Functional Requirements – Supplier Dashboard

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| **Objectives** | The objectives of this document are to share the data model that will be available for the analysis of Supplier Dashboard KPIs and to illustrate the KPI’s technical specifications. |

# **Data model**

The following table shows the list of dimensional attributes available for each KPI:

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| Dimensional Attributes |
| Company |
| Company - Country |
| Material Group |
| Supplier |
| Supplier - Country |
| Supplier – Parent Company |
| Year – Month – Quarter - Semester |

The Supplier dimension is the only one that is historicized in order to keep track of any changes.

The following table contains the complete lists of KPIs that will be furthers analysed in the document:

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| ID | KPI |
| 1.1 | List of Strategic Suppliers Year by Year |
| 2.1 | Total Invoicing(fatturazione) (€) |
| 3.1 | Total Number of Suppliers(fornitori) |
| 4.1 | N. of Suppliers engaged in training(formazione) initiatives |
| 4.2 | Total Invoicing (€) of suppliers engaged in training initiatives |
| 4.3 | % of Invoicing (€) of suppliers engaged in training initiatives on total Invoicing |
| 5.1 | N. of suppliers certified with Ecovadis |
| 5.2 | Total Invoicing (€) of suppliers certified with Ecovadis |
| 5.3 | % of Invoicing (€) of suppliers certified with Ecovadis on total Invoicing |
| 5.4 | Average Ecovadis score |

# **KPI**

Below are the KPIs that will be available in the data model:

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| **ID** | **1.1** |
| **Name** | List of Strategic Suppliers Year by Year |
| **Description** | A Supplier is considered as “strategic” for a certain company and for a certain period if it is in the top set of suppliers by invoice for a certain company. The top set is the set of suppliers which generate the 80% of Total Invoicing for a Company referenced in the Reporting Year.  Therefore, Supplier Strategic List includes all suppliers who must reach the threshold of 80% of the Company’s total invoice referenced in the Reporting Year |

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| **ID** | **2.1** |
| **Name** | Total Invoicing(Fatturato) (€) |
| **Description** | The KPI is the overall(complessivo) invoiced value.  The data in the source table are expressed in local currency so the data must be converted using exchange rates(tassI\_cambio).  The link between exchange rates and Invoicing is by currency and period. |

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| **ID** | **3.1** |
| **Name** | Total Number of Suppliers |
| **Description** | The KPI reports the total number of suppliers with an invoiced value greater than 0 in the period. |

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| **ID** | **4.1** |
| **Name** | N. of Suppliers engaged in training initiatives |
| **Description** | The KPI reports the number of suppliers engaged in training initiatives with an invoiced value greater than 0 in the period.  The “Training flag” for each supplier is calculated considering the following logics:  If the supplier has trained with at least one Company, then the training applies to all companies that purchased from that supplier.  Furthermore, training conducted by a supplier is valid from the year it was carried out and in the following years. |

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| **ID** | **4.2** |
| **Name** | Total Invoicing (€) of suppliers engaged in training initiatives |
| **Description** | The KPI reports the total invoicing of suppliers engaged in training initiatives.  The “Training flag” for each supplier is calculated as for KPI 4.1. |

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| **ID** | **4.3** |
| **Name** | % of Invoicing (€) of suppliers engaged in training initiatives on total Invoicing |
| **Description** | The KPI percentage of invoicing of suppliers engaged in training initiatives on total Invoicing.  The “Training flag” for each supplier is calculated as for KPI 4.1. |

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| **ID** | **5.1** |
| **Name** | N. of suppliers certified with Ecovadis |
| **Description** | The KPI reports the number of suppliers certified with Ecovadis with an invoiced value greater than 0 in the period.  A supplier is certified if it has an ecovadis score associated.  The certification is valid from the published year and for the following two years.  The certification applies to all companies that purchased from that supplier.  If the supplier changes the score during the year, this is retroactive and applies for the whole year. The most recent score for the year is always considered.  Ecovadis and Invoicing data are linked through the suppliers using a bridge table. |

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| **ID** | **5.2** |
| **Name** | Total Invoicing (€) of suppliers certified with Ecovadis |
| **Description** | The KPI reports the total invoicing of suppliers certified with Ecovadis.  The rules of the certification are the same as the KPI 5.1. |

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| **ID** | **5.3** |
| **Name** | % of Invoicing (€) of suppliers certified with Ecovadis on total Invoicing |
| **Description** | The KPI percentage of invoicing of suppliers certified with Ecovadis on total Invoicing.  The rules of the certification are the same as the KPI 5.1. |

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| **ID** | **5.4** |
| **Name** | Average Ecovadis score |
| **Description** | The KPI represents the average score of all suppliers certified with Ecovadis that have an invoiced value grater than 0. |

# **Reporting Requirements**

It is requested to create a report to analyse, for the different dimensions of analysis available in the data model, the invoice value in local and group currency over time with a focus on strategic suppliers and group leaders.

It is requested to have two separate sections related to Traning and Ecovadis for monitoring supplier engagement. It is of little interest the individual supplier score as much as the average at the company and country level. Again, it was requested that a section be dedicated to strategic suppliers only.

In the case of temporal analysis, it is preferable to maintain annual or at most semi-annual detail for Ecovadis and training data.

Finally, it would be useful to have the ability to make a tabular download of invoice data by individual supplier in order to enable offline analysis.