

FAIR Process Framework - Factsheet 5

Step 5 — Developing a FAIR data strategy

About

Step 5 helps you develop a considered strategy to follow that will increase the likelihood of successfully implementing FAIR principles in your investment.

Approaches used to develop the content

This sheet offers additional context to the approaches considered in this step and provides examples of real-world applications. Read this document if you are interested in understanding the underlying approaches that the resources in Step 5 are built upon.

One main approach was used:

The 3Ps – People, Process, Platform

The 3Ps: People, Process, Platform

This step is based around the 3Ps Framework, which includes three main components of an effective data governance framework: **People**, **Processes**, and **Platforms**.

According to this methodology, people are defined as the **organizational structure** of those involved in data governance, including the **roles** and **responsibilities** of those who own, collect, store, manage, and use data. Processes refers to **guidelines** for using, protecting and managing data, ensuring **consistency** and **compliance**. Platforms (or technology) is indicative of the **tools** and **systems** that support data governance, and can include **security protocols** or **data management platforms**. For an effective data strategy to be put into practice, all of these components must be considered.

Collaborative Design and Process

One of the benefits of applying the 3P framework to AgDev investments is the added emphasis on collaborative design and stakeholder engagement. The 3P framework can provide valuable guidance in facilitating collaboration and incorporating feedback throughout the design and implementation phases.

Framework Origins

The '3P' framework presented in Step 5 is an adaptation of the industry-standard 'people, process, technology' [framework](#),¹ to include 'platform' as a more specific component for the work addressed in this step.

This is a concept that originated from the field of business and organizational management. It is often used as a guiding principle for analyzing and improving organizational effectiveness, particularly in the context of implementing new technologies or driving organizational change. While the exact origin of the framework is difficult to pinpoint, it has been widely adopted across various industries and disciplines.

¹ [A step-by-step guide to setting up a data governance program \(ibm.com\)](#)

The framework emphasizes the interconnectedness of three key elements:

1. **People:** Refers to the individuals involved in the organization or project, including employees, stakeholders, customers and end users. People are essential for driving innovation, implementing processes, and utilizing technology effectively.
2. **Process:** Encompasses the workflows, procedures, and methods that govern how work is performed within an organization or project. Processes ensure consistency, efficiency and quality in the delivery of products or services.
3. **Technology:** Encompasses the tools, systems and resources used to support organizational activities and achieve objectives. Technology can range from hardware and software to infrastructure and equipment.

The framework suggests that successful outcomes result from a balanced consideration of all three elements. It highlights the importance of aligning these elements harmoniously to achieve organizational goals and desired outcomes. In the context of agricultural development projects, the framework can be applied to optimize the use of resources, enhance collaboration among stakeholders, and improve the effectiveness of interventions aimed at promoting sustainable agricultural practices and rural development.

Framework Applications

The following examples illustrate how versions of the 3Ps framework have been applied in data governance plans.

NSW Data Governance Toolkit: This toolkit, formulated by the Australian government, outlines methods for creating an effective data governance program. It incorporates a related concept to the 3Ps, 'People, Process and Technology', which recognizes that effective data governance is an ongoing effort executed by people, enabled by repeatable processes, and supported by technology.²

NetHope Data Governance Toolkit: The NetHope data governance toolkit aims to assist non-profit organizations in implementing Data Governance effectively. Emphasizing the significance of 'People, Process and Technology', the toolkit advises organizations to identify people for roles in the plan, establish processes for defining data quality, security and literacy needs, and select appropriate technology for managing data governance when drafting governance policies.³

² NSW Government. (2021). NSW Data Governance Toolkit.

<https://data.nsw.gov.au/sites/default/files/inline-files/NSW%20Data%20Governance%20Toolkit%20V1.1.pdf>

³ Vota, W. (2022). Introducing the NetHope Data Governance Toolkit. ICT Works. <https://www.ictworks.org/nethope-data-governance-toolkit/>