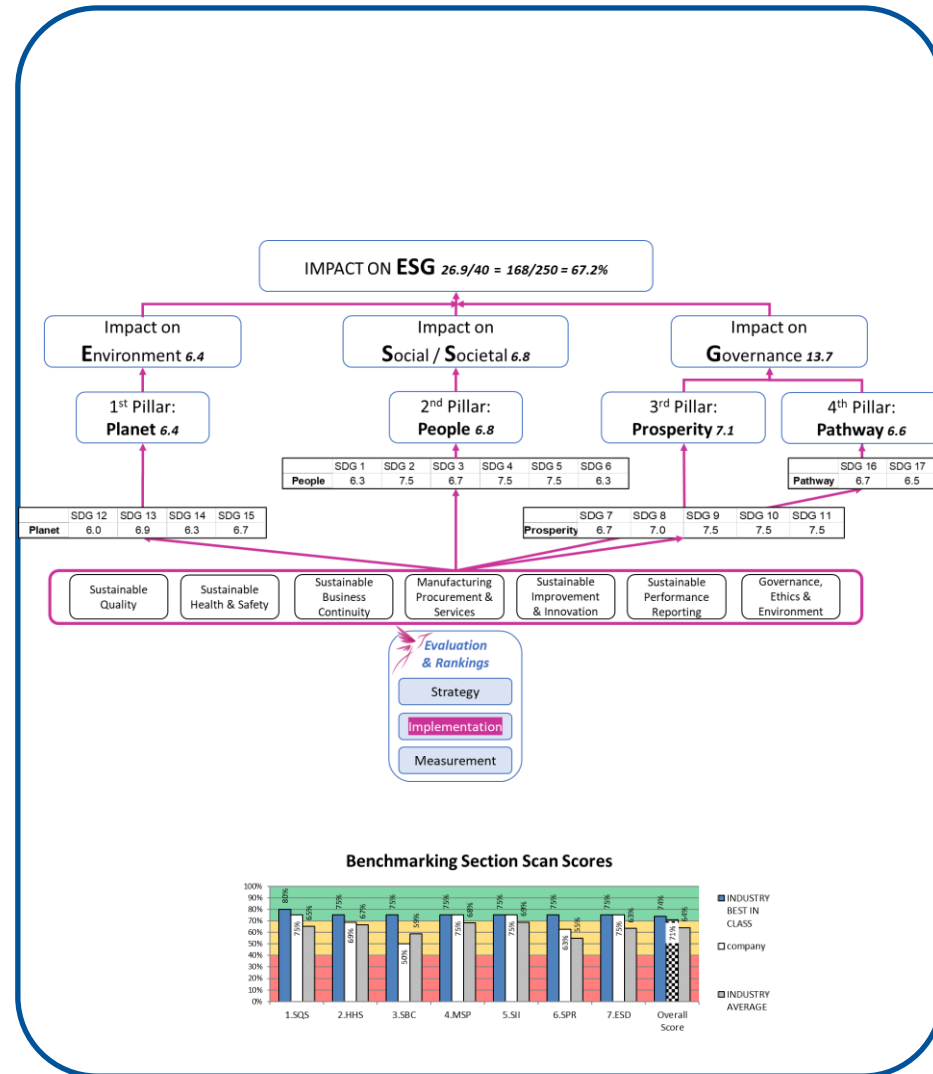


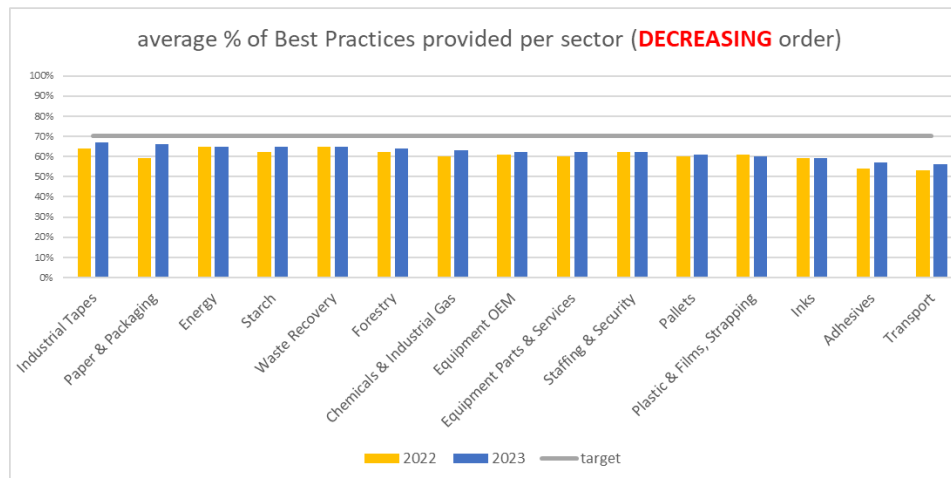
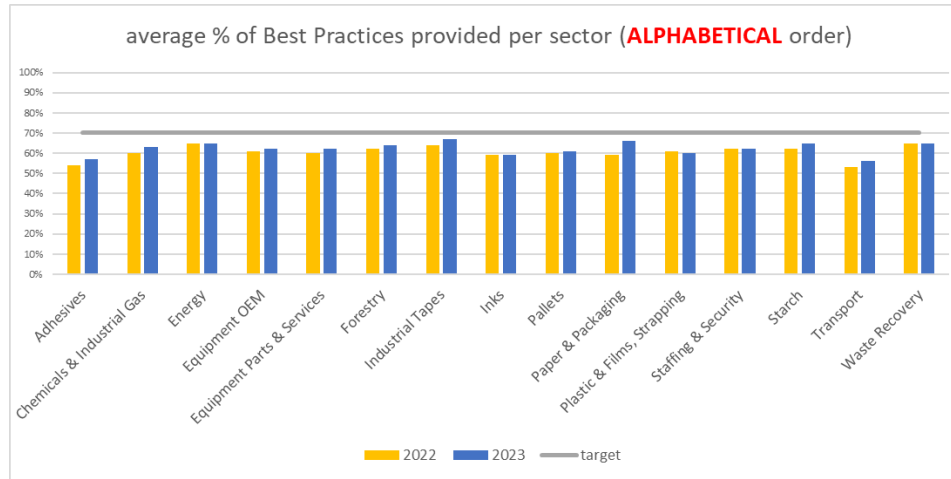
Executive Summary

Observations and Evidences – Focus on Implementation

- ECoLibri collects a unique set of observations through its questionnaire. We are of the opinion that each of the seven sections matters whatever the organisation, for the People, the Prosperity, the Planet and the Pathway. The observations are linked to the Measurement and the SDG-strategy.
- ECoLibri uses a unique set of 25 questions spread over **seven sections** (see the list on the right).
- This year, we have seen most sectors (except Plastic Films & Strapping) **improve** their questionnaire's score based on ECoLibri's evaluation of the achievements and evidences (page 2).
- The following sectors attract the greatest number of **recommendations for improvement** in their reports and websites: Transport, Adhesives and Inks.
- ECoLibri has set a **target** of 70%, which proves to be achievable by some leaders. No sector, as a whole, has yet achieved this target.
- Two sectors, as a whole, achieve almost 70% in the evaluation of the information collected by ECoLibri . They are Industrial Tapes, Paper & Packaging.
- We recommend the reading of Key insights - Implementation in ECoLibri's website at <https://ecolibri.eco/download-centre/>



The following charts describe the average % of Best Practices across sectors in 2022 and 2023.



See Key Insights per sector for details.

Avery Dennison Adhesives	58%
Bostik Arkema	71%
Cordial	41%
EOC	68%
Eukalin	46%
FH Grünig	49%
Follmann	63%
H.B. Fuller (Forbo)	65%
Henkel Adhesives	74%
Intercol	46%
Jowat	55%
Paprocki	54%
Quilosa Selena	45%
Sun Chemical Sapici	60%

Implementation

The companies in this sector show marginal improvement over last year, both in average scores of audits and in the number of companies reflecting Best Practices. The spread (KPI BP1) is between 41% and 74%.

The sector has **MODERATE** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	57%	54%
KPI BP2	14	11

➤ Strengths

Average metrics rating across sector is 57%
Spread of metrics rating across sector is 33 percent-points
9 companies score 50% or above. 2 are above target

➤ Weaknesses

5 companies publicly disclose very limited information and evidences

Key Insights – Implementation

Air Liquide	69%
Air Products and chemicals	70%
Anticimex	44%
BASF	68%
Bim Kemi	70%
Blackburn	41%
Brenntag	60%
Buckman	62%
Calcinor	33%
DSM	71%
Ecolab (ex Nalco)	72%
Ercros	65%
Imerys	68%
Kao Chemicals	68%
Kemira (ex Eka Chemicals)	62%
KLK (KLK Oleo, Kolb Distribution)	67%
Kuraray	66%
Kurita (ex BK Giulini)	66%
Linde Gas (Aga Gas)	64%
Mitsubishi Gas Chemical	70%
Nouryon (ex Akzo)	63%
Omya	58%
Rentokil	67%
Safic-Alcan	50%
SHV Energy	63%
Solenis (Ashland Hercules)	71%
Wibax	60%

Chemicals & Industrial Gas

Implementation

The companies in this sector show a significant improvement over last year in average scores of audits. The increase of companies in scope is mainly due to the addition of 5 “industrial gas” companies including the collection of their own Best Practices.

The spread (KPI BP1) is between 33% and 72%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	63%	60%
KPI BP2	27	20



➤ Strengths

Average metrics rating across sector is 63%
Spread of metrics rating across sector is 39 percent-points
24 companies score 50% or above. 6 are above target

➤ Weaknesses

3 companies publicly disclose very limited information and evidences

E.ON	69%
EDF Group (Dalkia)	68%
Edison Energia	70%
Endesa Enel	66%
ENGIE (ex GDF Suez)	68%
EWE Energie	63%
Iberdrola	70%
Orsted (ex Dong)	69%
PG&E	57%
PPC DEI	61%
Repsol	64%
RWE - Essent	69%
SSE	63%
Statkraft	63%
Sunpine	54%
Uniper	65%
Vattenfall	70%

Implementation

The companies in this sector show the same level over last year in average scores of audits. The number of companies in scope decreased marginally.

The spread (KPI BP1) is between 57% and 70%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	65%	65%
KPI BP2	17	18



➤ Strengths

- Average metrics rating across sector is 65%
- Spread of metrics rating across sector is 13 percent-points
- All companies score 50% or above. 3 are above target

➤ Weaknesses

Andritz Group	59%
BHS Corrugated	25%
Bobst	59%
Crown Holdings (Signode) Equipment	65%
Jungheinrich	65%
Kion Group	69%
Kone Group	71%
LONGi (Solar)	62%
Mosca Machines	58%
Toyota Material Handling Europe	69%
Valmet Machines	69%
Vestas (Wind)	60%
Voith	72%

Implementation

The companies in this sector show marginal improvement over last year in average scores of audits. The number of companies in scope remained stable.

The spread (KPI BP1) is between 25% and 72%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	62%	61%
KPI BP2	13	13



➤ Strengths

Average metrics rating across sector is 62%
Spread of metrics rating across sector is 47 percent-points
12 companies score 50% or above. 2 are above target

➤ Weaknesses

1 company publicly discloses very limited information and evidences

ABB	67%
Ammega Group	55%
Kadant	51%
Mosca Parts	58%
Rexel	67%
RS Group	70%
Rubix (Brammer)	60%
SHV Eriks	59%
SKF	69%

Implementation

The companies in this sector show an increase over last year in average scores of audits. The number of companies in scope increased by one.

The spread (KPI BP1) is between 51% and 70%.

The sector has STRONG public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	62%	60%
KPI BP2	9	8



➤ Strengths

Average metrics rating across sector is 62%
Spread of metrics rating across sector is 19 percent-points
all companies score 50% or above. 1 is above target

➤ Weaknesses

Billerud Forestry	73%
Eldorado	58%
Holmen Skog	68%
Norra Skogsägarna	50%
SCA Forest	72%
Suzano	73%
Sveaskog	54%

Implementation

The companies in this sector show an improvement over last year in average scores of audits. The number of companies in scope remained stable.

The spread (KPI BP1) is between 50% and 70%.

The sector has STRONG public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	64%	62%
KPI BP2	7	7



➤ Strengths

Average metrics rating across sector is 64%
Spread of metrics rating across sector is 20 percent-points
all companies score 50% or above. 3 are above target

➤ Weaknesses

Avery Dennison Tapes	58%
H.B. Fuller (ACS)	65%
Henkel Tapes	74%
Intertape Polymer Tapes	65%
Lintec	62%
Nitto	69%
Saint-Gobain	73%
Tesa	72%

Implementation

The companies in this sector show a significant improvement over last year in average scores of audits. The number of companies in scope remained stable.

The spread (KPI BP1) is between 58% and 74%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	67%	64%
KPI BP2	8	8



➤ Strengths

Average metrics rating across sector is 67%
Spread of metrics rating across sector is 16 percent-points
8 companies score 50% or above. 3 are above target

➤ Weaknesses

Altana (Actega Terra)	66%
Chespa Inks	57%
Doneck	52%
Flexoclean	56%
Flint Group	59%
Huber Group	57%
Kao (Chimigraf)	68%
Pulse PPL	47%
Sakata INX	62%
Sherwin-Williams	66%
Siegwerk	54%
Sun Chemical Flexo	60%

Implementation

The companies in this sector show the same level over last year in average scores of audits. The number of companies in scope increased by two.

The spread (KPI BP1) is between 47% and 68%.

The sector has **MODERATE** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	59%	59%
KPI BP2	12	10

➤ Strengths

Average metrics rating across sector is 59%
Spread of metrics rating across sector is 21 percent-points
11 companies score 50% or above.

➤ Weaknesses

None of the companies achieves the target
1 company publicly discloses very limited information and evidences

Brambles (Chep)	68%
DB Schenker Pallets	65%
EPG (Euro Pool System, La Palette Rouge)	64%
Faber Group	45%
PGS	45%
Schoeller Allibert	59%
Scott Timber	69%

Implementation

The companies in this sector show marginal improvement over last year in average scores of audits. The number of companies in scope decreased by one.

The spread (KPI BP1) is between 45% and 69%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	61%	60%
KPI BP2	7	8



➤ Strengths

Average metrics rating across sector is 61%
Spread of metrics rating across sector is 24 percent-points
5 companies score 50% or above. .. are above target

➤ Weaknesses

None of the companies achieves the target
2 companies publicly disclose very limited information and evidences

Billerud	73%
DS Smith	73%
Eren Paper	36%
Hamburger	63%
Heinzel Group	66%
International Paper	67%
Klabin	68%
Leipa	65%
Mayr-Melnhof (FS Karton)	70%
Metsa Board	67%
Model Papier	61%
Mondi Group	73%
Mondialcarta	43%
ProGroup Paper	61%
Reno De Medici	71%
Rondo Ganahl	61%
SAICA	73%
Sappi	72%
SCA Container Board	72%
Smurfit Kappa	74%
Sonoco (Skjern Paper)	64%
Stora Enso	72%
UIPSA Petit	56%
VPK	71%
Walki	66%

Implementation

The companies in this sector show a significant improvement over last year in average scores of audits. The number of companies in scope decreased due a tighter selection. The spread (KPI BP1) is between 36% and 74%.

The sector has STRONG public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	66%	59%
KPI BP2	25	40



➤ Strengths

Average metrics rating across sector is 66%
Spread of metrics rating across sector is 38 percent-points
23 companies score 50% or above. 11 are above target

➤ Weaknesses

2 companies publicly disclose very limited information and evidences

Adapa (ex Schur Flexibles)	62%
AFP Trioworld	62%
Amcor Flexibles	71%
Armando Alvarez Group (Aspla)	61%
Berry Global (BPI)	70%
Crown Holdings (Signode) Plastic	65%
Cyklop	39%
Ergis	53%
Gualapack	68%
Intertape Polymer Plastic	65%
KullaPlast	53%
Mondi Group (Styria)	73%
Mosca Strapping	58%
Sealed Air	63%
Teufelberger Group (Marflex Maillis)	48%
Winpak	44%

Implementation

The companies in this sector show a marginal decrease over last year in average scores of audits. The number of companies in scope increased by one.

The spread (KPI BP1) is between 39% and 73%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	60%	61%
KPI BP2	16	15



> Strengths

Average metrics rating across sector is 60%
Spread of metrics rating across sector is 34 percent-points
13 companies score 50% or above. 3 are above target

> Weaknesses

3 companies publicly disclose very limited information and evidences

Adecco	62%
ADT	57%
Allied Universal	57%
Eulen Group	65%
Eulen Group (Staffing Flexiplan)	65%
Manpower	67%
Prosegur	70%
Randstad	59%
Recruit Holdings Start People	55%
Securitas	65%
SThree	58%

Implementation

The companies in this sector show the same level over last year in average scores of audits. The number of companies remained stable.

The spread (KPI BP1) is between 55% and 70%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	62%	62%
KPI BP2	11	11



➤ Strengths

- Average metrics rating across sector is 62%
- Spread of metrics rating across sector is 15 percent-points
- All companies score 50% or above. 1 is above target

➤ Weaknesses

ADM (ex Chamtor)	71%
Agrana	67%
Cargill	64%
Crespel & Deiters	55%
Ingredion	70%
Lyckeby (Solam)	63%
Roquette	67%
Sedamyl	61%
Tate & Lyle	65%
Tereos (Syréal ex Amylum)	67%

Implementation

The companies in this sector show an increase over last year in average scores of audits. The number of companies decreased due to a tighter selection.

The spread (KPI BP1) is between 55% and 71%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	65%	62%
KPI BP2	10	14



➤ Strengths

- Average metrics rating across sector is 65%
- Spread of metrics rating across sector is 16 percent-points
- All companies score 50% or above. 2 are above target

➤ Weaknesses

Axell Logistics (Timmermans)	51%
C H Robinson	54%
CAT (Compagnie Affrètement et Transport)	59%
DB Schenker Transport	65%
DPDHL	66%
DSV Panalpina	62%
EccoFreight	61%
EV Cargo	58%
Fedex	64%
Green Cargo (ScandFibre)	54%
Gregory Distribution	68%
Hansa Meyer	57%
NTG (Nordic Transport Group)	63%
Seifert Logistik	48%
Uhlhorn	45%
Verbrugge Group	26%
VOS Logistics	61%
Wagenborg	56%
XPO	52%

Implementation

The companies in this sector show an increase over last year in average scores of audits. The number of companies decreased due to a tighter selection.

The spread (KPI BP1) is between 26% and 68%.

The sector has **MODERATE** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	56%	53%
KPI BP2	19	22

➤ Strengths

Average metrics rating across sector is 56%
Spread of metrics rating across sector is 42 percent-points
16 companies score 50% or above.

➤ Weaknesses

None of the companies achieves the target
3 companies publicly disclose very limited information and evidences

Biffa Waste	71%
Bnext (ex Beelen Groep)	57%
Norsk Gjenvinning	63%
Paprec	59%
Ragn Sells	67%
Renewi Van Gansewinkel	70%
SITA (Suez Environment)	55%
Stena Recycling	68%
Urbaser	68%
Veolia	70%

Implementation

The companies in this sector show the same level over last year in average scores of audits. The number of companies increased marginally.

The spread (KPI BP1) is between 55% and 71%.

The sector has **STRONG** public disclosure of Best Practices.

KPI BP1: average scores of audits
KPI BP2: n° of companies in scope

	2023	2022
KPI BP1	65%	65%
KPI BP2	10	9



➤ Strengths

- Average metrics rating across sector is 65%
- Spread of metrics rating across sector is 16 percent-points
- All companies score 50% or above. 3 are above target

➤ Weaknesses