KPMG

# Trusted Sustainability Insights

## *ESG Dashboards Powered by Microsoft Azure, Power Apps and Power BI*


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# Content

# ESG reporting is often fragmented and performed manually

**Many organisations struggle with …**

- Efficient monitoring of progress on sustainability commitments
- Gaining data-driven insights on potential actions
- Measuring impact of ESG performance
- Consolidating data that is scattered throughout and beyond the organization
- Realising trust in ESG data and reporting

**… that's why KPMG has developed a solution to accelerate sustainability reporting via the Microsoft suite.**

# ROLES

*To ensure sustainability targets are realized, different roles can be identified:*

I want to ensure we make **progress on company wide ESG strategy and ambitions** for topics that matter

Bart
ESG Responsible

I want to know for my assigned ESG topics if we're on track and **how we could best improve results** to meet or even exceed expectations

Denise
ESG Topic Responsible

Sadly enough not all data is easily automatically integrated in the dashboard. On a recurring basis **I provide manual data input for required and assigned ESG metrics**

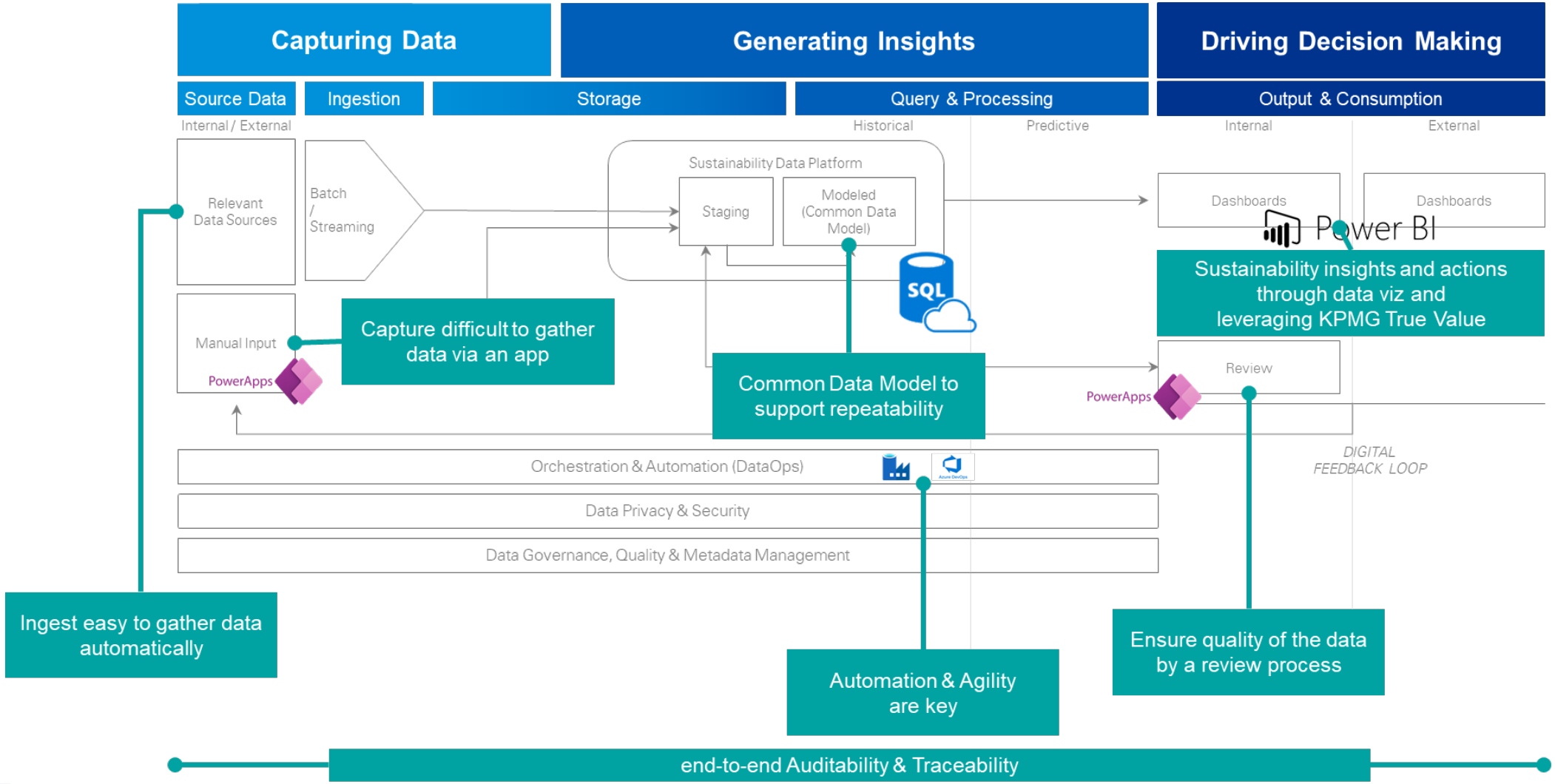
David
Manual Data Input

**To ensure data quality I review assigned manual input** supported by automated data quality checks. I also follow-up on timely data input.

Ann
Data Input Reviewer

# ARCHITECTURE

*The high-level overview of the architecture of Trusted Sustainability Insights illustrates the key components of the solution:*



KPMG

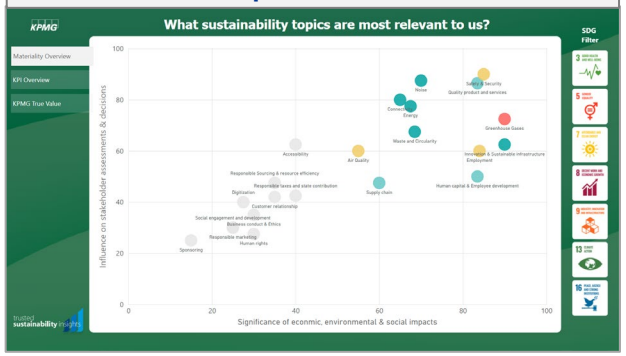
# Trusted Sustainability Insights

## Demo

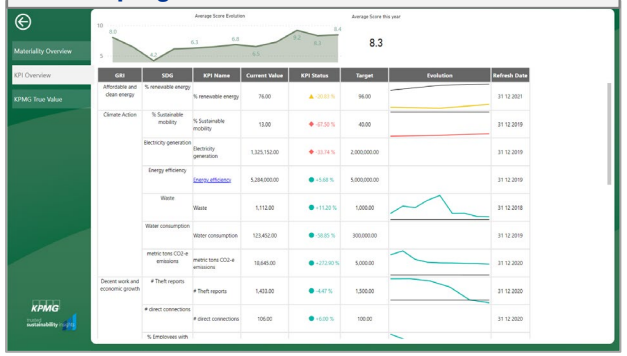
# TRUSTED SUSTAINABILITY INSIGHTS - Overview of building blocks of the solution

*The key building blocks of Trusted Sustainability Insights are summarized below:*

## Focus on material topics & maintain overview

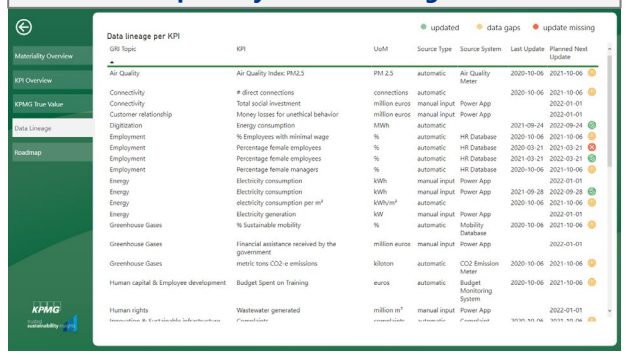



## Monitor progress on KPI's to realize ambitions



## Detailed dashboards: actionable insights per topic


## Enhance transparency via data lineage view

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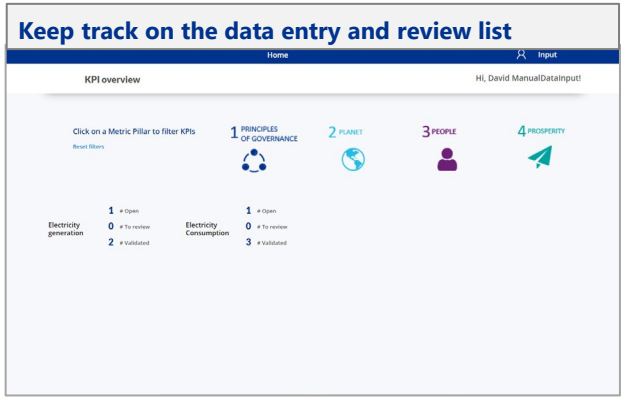
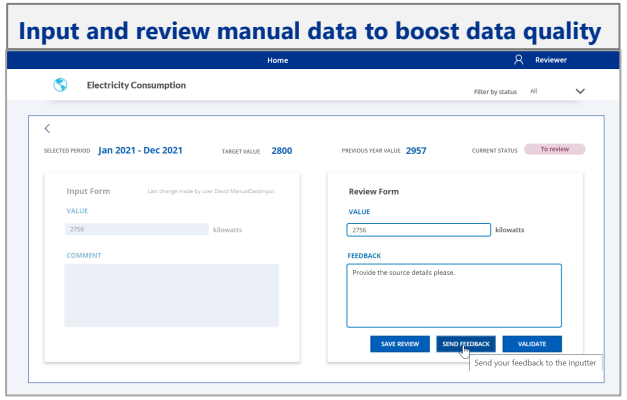
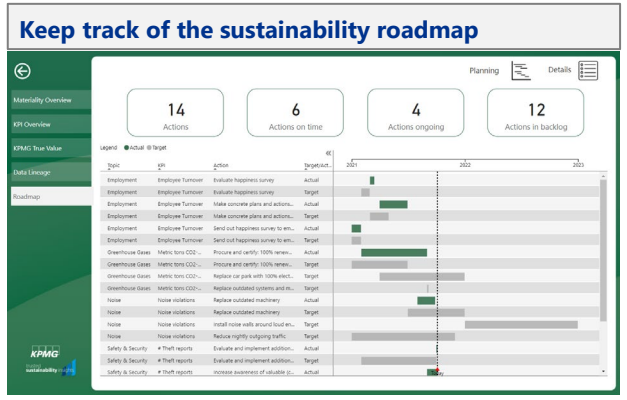


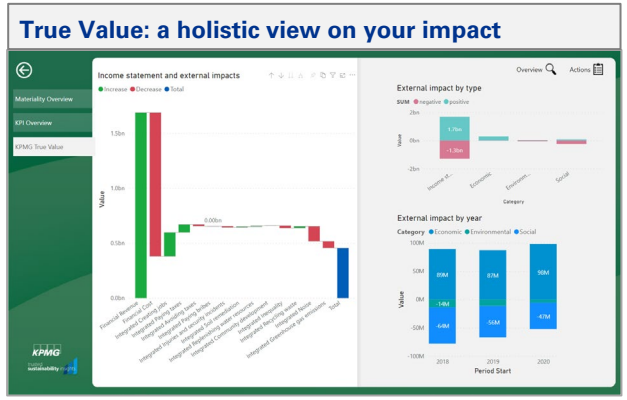

## Input and review manual data to boost data quality




## Keep track of the sustainability roadmap

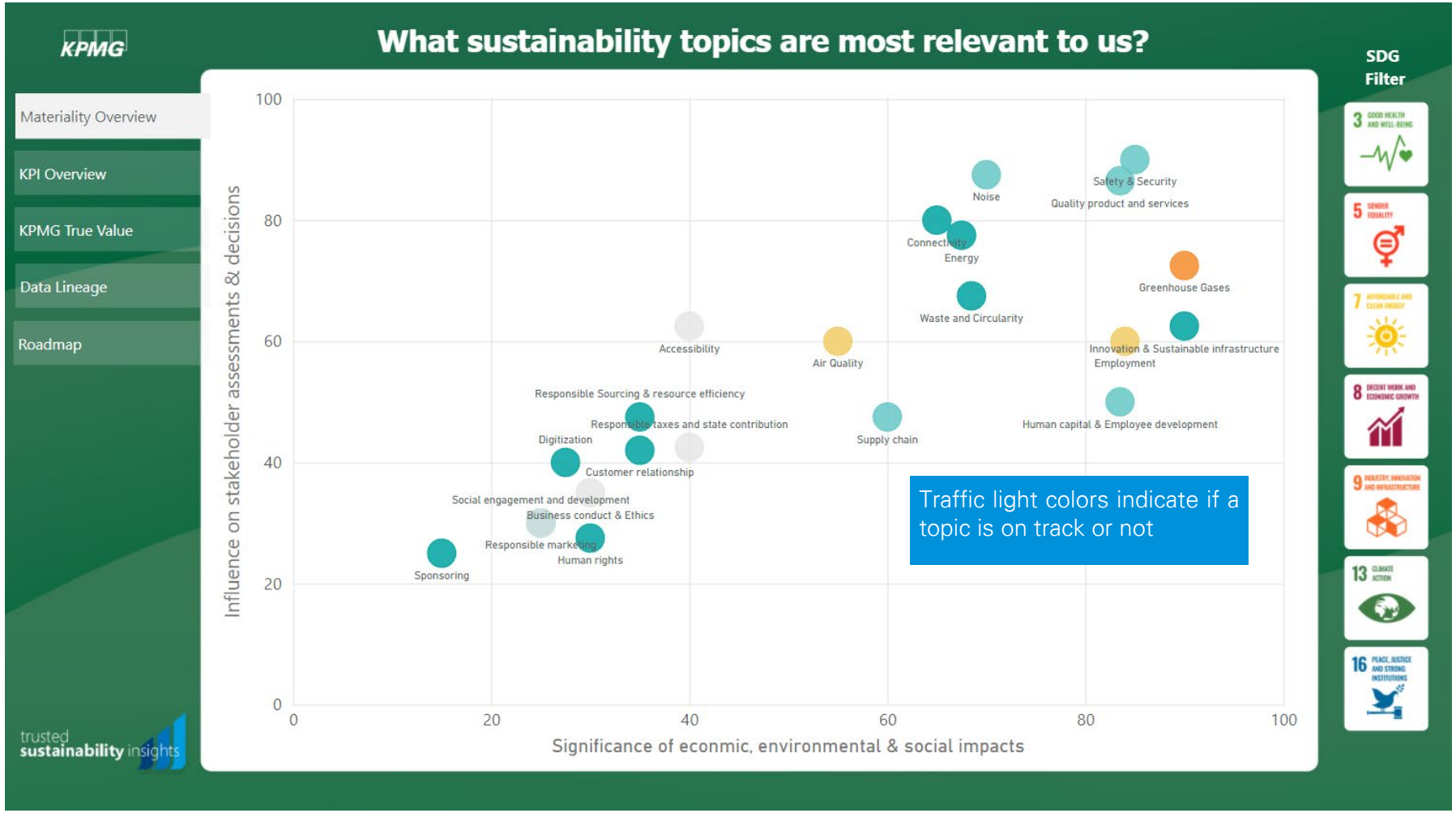



## True Value: a holistic view on your impact



# LANDING PAGE

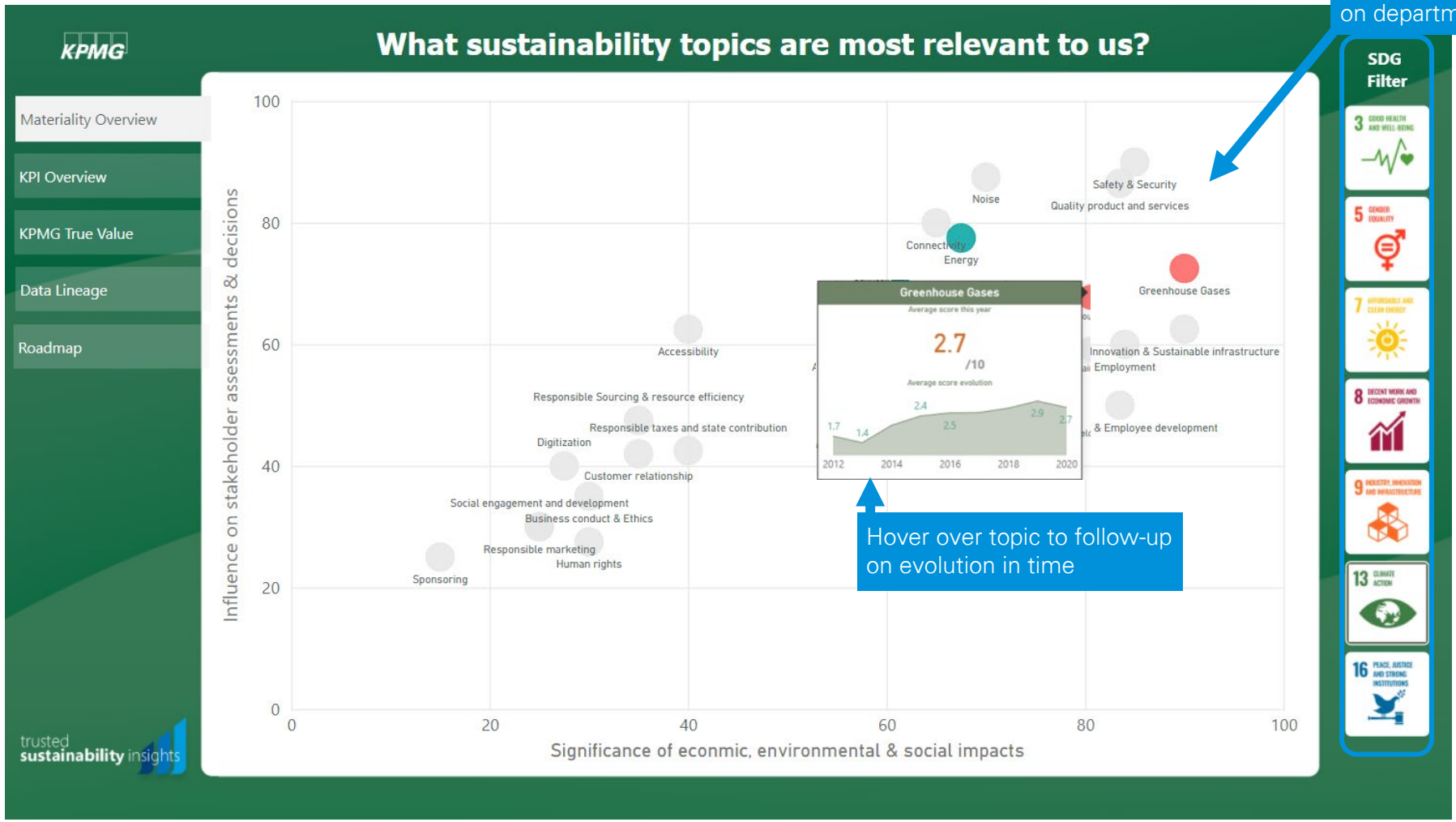
*The landing page gives an overview of performance for material topics (by visualizing actual vs target) and allows to focus efforts.*



# LANDING PAGE

*Filters (e.g. an SDG filter) allow to zoom in with a specific focus. Progress over time can be monitored via a transparent tooltip.*

Filter the materiality matrix to evaluate progress on specific domains. (e.g. filter on SDG's or on department/owner)



# KPI OVERVIEW

*The 'KPI overview' gives a clear view on the sustainability targets and current value.*


| GRI | SDG | KPI Name | Current Value | KPI Status | Target | Evolution | Refresh Date |
|---|---|---|---|---|---|---|---|
| Air Quality | Good health and well-being | Air Quality Index: PM2,5 | 55.00 | +83.33 % | | | 31 12 2020 |
| Connectivity | Decent work and economic growth | # direct connections | 106.00 | +6.00 % | 100.00 | | 31 12 2020 |
| | Industry, Innovation and infrastructure | Total social investment | 4.00 | +33.33 % | 3.00 | | 31 12 2019 |
| Customer relationship | Peace, Justice and Strong Institutions | Money losses for unethical behavior | 0.89 | -11.00 % | 1.00 | | 31 12 2019 |
| Digitization | Affordable and clean energy | Energy consumption | 2.00 | -20.00 % | 2.50 | | 31 12 2020 |
| Employment | Decent work and economic growth | % Employees with minimal wage | 3.00 | 0.00 % | 3.00 | | 31 12 2021 |
| | Gender equality | Percentage female employees | 37.00 | -26.00 % | 50.00 | | 31 12 2021 |
| | | Percentage female managers | 31.00 | -38.00 % | 50.00 | | 31 12 2020 |
| Energy | Climate Action | Electricity consumption | 3,050.00 | +1.67 % | 3,000.00 | | 31 12 2020 |

# DETAILED PAGES WITH ACTIONABLE INSIGHTS

*Detailed pages provide actionable insights by leveraging available data. These dashboards support decision making of the topic owner and are tailored to the specific context of the topic or the organization.*

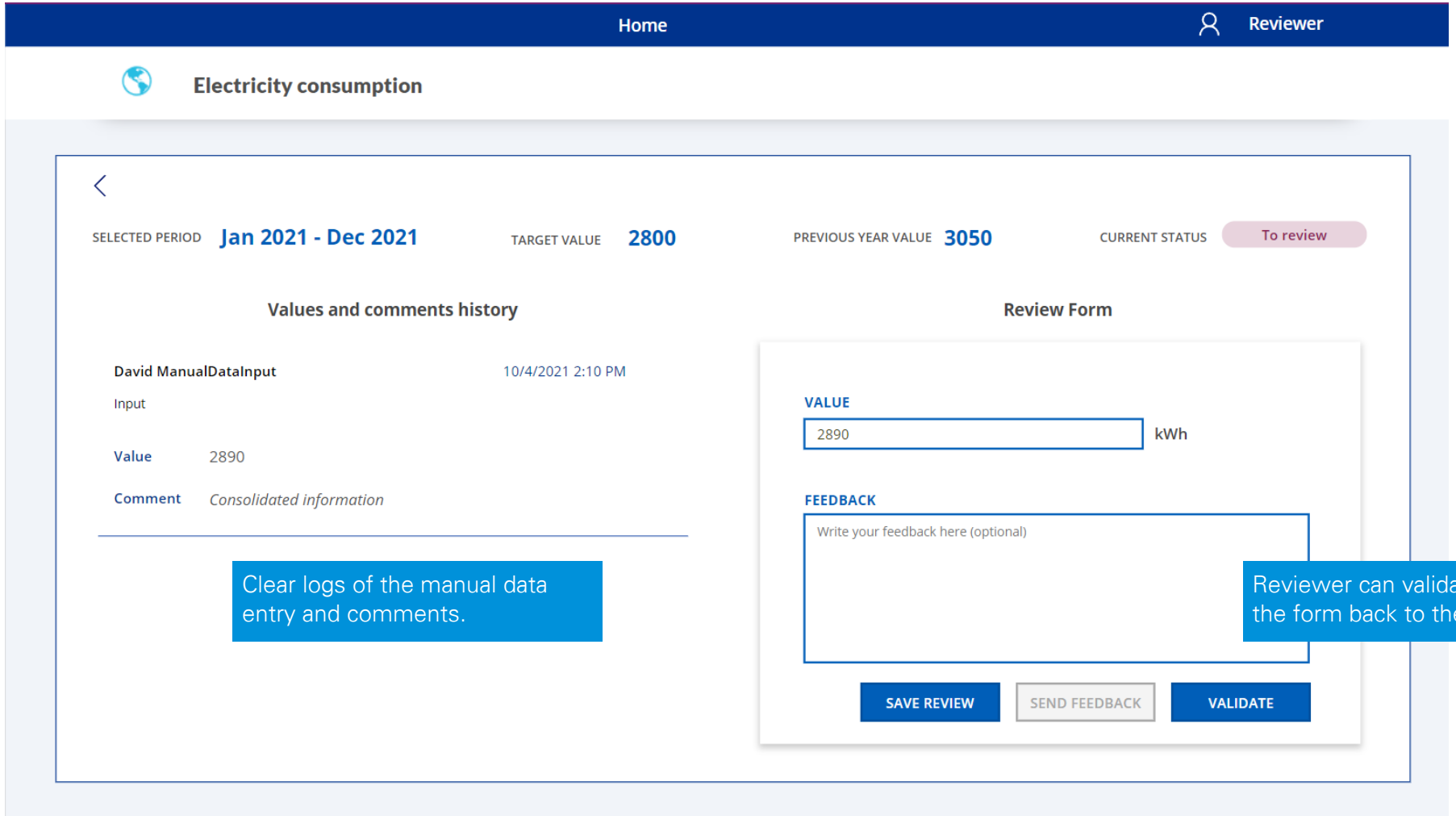
Clear view on KPI: actual vs. target


Tailored visualizations provide insights from data available in various source systems.

Interactive visuals: Data-driven insights in drivers for success. *(such as the pay-gap in this example)*

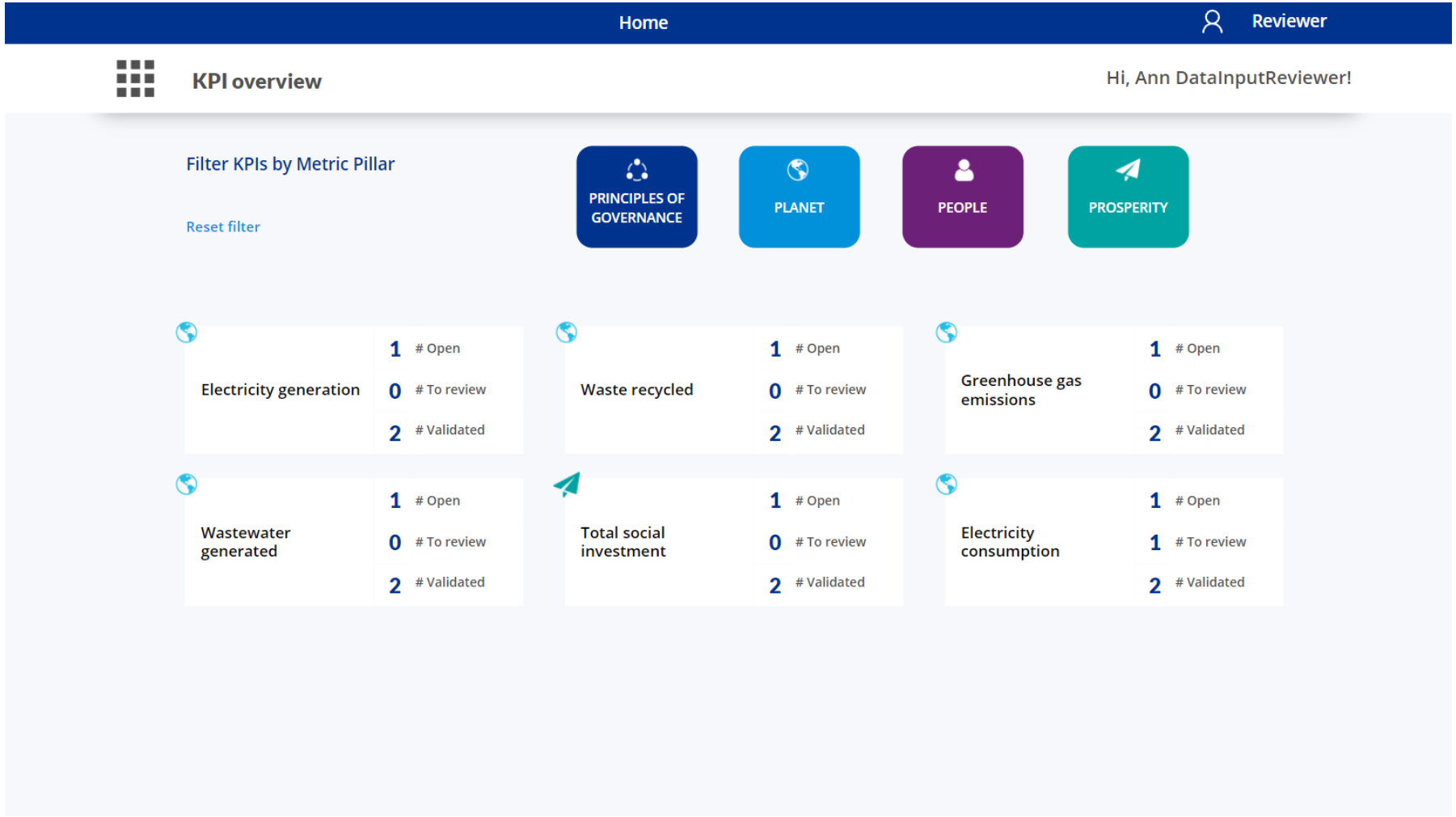
# POWER APP FOR MANUAL DATA ENTRY

*If data cannot be sourced automatically, manual date entry is supported via a custom application. A review cycle is embedded to enhance trust in data quality.*



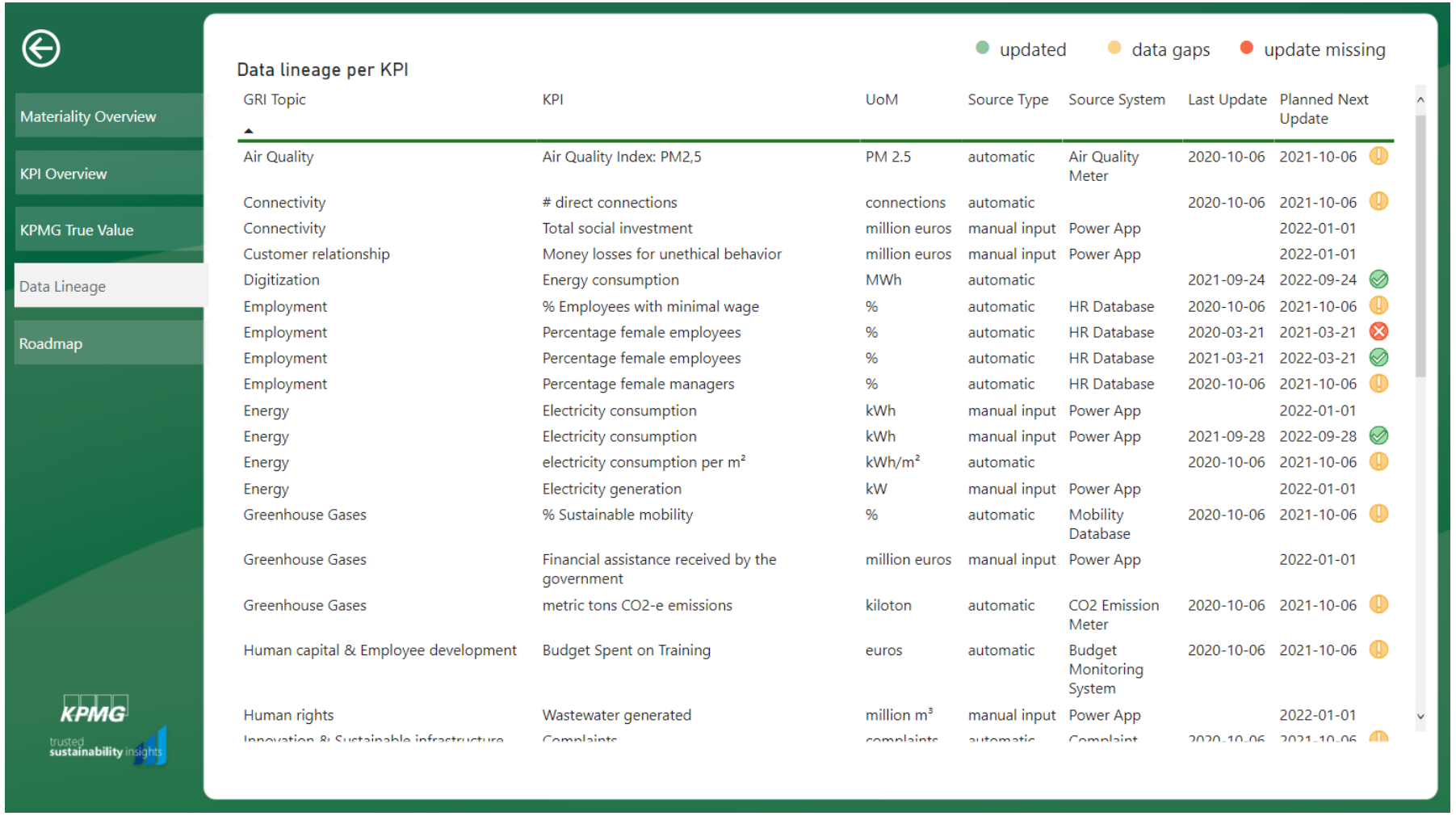
# POWER APP FOR MANUAL DATA ENTRY

*The homepage of the manual data entry application clearly indicates which information is open for input, to review or validated.*



# DATA LINEAGE

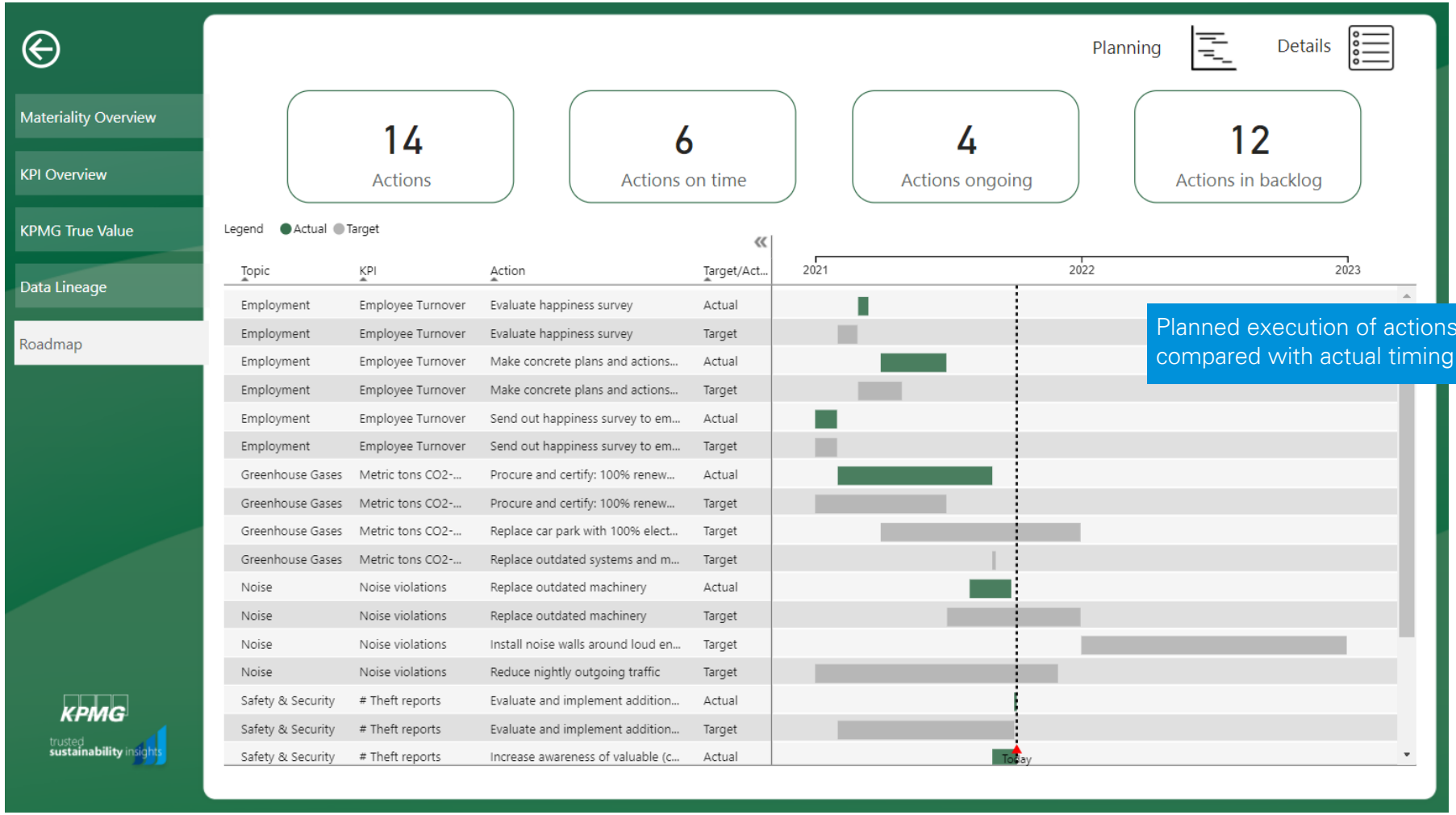
*Multiple data sources are connected to host the sustainability dashboards. The data lineage page provides an overview of the data source per topic, and clearly indicates if data is complete.*




| GRI Topic | KPI | UoM | Source Type | Source System | Last Update | Planned Next Update |
|---|---|---|---|---|---|---|
| Air Quality | Air Quality Index: PM2,5 | PM 2.5 | automatic | Air Quality Meter | 2020-10-06 | 2021-10-06 |
| Connectivity | # direct connections | connections | automatic | | 2020-10-06 | 2021-10-06 |
| Connectivity | Total social investment | million euros | manual input | Power App | | 2022-01-01 |
| Customer relationship | Money losses for unethical behavior | million euros | manual input | Power App | | 2022-01-01 |
| Digitization | Energy consumption | MWh | automatic | | 2021-09-24 | 2022-09-24 |
| Employment | % Employees with minimal wage | % | automatic | HR Database | 2020-10-06 | 2021-10-06 |
| Employment | Percentage female employees | % | automatic | HR Database | 2020-03-21 | 2021-03-21 |
| Employment | Percentage female employees | % | automatic | HR Database | 2021-03-21 | 2022-03-21 |
| Employment | Percentage female managers | % | automatic | HR Database | 2020-10-06 | 2021-10-06 |
| Energy | Electricity consumption | kWh | manual input | Power App | | 2022-01-01 |
| Energy | Electricity consumption | kWh | manual input | Power App | 2021-09-28 | 2022-09-28 |
| Energy | electricity consumption per $m^2$ | $kWh/m^2$ | automatic | | 2020-10-06 | 2021-10-06 |
| Energy | Electricity generation | kW | manual input | Power App | | 2022-01-01 |
| Greenhouse Gases | % Sustainable mobility | % | automatic | Mobility Database | 2020-10-06 | 2021-10-06 |
| Greenhouse Gases | Financial assistance received by the government | million euros | manual input | Power App | | 2022-01-01 |
| Greenhouse Gases | metric tons CO2-e emissions | kiloton | automatic | CO2 Emission Meter | 2020-10-06 | 2021-10-06 |
| Human capital & Employee development | Budget Spent on Training | euros | automatic | Budget Monitoring System | 2020-10-06 | 2021-10-06 |
| Human rights | Wastewater generated | million $m^3$ | manual input | Power App | | 2022-01-01 |
| Innovation & Sustainable infrastructure | Complaints | complaints | automatic | Complaint | 2020-10-06 | 2021-10-06 |

# ROADMAP

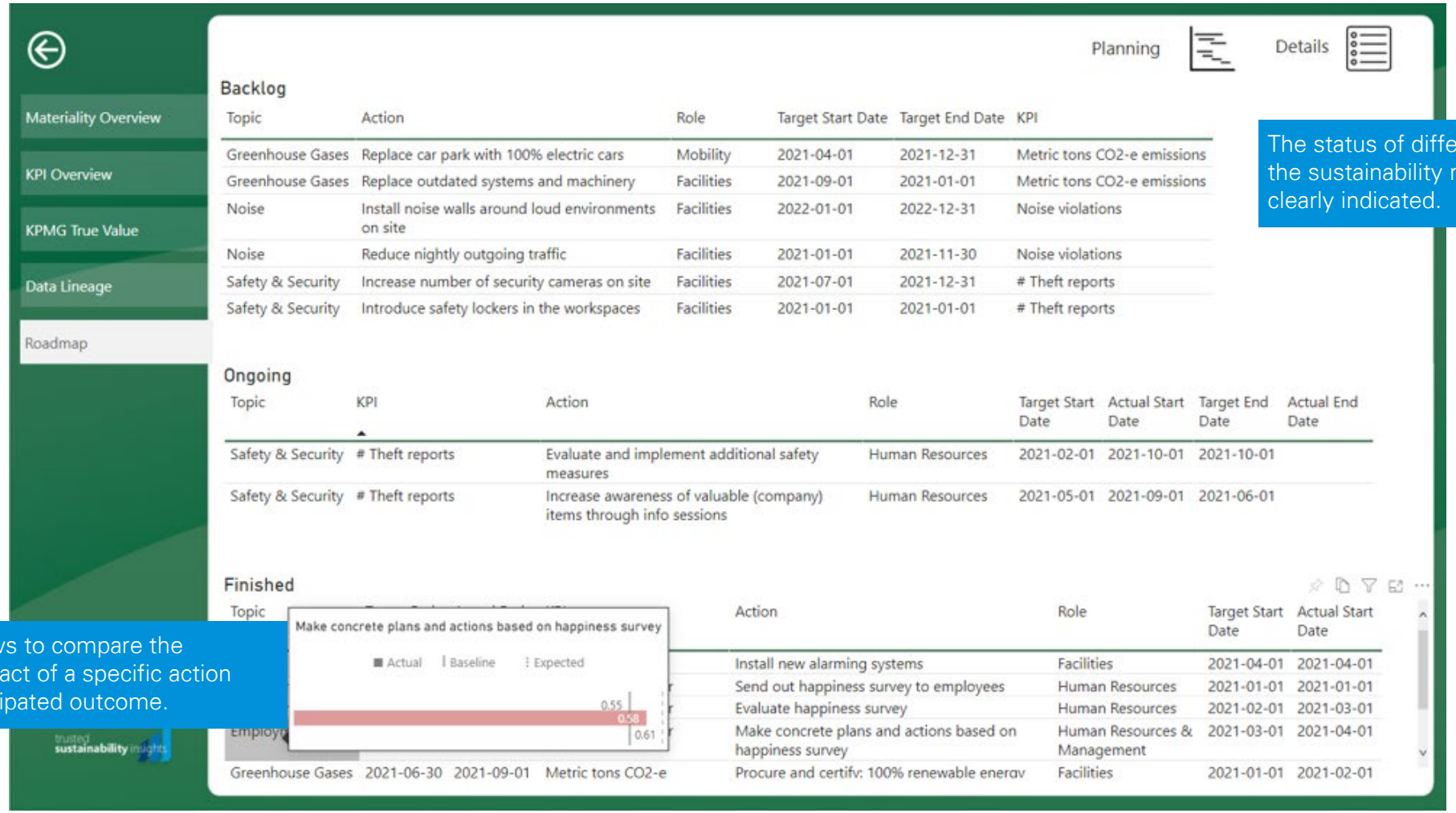
*The sustainability roadmap describes which actions will be implemented to reach the commitments. Via Trusted Sustainability Insights, implementation of the actions on the roadmap is monitored.*




Planned execution of actions is visualized and compared with actual timing of implementation.

# ROADMAP

*For actions that are completed, the expected impact on a KPI is compared with the observed value for the specific indicator. This allows to evaluate periodically if the roadmap will lead to the anticipated results.*

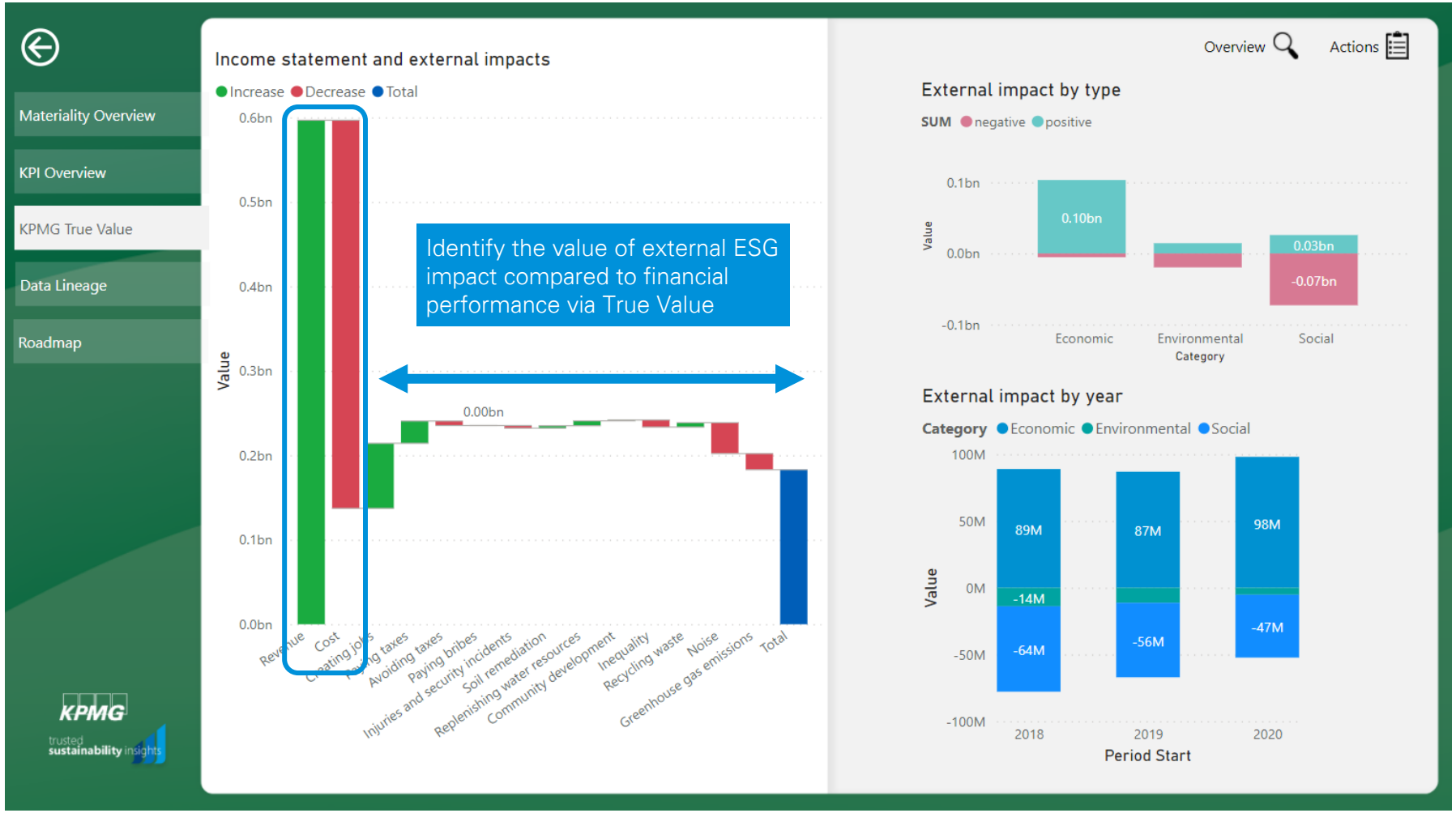



The status of different actions on the sustainability roadmap is clearly indicated.

A tooltip allows to compare the observed impact of a specific action with the anticipated outcome.

# IMPACT ASSESSMENT VIA TRUE VALUE

*An impact assessment on the material topics allows to quantify external costs and benefits.*

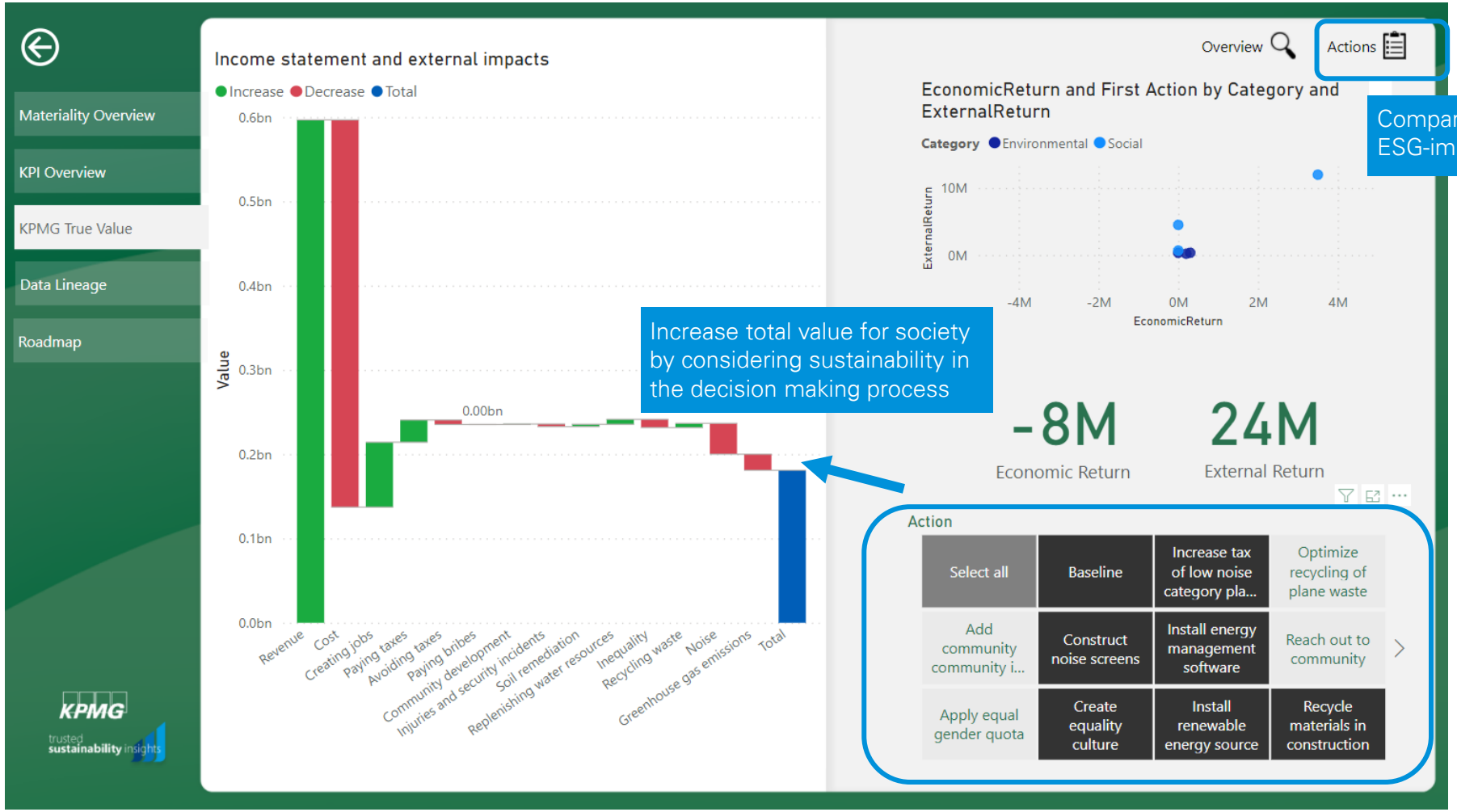


# IMPACT ASSESSMENT VIA TRUE VALUE

*The importance of different impacts can be compared and evolution over time can be tracked.*

# IMPACT ASSESSMENT VIA TRUE VALUE

*The impact assessment allows to consider ESG-impact in decision making, and provides a way to consider both financial criteria as sustainability impact when evaluating an action or scenario.*



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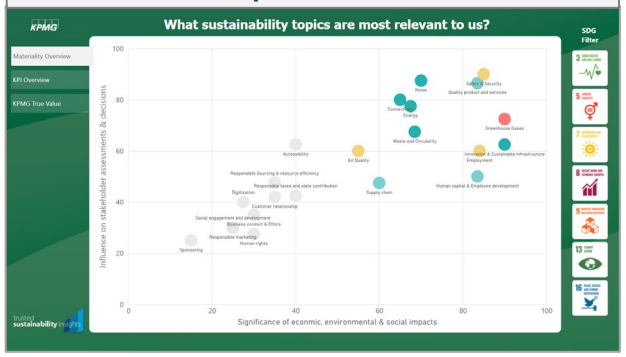


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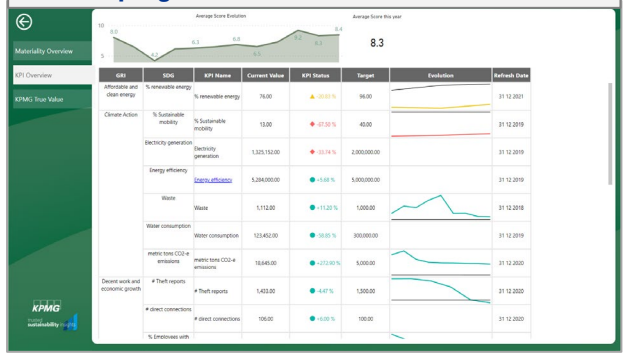

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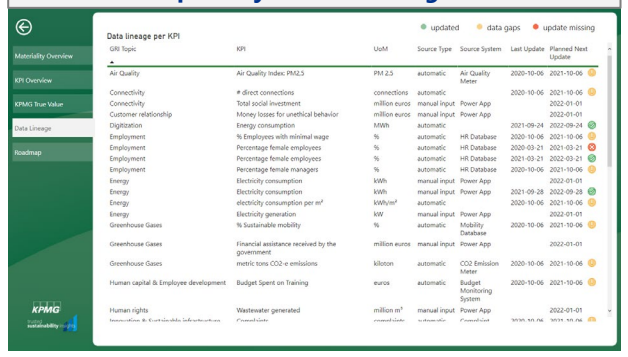


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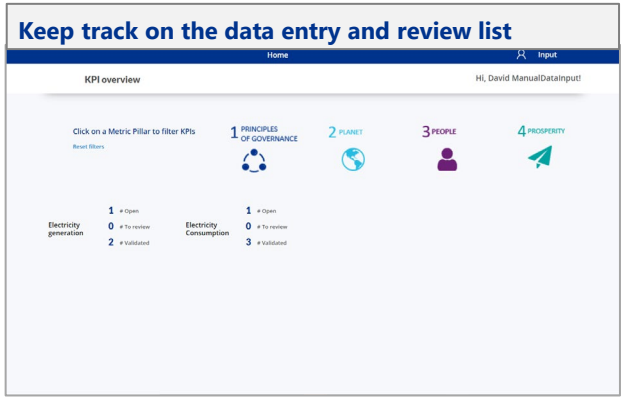


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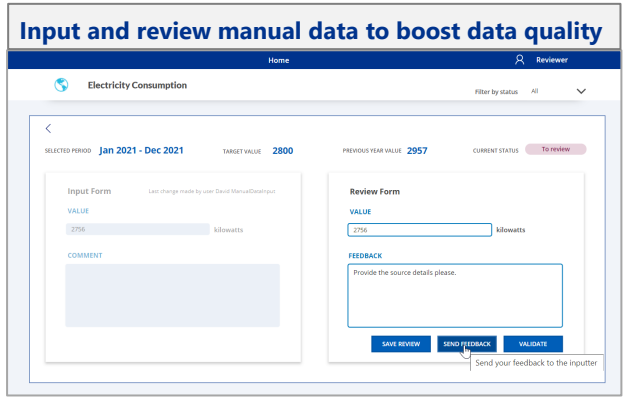


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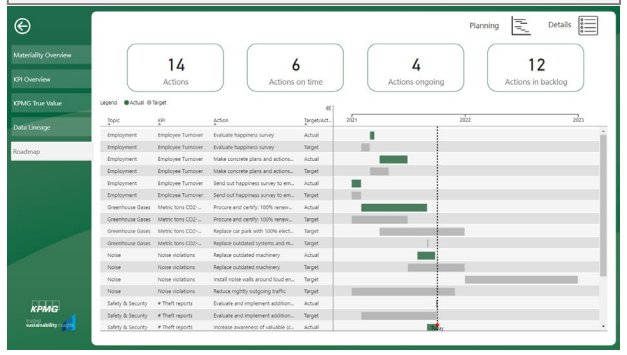


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