

PANORAMA

Thematic portfolio



Global Burden of Animal Diseases (GBADs)



PERSPECTIVES

| # DOSSIER

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The Global Burden of Animal Diseases (GBADs) programme is an initiative to improve decision-making for animal health/economics by integrating data from many sources and sharing analysis and modelling. GBADs is developing a data sharing approach that embraces FAIR and CARE principles while adding 'Secure by design'.

There are many challenges with sharing data, regardless of where they fall on the spectrum from private to shared to open. GBADs seeks to improve the quality, velocity and scope of livestock data by going beyond the sharing of open data to include data generated by the private sector. It often takes a long time for open data to become available, so it is necessary to speed up the 'time to science' by utilising all data via advanced data sharing principles and protocols.

How can open and private data exist in the same system while providing ease of use and availability for the former and security and privacy for the latter?

FAIR [1] stands for:

- Findable
- Accessible
- Interoperable
- Reusable.

Beyond the principle of 'open as possible, and as closed as necessary', we have extended FAIR to FAIRS, whereby all data are Secure by design. Secure data sharing will be ensured by using appropriate access permissions, identification management, encryption and machine-to-machine communications.

GBADs is also integrating CARE into its data sharing framework. CARE [2] articulates data sharing-principles for indigenous data. The CARE principles are:

- Collective benefit to the owners of data
- Authority of data owners to control usage and access
- Responsibility to ensure benefit and respect for indigenous peoples
- Ethics grounded in respect.

FAIRS+CARE data sharing should help to ensure that all private data in the system are shared while respecting the privacy and needs of the data owners, be they private companies or indigenous peoples.

<https://doi.org/10.20506/bull.2021.1.3261>

DOSSIER

Moving from FAIR to FAIRS and CARE for data sharing in GBADs

KEYWORDS

#animal health, #data management, #decision, #digital technology, #economics in animal health, #Global Burden of Animal Diseases (GBADs), #livestock sector, #statistics, #World Organisation for Animal Health (OIE).

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