



The Virus Outbreak
Data Network: a
Collaboration between
African and Europe for
FAIR and
GDPR-led ethical
health data and AI
solutions

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TOPIC

**Critical Issues For
AU-EU Collaboration
on Health and
Science**

**17TH
FEB
2022**

**12PM WAT/CET
1PM CAT
2PM EAT**



- VODAN Africa is the first successful implementation of Data in residence in the context of the COVID-19 with the installation of Machine actionable COVID-19 FAIR Data Points (FDPs) in 9 locations in Africa (Uganda -2, Ethiopia -2, Kenya -1, Zimbabwe -1, Nigeria -2, Tunisia -1, as well as the Leiden University Medical Centre (LUMC))
- Demonstration of data visiting between Africa and Europe in October 2020
- Trainings of data stewards on Metadata for Machines (M4M), FAIR Data Implementation, vocabulary and template creation
- Integration of a tailor-made application to allow INPUT/EDITING of data on the VODAN FDP
- Re-tooling CEDAR and Implementation of an embeddable editor for data entry in 84 clinics in Africa
- To document the experiences of the VODAN Africa Team, a Special Issue is ready to be published by Data Intelligence in collaboration with the Chinese Academy of Sciences

Critical Issues

- Regulatory Framework for Data Production and Management
 - FAIR and GDPR for ethical computer and data science together with an increasing awareness in Africa of the need to retain data ownership
 - Privacy and Data Protection Laws of African Countries
 - To end data extraction and colonisation of knowledge
- Africa had been at forefront of designing the first distributed machine actionable interoperable data system in which the data is held in the repository in the health facility
 - This enables digital data analytics to improve health services at point of care
 - Makes data visiting possible through federated data in ten sovereignties across Africa and Europe

The logo for VODAN AFRICA is centered within a white circle that has a yellow border. The circle is positioned on the right side of the slide, overlapping a solid blue vertical bar. The logo itself consists of the word "VODAN" in a bold, blue, sans-serif font, followed by "AFRICA" in a smaller, lighter blue, sans-serif font. A small yellow gear icon is placed between the "O" and "D" of "VODAN".

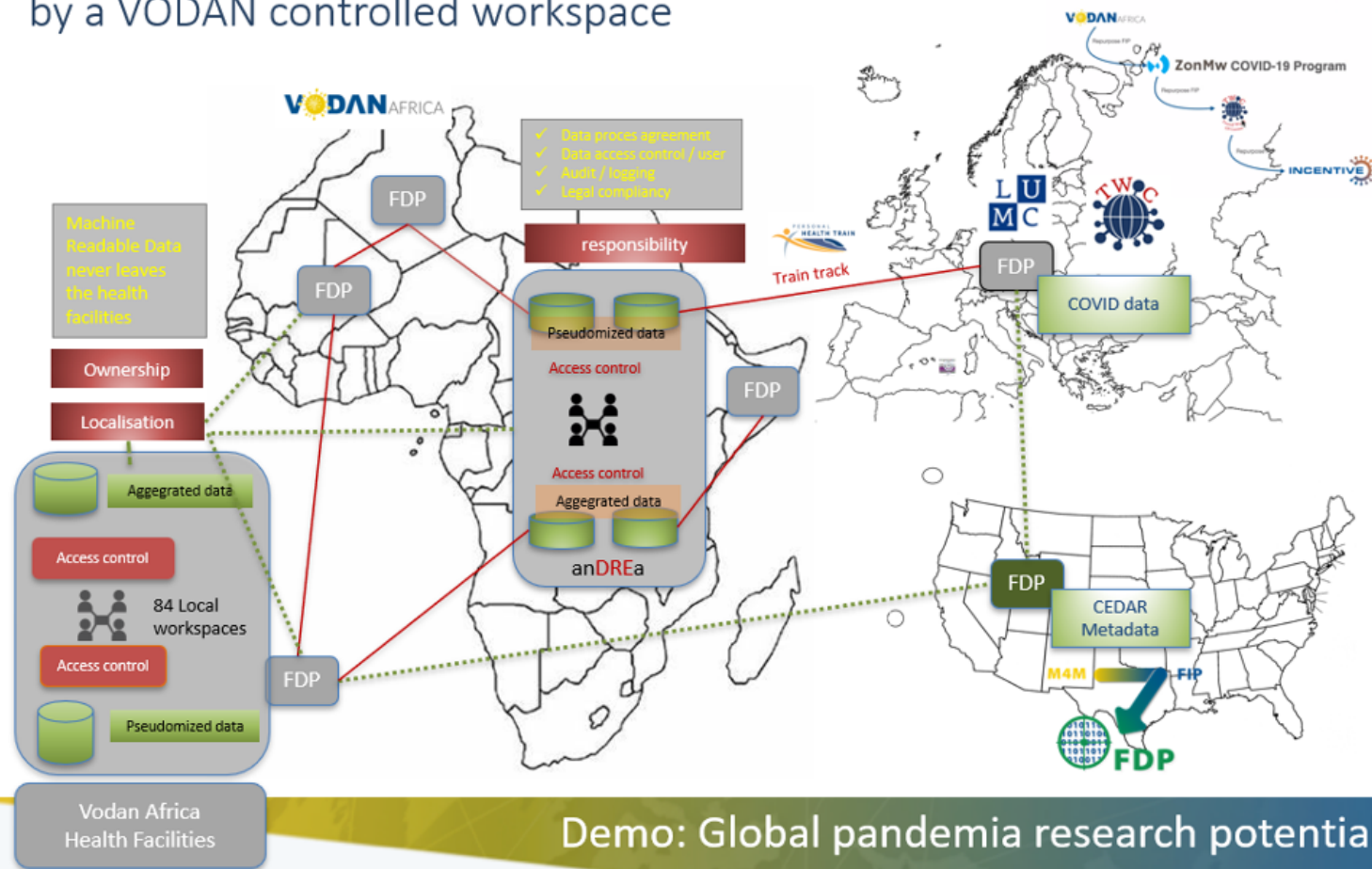
VODAN AFRICA

History of Cooperation: Data visiting Across Africa and Europe

Implementation

FAIR Data Points (FDP) connected:
by a VODAN controlled workspace

Go FAIR Foundation implementation criteria:
Ownership, data Localisation, Responsibility (OLR)



Demo: Global pandemic research potential

Conclusion



This is the beginning of a new internet. Africa and Europe can work together to provide an internet where ownership of the data in the place where data is produced, strong while collaboration can provide data analytics through data visiting