**Data Interoperability Framework for Agricultural Traceability and Product Data**

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Welcome to the future of Australian agriculture. With the seamless sharing and integration of data across our vast supply chains is not just an ideal,

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it's becoming a reality.

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In this video we provide an overview of the Department of Agriculture, Fisheries and Forestry’s proposed Data Interoperability Framework, which is set to revolutionise traceability and product data management in our agricultural sector. Let's dive into why traceability matters. With over 100 million invested by the Australian Government into agricultural traceability systems, this initiative will strengthen food safety provenance by security and market access.

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Firstly, traceability data is needed to ensure every food item can be tracked through all stages of production, processing and distribution, maintaining Australia's global reputation for high quality, sustainable products.

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Secondly, product data is needed to satisfy consumer and regulatory requirements for transparency.

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This information can help prove claims such as carbon neutrality.

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The demand for data about products will increase, and we want to ensure that it flows up and down the supply chain efficiently and securely.

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Imagine a future where data flows freely yet securely across our agricultural landscape.

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Producers can demonstrate sustainability with ease, supply chains operate with unprecedented efficiency and consumers have full confidence in the provenance and safety of their food.

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Data interoperability is at the heart of this framework. It's all about enabling different systems and organisations to share data effortlessly.

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This capability is vital for tracing agricultural products across the supply chain, ensuring transparency and supporting sustainable practises.

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But what is driving the push for data interoperability?

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Our challenges that despite Australia's advanced agricultural traceability systems, the diversity and fragmentation of data collection have long hindered efficiency and transparency.

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Data Interoperability Framework is designed to enable seamless data sharing and integration.

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It is designed to accommodate a wide array of producers and systems, ensuring flexibility and scalability.

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The framework is based on principles that guide the selection of recommended resources, such as data standards and guidelines for industry to use.

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It is underpinned by governance structure that invites industry to collaborate with government. Principles like inclusivity, data rights and privacy are foundational to the framework.

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Artefacts like data standards, vocabularies and a canonical data model support semantic and syntactic interoperability.

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These artefacts ensure data is not only able to be shared, but also understood. Governance structures play a critical role in the framework success guiding its evolution and ensuring it meets the industry's needs.

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The proposed governance structure promises oversight and adaptability with a voluntary adoption model encouraging stakeholders to gradually integrate recommended data standards without disrupting existing operations.

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The goal is to start a collective movement towards improved traceability, driven by transparency, sustainability and innovation.

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And while adoption barriers exist, ranging from technical challenges to commercial hesitations, the framework proposes strategies to overcome these, Emphasising the collective benefit of interoperable data standards. Look ahead. The framework aims to line with global standards and innovations such as digital product passports, decentralised identifiers and verifiable credentials.

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This alignment ensures Australian agriculture remains competitive and adaptable to future market demands.

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The Data Interoperability Framework for Agricultural Traceability and Product Data is more than just the policy document.

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By fostering an environment of transparency, efficiency and sustainability, we can ensure the long term prosperity of our agricultural sector and its stakeholders.

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We invite all industry participants, regulators and technologists to provide feedback on this framework, shaping a more interconnected and resilient agricultural future.

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Thank you for watching. Your feedback and participation are vital to this journey.

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Together, let's build a sustainable, efficient and competitive Australian agriculture sector.