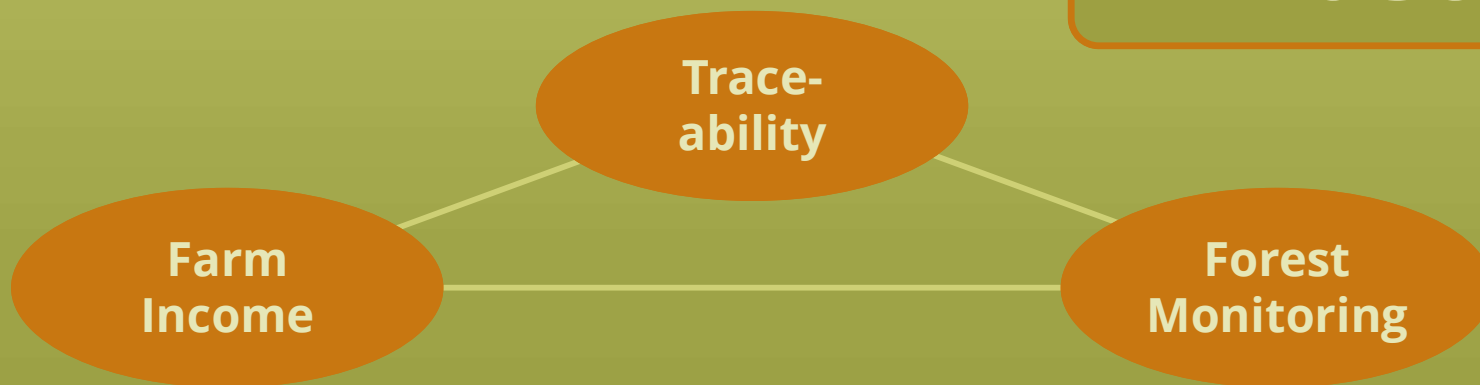


Towards more **efficient, accessible, inclusive** and **interoperable** digital ecosystem in agriculture.

Infrastructure





Photograph: Christopher Wilson, www.christopherwilson.photography

Slow
Off-road
Tedious
Insecure
Wild-west: no rules, no trust
No signposts
Follow the sun
Horses with no name
Lonesome adventure



Photo by [Anirudh](#) on [Unsplash](#)

Accessible
Predictable – shared timetables
Defined rules – track gauge,
signalling
Fit for freight, passenger, luxury,
superfast or local trains
Efficient
Central maintenance
Sustainable

Defining Digital Public Infrastructure



A set of technology building blocks
powered by interoperable open standards/specifications
operated under a set of enabling rules
with open, transparent, and participatory governance
to drive innovation, inclusion, and competition *at scale*

DPI – key elements



Tech Building Blocks
Polygons
Deforestation analysis
Traceability



Enabling Rules
Data Ownership
Data Security
Trust Mechanisms



Public Data
Land Cover Maps
Satellite Imagery

**FOREST DATA
Partnership**



Driving...
...Inclusion
...Innovation
...Competition



Community
Contributors
Users



Open Standards
Georeferences
Data exchange
Interoperability



Identifiers
Field-/Geo-IDs
Farm(er)-IDs



Governance
Public, Private
Host, Maintainer
Funding





Governance: DPI in the making



CONSENSUS ON MAINSTREAMING DIGITAL INTEGRATION OF THE COFFEE VALUE CHAIN IN KENYA FOR ENHANCED TRACEABILITY & SUSTAINABILITY

Key Consensus Areas at the Roundtable Workshop held at Kyaka Hotel, Machakos on 25th and 26th January, 2024

Following the roundtable meeting, held at Kyaka Hotel, Machakos on 25th and 26th January, 2024, we the undersigned stakeholders wish to confirm that we reached consensus on the following issues relating to mainstreaming digital integration of the coffee value chain for enhanced traceability and sustainability:

1. Data Management

a) Interoperability

- It was agreed that there is a need to have value chain actors interconnected for digital integration.
- There is a need to use basic systems to support interoperability.
- There is a need to have basic ICT Infrastructure to support interoperability.
- Have in place a central point where data can be uploaded, validated and when necessary edited.

b) Standardisation of templates for information capture:

Declaración

"Reconocemos la necesidad de adoptar un modelo de gobernanza colaborativa para la Infraestructura Digital de Interés Público (IDIP) en el sector cafetalero, que integre de manera equitativa las visiones y esfuerzos del sector público y del privado. Este enfoque asegurará que la IDIP se desarrolle y opere bajo un marco de cooperación, innovación y responsabilidad compartida, maximizando así los beneficios para todos los actores de la cadena de valor del café. La colaboración público-privada es esencial para abordar eficazmente los retos complejos del sector, promover el cumplimiento normativo, y garantizar la sostenibilidad y la inclusión en el ámbito digital."

Translation: We recognize the need to adopt a collaborative governance model for the Digital Infrastructure of Public Interest (IDIP) in the coffee sector.