10 Key Tenets for Successful DataOps[1]

Incorporate automation to be scalable, prioritize governance and security for trustworthiness, and open standards for interoperability and future-proofing.

Establish management responsibilities including a "data supply chain manager" to coordinate the effort and recruit responsible parties across the supply chain, and then put issues associated with data sharing and ownership "front and center."

Apply DataOps to automate process and thereby offset a shortage of data personnel and skills.

Apply DataOps to address governance issues by routinizing and operationalizing data access. Data can be limited by type, users, geography, departments, and other criteria to ensure only data that is needed for a job/role/level/partnership is accessible to adhere to individual company, partner, industry mandates and domestic and regional data-handling requirements.

Create a comprehensive view of data pipelines and processes to manage data origins and access as an essential element of data security.

Use DataOps to speed data use. Real-time data is critical to accelerate data-driven decision making.

Data lineage and metadata are essential to data usability. If data is not vetted and trustworthy, the data consumers will feel they cannot rely on it, be reluctant to use it, and the DataOps efforts will be for naught.

DataOps endeavors must be open and agnostic to be long-lived since new data architectures are always emerging, and components are continually changing.

Collaboration is key among groups distributed across the business.

DataOps requires a combination of people, processes, and technology. There is not one magic solution that will make it all happen. And for it to be impactful, DataOps processes must be able to connect to all types of data and enable widespread accessibility through a variety of interfaces.

[1] https://www.chaossearch.io/resources/build-a-dataops-foundation-for-agile-data-analytics