KPI M2	10	11

ADM (ex Chamtor)	59%
Agrana	77%
Cargill	45%
Crespel & Deiters	36%
Ingredion	55%
Lyckeby (Solam)	33%
Roquette	68%
Sedamyl	29%
Tate & Lyle	59%
Tereos (Syril ex Amylum)	59%



- **Strengths**
- **Weaknesses**

Average metrics rating across sector is 35%
 Spread of metrics rating across sector is 77 percent-points
 7 companies score 50% or above. 1 is above target
 1 company does not publicly disclose its metrics
 8 additional companies publicly disclose very limited data
 3 additional companies publicly disclose less than half the metrics

Measurement

The companies in this sector show a significant increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased marginally. The spread (KPI M1) is between 5% and 82%.
The sector has a MODERATE performance measurement.

KPI M1: average fit to ECoLibri's metrics
 KPI M2: n° of reporting companies

	2023	2022
KPI M1	35%	27%
KPI M2	19	18

Axell Logistics (Timmermans)	0%
C H Robinson	64%
CAT (Compagnie Affrètement et Transport)	14%
DB Schenker Transport	64%
DPDHL	64%
DSV Panalpina	73%
EccoFreight	27%
EV Cargo	36%
Fedex	68%
Green Cargo (ScandFibre)	9%
Gregory Distribution	9%
Hansa Meyer	10%
NTG (Nordic Transport Group)	45%
Seifert Logistik	9%
Uhlhorn	5%
Verbrugge Group	5%
VOS Logistics	36%
Wagenborg	55%
XPO	82%



Key insights - Measurement

Waste Recovery

➤ Strengths

Average metrics rating across sector is 57%
9 companies score 50% or above. 3 are above target

➤ Weaknesses

Spread of metrics rating across sector is 72 percent-points
1 company publicly discloses very limited data
3 additional companies publicly disclose less than half the metrics

Measurement

The companies in this sector show a marginal increase over last year in the degree of fit to ECoLibri's metrics. The number of companies reporting increased significantly. The spread (KPI M1) is between 14% and 86%.
The sector has a MODERATE performance measurement.

KPI M1: average fit to ECoLibri's metrics
KPI M2: n° of reporting companies

	2023	2022
KPI M1	57%	56%
KPI M2	13	9

Biffa Waste	82%
Bnext (ex Beelen Groep)	32%
Covanta (Ogden)	59%
FCC Environment	68%
Norsk Gjenvinning	41%
Novelis	14%
Paprec	50%
Ragn Sells	32%
Renewi Van Gansewinkel	64%
SITA (Suez Environment)	55%
Stena Recycling	86%
Urbaser	86%
Veolia	68%