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