**Data Mesh**

**The traditional structure:**  
Operational team: does main work, generates data.  
Analytics/data team: Analyses data and makes sense of it. (data -> Info)  
Data goes to data store. (for storage and usage). (one huge monolithic system)

**Disadvantages:**

The data pipelines are bottlenecks.

Disconnect between the teams making, managing and understanding the data.

**Data mesh architecture:**

Groups 4 principles:

1. **Domain Ownership**: Instead of having one data team having the data and knowing how to process it…
2. **Data as a product**: Traditional, data is a byproduct. Here, data is being treated as if it is a product that is going to be used/useable.
3. **Self-serve data platform**: There is a data platform team that creates a setup platform that all the data products can be created and consumed on. Should be domain agnostic, and be able to consume the platform for their services.
4. **Federated Governance**: Must comply to business rules, and government laws.

The main goal is to look at the data from a different perspective to make sure the data is more useful. This occurs where everyone is more interconnected and able to use each others data.

For smaller companies with fewer domains/separate teams dealing with data in different ways, this is not a solution.