Engineering the future

Provider Value & AI Guide

EDGE/DM public documentation

EDGE/DM

Governed Data Space for Medical-Device Innovation

EDGE/DM Provider Value & AI Collaboration Guide

Data Product Value Models, AI Agents and Federated Collaboration

A formal guide to provider value creation, monetisation pathways, AI Agents as Data Products and federated collaboration within EDGE/DM.

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Audience	Data providers, MedTech innovators, AI teams, business stakeholders and governance reviewers

Publication note: *This document describes the final pilot operating model of EDGE/DM for public website download. It is not an implementation-status report and should not be read as a legal, medical or regulatory approval instrument.*

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Overview

Document control

Field	Value
Purpose	Explain provider value, Data Product monetisation pathways, AI Agents and federated collaboration in the EDGE/DM final pilot.
Audience	Providers, MedTech innovators, business stakeholders, AI teams, data-space strategists and governance reviewers.
Classification	Public downloadable document
Final pilot assumption	The document describes the target/final EDGE/DM pilot operating model and deliberately omits implementation-progress indicators.
Clinical boundary	EDGE/DM documentation must not be interpreted as clinical decision support, medical diagnosis or regulatory clearance.

This document explains how EDGE/DM enables providers to create value from governed Data Products and how future AI-enabled collaboration can operate within the same governance model.

Provider value model

Provider value in EDGE/DM is based on governed reuse. Providers can make selected assets discoverable, requestable and usable under terms they define within the data-space governance framework.

Provider value dimensions

Dimension	Description
Control	Providers define permitted use, prohibited use, evidence and access conditions.
Visibility	Data Products become discoverable to eligible

	stakeholders.
Trust	Policies, evidence and traceability make reuse more reliable.
Commercial optionality	Licensing, service, subscription, benchmarking or federated models can be defined.
Innovation	Providers can engage in research, evaluation, validation and AI-enabled collaboration.

Monetisation and value pathways

Monetisation and value pathways

Pathway	How it works	Suitable Data Products
Governed access licensing	Access granted for a defined purpose and scope.	Datasets, composite datasets, evidence packs.
Subscription service	Recurring access to maintained or refreshed capabilities.	Curated data services, monitoring or traceability services.
Benchmarking service	Evaluation against agreed protocols and metrics.	Benchmark datasets, model evaluation workflows.
Validation service	Support for device, model or workflow validation.	Validation workflows, evidence packs, test environments.
AI service access	Use of inference or AI Agent capabilities through controlled interfaces.	Inference services, AI Agents, traceability agents.
Federated collaboration	Joint learning, evaluation or distillation without centralising raw data.	Federated tasks and knowledge-sharing services.

Commercial maturity ladder

Commercial maturity ladder

Level	Description
1 - Discoverable asset	The asset is described publicly as a candidate or available Data Product.
2 - Governed Data Product	Usage conditions, evidence and policies are defined.
3 - Requestable Data Product	Eligible participants can submit structured access requests.
4 - Operational Data Product	Access decisions, obligations and traceability are operational.
5 - Sustainable value model	Licensing, subscription, service, benchmarking or federated models are active under agreements.

AI Agents as Data Products

An AI Agent can be a Data Product if it is governed as a capability rather than an uncontrolled AI system.

- Task and intended use are explicitly defined.
- Inputs and outputs are constrained.
- Limitations and prohibited uses are documented.
- Evidence, logs and explanations are available where required.
- DUA/DUP and policy controls apply.
- It is not presented as autonomous clinical decision-making.

Federated collaboration

Federated collaboration allows multiple participants to create value while reducing the need to centralise raw data.

Federated collaboration patterns

Pattern	Provider value	Governance requirement

Federated learning	Participate in multi-site training/evaluation.	Identity, purpose, model governance, logging.
Federated distillation	Share knowledge outputs instead of raw data.	Output constraints, audit, policy, evidence.
Federated benchmarking	Validate models across settings.	Protocols, metrics, traceability, participant agreements.
Federated evaluation service	Offer evaluation as a governed service.	Access requests, policy, result handling.

Example provider offerings

Example provider offerings

Offering	Example value
Composite dataset	Research, benchmarking and model evaluation under DUA/DUP.
Inference service	Controlled inference without model-weight exposure.
Traceability agent	Audit-support and explanation retrieval service.
Validation workflow	Benchmarking and assessment against defined protocols.
Federated distillation task	Collaborative knowledge transfer while local data remains controlled.

Responsible boundaries

- EDGE/DM does not frame sensitive data as an uncontrolled commodity.
- Commercial terms remain subject to agreements, governance and applicable law.
- Catalogue discovery is not equivalent to operational access.
- Clinical decision-making and real diagnosis remain outside the default public pilot scope.
- Federated AI patterns require clear policy, logging, evidence and output controls.