Questionnaire: BARC Topical Survey Data Mesh

1. **What is your role within the company? [Single choice]**
   * Chief Data Officer
   * Chief Information Officer/Chief Technology Officer
   * Data Protection Officer
   * Board level executive
   * Head of a business department/division
   * Head of IT
   * Head of BI/Analytics/Data
   * Process Owner
   * Data Owner
   * Data Steward
   * Key user in operational applications (data producer for ERP, CRM, SCM, etc.)
   * Key user in BI and analytics applications (data consumer)
   * Power user in BI and analytics systems (data consumer)
   * Business Analyst / Citizen Data Scientist
   * Data Scientist
   * Data Engineer
   * BI/DWH Developer
   * Data Architect
   * Enterprise Architect
   * Software Developer
   * External consultant or software vendor (I will answer the following questionnaire about a specific customer project)
   * Other, please specify:

Hint: In the following, the acronym "D&A" stands for "data & analytics".

1. **To what extent do you agree with these statements? [Matrix]**

(Scale: Strongly agree, Mostly agree, Mostly disagree, Strongly disagree, Don't know)

* + Central D&A teams do not scale.
  + Central D&A teams lack business domain expertise, which is a risk to D&A assets.
  + Business users require a higher level of data & analytics empowerment.
  + An increasingly distributed data & application landscape requires a more distributed approach to data & analytics.
  + Data governance is a tedious obligation and a limiting factor.
  + We could benefit from more effective means of collecting and documenting expert knowledge about our data.
  + The value of data is sufficiently transparent, we know what data is used by whom and for what purpose.
  + Data is a revenue driver.
  + There is so much duplication of data and analyses in our organization that I don't know what I can rely on.
  + I can find relevant data quickly and easily.

1. **How often do you meet your information needs through the following sources? [Matrix]**

(Scale: always, often, sometimes, rarely, never)

* + - I can find analyses tailored to my needs in one location.
    - I can find data tailored to my needs in one location.
    - I have to pull data from different sources and prepare it individually.

1. **Who is responsible for data products in your company? [Matrix]**
   * + - 1. Data assets
     + Raw source data
     + Prepared, consumer-oriented data
     + Prepared, ML/AI-oriented data
     + Reports/dashboards
     + Ad hoc & visual analyses
     + ML/AI models
     + Analytics applications/services
       - 1. Data responsibilities
     + Developers in IT
     + Data scientists/engineers in IT
     + Data scientists/engineers in business
     + Power users/analysts in business
     + Casual business users in business
     + External consultant/service provider
     + Don’t know
2. **Where should more responsibility be shifted to improve the quality and usefulness of the following data products in the future? [Matrix]**
   * + - 1. Data assets
     + Raw source data
     + Prepared, consumer-oriented data
     + Prepared, ML/AI-oriented data
     + Reports/dashboards
     + Ad hoc & visual analyses
     + ML/AI models
     + Analytics applications/services
       - 1. Data responsibilities
     + No shift necessary
     + Domain teams in business
     + Domain teams in IT
     + Central D&A team in business
     + Central D&A team in IT
     + External consultant/service provider
3. **Should business domains have a dedicated area for their own data & analytics assets and for sharing with other domains? [Single choice]**
   * Yes
   * No
   * Don’t know/not sure
4. **How should data & analytics platforms be allocated between a company's business domains? [Single choice]**
   * One central D&A platform for all business domains
   * Each business domain should have its own D&A platform
   * Combination of a central D&A platform and additional platforms where required
   * Don’t know/not sure
5. **Which core functional areas should a self-service D&A platform for business users cover? [Multiple choice]**
   * Presenting/visualizing data
   * Report/dashboard authoring
   * Ad hoc/visual analysis
   * Data preparation
   * Advanced/predictive analytics in explorative systems
   * Embedded/predictive analytics in operational systems
   * Model-based automated decision-making in operational systems
   * Other, please specify:
   * Don't know
6. **Which supporting features should a self-service D&A platform provide to help business users work more efficiently and effectively with data & analytics assets? [Multiple choice]**
   * Search in all D&A assets
   * Provide knowledge about data and its origin
   * Provide previews of data or visualization
   * Data shopping in an open marketplace
   * Request access to D&A assets
   * Provide feedback / share experience
   * Ask other data workers questions
   * Rating system for quality and usability of data
   * Governance of policy compliance, efficiency, effectiveness and value creation
   * Other, please specify:
   * Don't know
7. **Which of these measures are relevant for your company to improve the quality of its D&A assets? [Matrix]**

(Scale: Relevant and being done, Relevant and planned, Relevant but not planned, Of little or no relevance, Don't know)

* + Apply product thinking to D&A assets
  + Serve source data as data ready for consumption
  + Serve source data with a description of the expected quality
  + Establish a feedback loop from data consumers to data producers to support continuous improvement of data products
  + Monitor usage and success of data products and ensure an appropriate balance in cost/benefit terms
  + Actively phase out data products that are not used or not successful
  + Monitor and improve the usefulness of D&A assets

1. **Have these measures to improve the quality of D&A assets generated benefits? [Single choice]**

[Only if "Relevant and being done" has been selected at least once at question 10]

* + Not yet
  + Yes, but the benefits are not measurable yet
  + Yes, and the benefits are measurable
  + Don’t know/not sure

1. **Which organizational data governance approach does your company follow today? [Single choice]**
   * We follow a central approach to data governance (data policies are defined and implemented top-down)
   * We follow a local approach to data governance (data policies are defined and implemented by the business domains)
   * We follow a federated approach to data governance (data policies are defined and implemented centrally for cross-domain data topics, and locally for domain-specific data topics
   * Don’t know/not sure
2. **Has your organizational data governance approach generated measurable benefits? [Single choice]**

[NOT if " Don’t know/not sure" has been selected at question 12]

* + Not yet
  + Yes, but the benefits are not measurable yet
  + Yes, and the benefits are measurable
  + Don’t know/not sure

1. **Do you see the need for a shift in your company’s organizational data governance approach in the future? [Single choice]**

[NOT if " Don’t know/not sure" has been selected at question 12]

* + We need to shift to a more central approach to data governance.
  + We need to shift to a more local approach to data governance.
  + We need to shift to a more federated approach to data governance.
  + No need for a shift in our data governance approach.
  + Don’t know/not sure

1. **How relevant is the data mesh concept for your company? [Single choice]**

(Scale: Relevant and being done, Relevant and planned, Relevant but not planned, Of little or no relevance, Don't know)

1. **How relevant is data intelligence for your company?** **[Single choice]**

(Scale: Relevant and being done, Relevant and planned, Relevant but not planned, Of little or no relevance, Don't know)

1. **How do you rate the skills and competencies in the handling of data in your company compared to your main competitors? [Single choice]**
   * Much better
   * Slightly better
   * Similar
   * Slightly worse
   * Much worse
   * Don't know

**Demographic questions**

1. **Which of the following best describes your organization's industry sector? [Single choice]**
   * Agriculture
   * Banking and finance
   * Construction
   * Consulting
   * Education
   * Healthcare
   * Insurance
   * IT
   * Manufacturing (e.g., automotive, mechanical engineering etc.)
   * Media/Publishing
   * Oil, gas and mining
   * Process industry (e.g., chemical, pharmaceutical etc.)
   * Public sector
   * Retail/Wholesale/Trade
   * Services (except consulting)
   * Telecommunications
   * Transport and logistics
   * Utilities
   * Other please specify:
2. **In which country are you located? [Single choice]**

[Drop down menu]

1. **How many employees does your company have? [Single choice]**
   * Less than 250
   * 250 - 499
   * 500 - 999
   * 1,000 - 2,499
   * 2,500 - 4,999
   * 5,000 - 9,999
   * 10,000 - 19,999
   * 20,000 or more