Veterinary Big Data
Workplan 2022-2025

Contents

Introduction

The European Medicines Agency (EMA) and Heads of Medicines Agencies (HMA) are jointly running a veterinary big data initiative, to help the European Medicines Regulatory Network **to unlock scientific knowledge, increase regulatory efficiency, responsiveness and robustness and move towards a data-driven culture in the regulation of veterinary medicines in the European Union (EU).**

Following adoption of the EU Veterinary Big Data strategy in 2022, **the discussions around big data in the veterinary domain move from vision to action as the EU Veterinary Big Data workplan to 2025 is endorsed at the Heads of Medicines (HMA) meeting in May 2023.**

The EU Veterinary Big Data workplan presented in this document illustrates each topic and key milestones to be carried out until 2025.
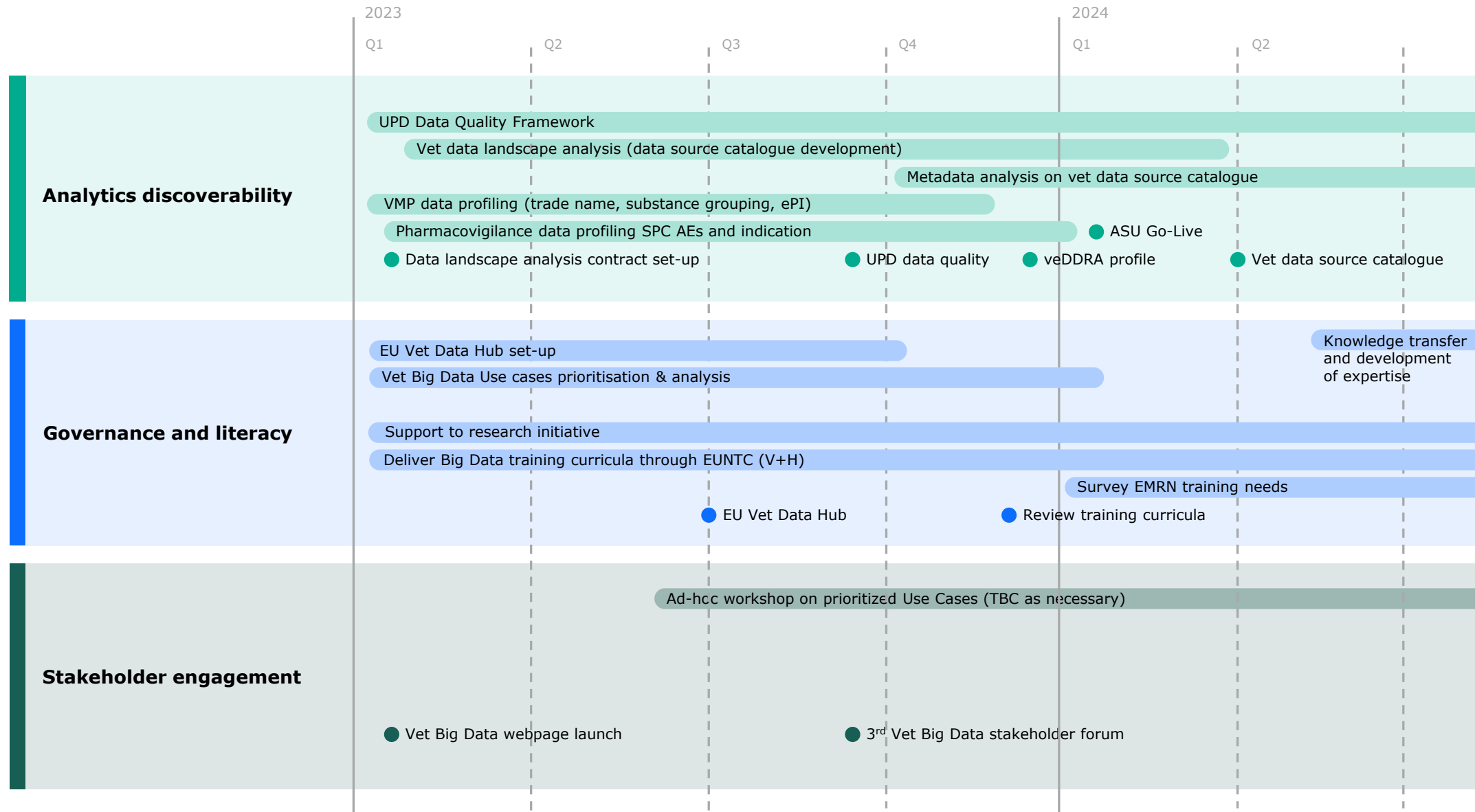
The workplan transposes the strategy's pillars into the following actionable workstreams:

analytics discoverability, governance and literacy and stakeholder engagement

The activities described in this workplan are aligned with the relevant initiatives carried out by the joint HMA-EMA Big Data Steering Group (BDSG).

Workplan

The EU Veterinary Big Data
Workplan to 2025

THE EU VETERINARY BIG DATA WORKPLAN TO 2025

*Scope applicable to veterinary aspects ((v-) if tbc)

	2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2

Analytics discoverability
- UPD Data Quality Framework
- Vet data landscape analysis (data source catalogue development)
- Metadata analysis on vet data source catalogue
- VMP data profiling (trade name, substance grouping, ePI)
- Pharmacovigilance data profiling SPC AEs and indication
- ASU Go-Live
- Data landscape analysis contract set-up
- UPD data quality
- veDDRA profile
- Vet data source catalogue

Governance and literacy
- EU Vet Data Hub set-up
- Knowledge transfer and development of expertise
- Vet Big Data Use cases prioritisation & analysis
- Support to research initiative
- Deliver Big Data training curricula through EUNTC (V+H)
- Survey EMRN training needs
- EU Vet Data Hub
- Review training curricula

Stakeholder engagement
- Ad-hoc workshop on prioritized Use Cases (TBC as necessary)
- Vet Big Data webpage launch
- 3rd Vet Big Data stakeholder forum

THE EU VETERINARY BIG DATA WORKPLAN TO 2025

*Scope applicable to veterinary aspects ((v-) if tbc)

2024		2025			
Q3	Q4	Q1	Q2	Q3	Q4

Analytics discoverability
- UPD Data Quality Framework
- Metadata analysis on vet data source catalogue
- ● ASU sale & use data

Governance and literacy
- Knowledge transfer and development of expertise
- Big data usability for crisis and health threats
- Support to research initiative
- Deliver Big Data training curricula through EUNTC (V+H)
- Survey EMRN training needs

Stakeholder engagement
- Ad-hoc workshop on prioritized Use Cases (TBC as necessary)
- ● 4th Vet Big Data stakeholder forum

■ Analytics discoverability   ■ Governance and literacy   ■ Stakeholder engagement

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Workstream Description

Analytics discoverability

The analytics discoverability workstream encompasses activities related to data discoverability, data quality standardisation and representativeness and examines the use and implementation of sustainable analytics capabilities. Primary focus is given to the enhancement of the UPD data quality and completeness by releasing the UPD Data Quality Framework. Whilst developing the Vet data source catalogue as result of the data landscape analysis, progress on the VMP data profiling will be made to enable analytics capabilities in VMP, pharmacovigilance and AMR.

Key milestones:

Q1 2023	UPD Data Quality Framework launch
Q1-Q2 2023	Data Landscape analyses research project launch and contract set-up
Q4 2023	veDDRA data profiling established
Q1 2024	Antimicrobials Sales and Use database go-live
Q1- Q2 2024	Metadata analysis research project design
Q2 2024	Vet data source catalogue compile

Governance & literacy

The EU Vet Data hub is formally established as the reference platform to identify, prioritise, and support data initiatives and to advice on data needs of interest to the Veterinary regulatory domain. The EU Vet Data Hub will assess knowledge gaps and contribute to the development of data science training curricula increasing EU network skills and capabilities. By examining the EU network processes, the EU Vet Data Hub will support research initiatives and contribute to the advancements of vet regulatory science by defining sustainable and ethical digital solutions and promoting data-driven practices based on real world evidence.

Key milestones:

Q2 2023	Establishment of the EU Vet Data Hub and development of Terms of Reference
From Q1 2023	Support to research initiatives
From Q1 2023	Analysis and prioritise the use cases to support vet regulatory activities
Q4 2023	Review of the training curricula through EUNTC
From Q1 2024	Contribute to the survey on EMRN training needs
From Q3 2024	Assess big data usability for crisis and health threats monitoring

Stakeholder engagement

Engagement with stakeholders and leveraging the work of external parties remain critical to delivering the activities proposed by this workplan. Therefore, EMA and HMA will continue organising veterinary big data stakeholder forums each year for all interested parties and additional ad-hoc workshops and webinars as the need is identified.

Key milestones:

Q2 2023	Launch of the EU Veterinary Big Data webpage
From Q2 2023	Report on Vet Big Data progress within the EMA Vet newsletter
Q4 2023	Vet Big Data Stakeholder Forum
Q4 2024	Vet Big Data Stakeholder Forum

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