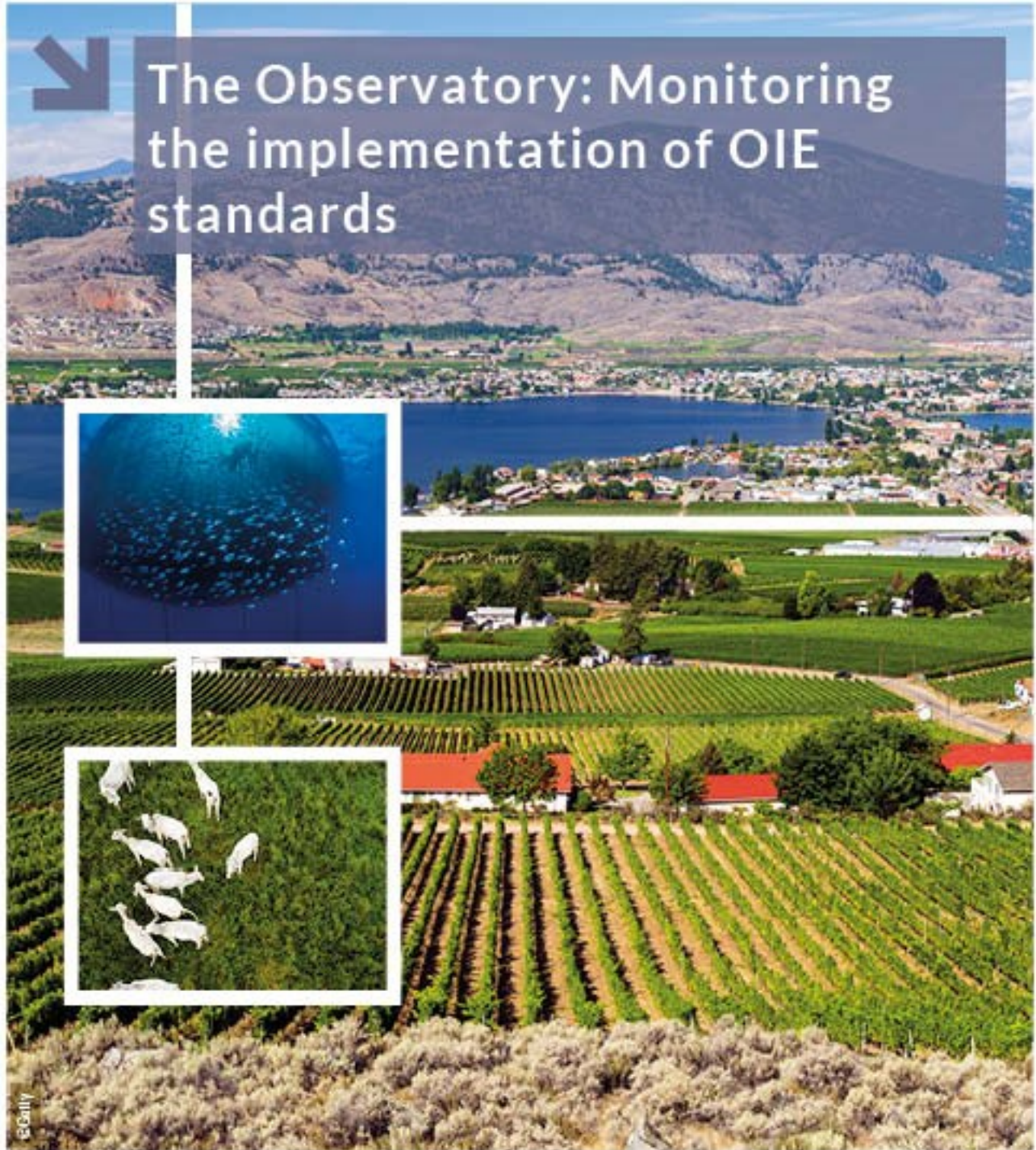


PANORAMA

Thematic portfolio



PERSPECTIVES

DOSSIER

AROUND THE WORLD

DOSSIER

Shining a light on laboratory sustainability

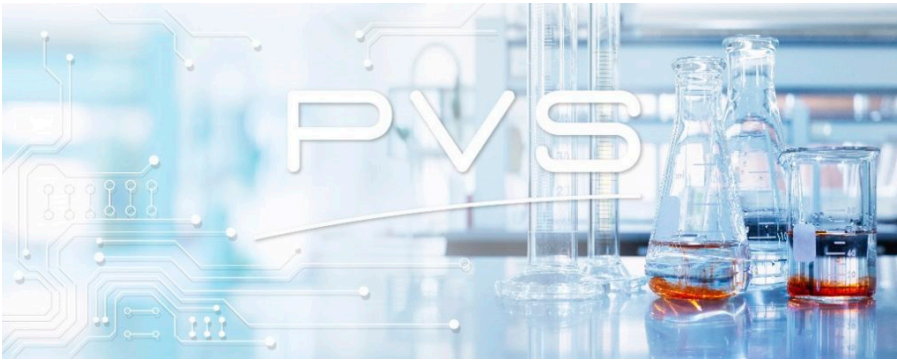
Links to the PVS Pathway and the OIE Observatory

KEYWORDS

#data management, #laboratory, #OIE Observatory, #OIE PVS Pathway, #sustainability, #World Organisation for Animal Health (OIE).

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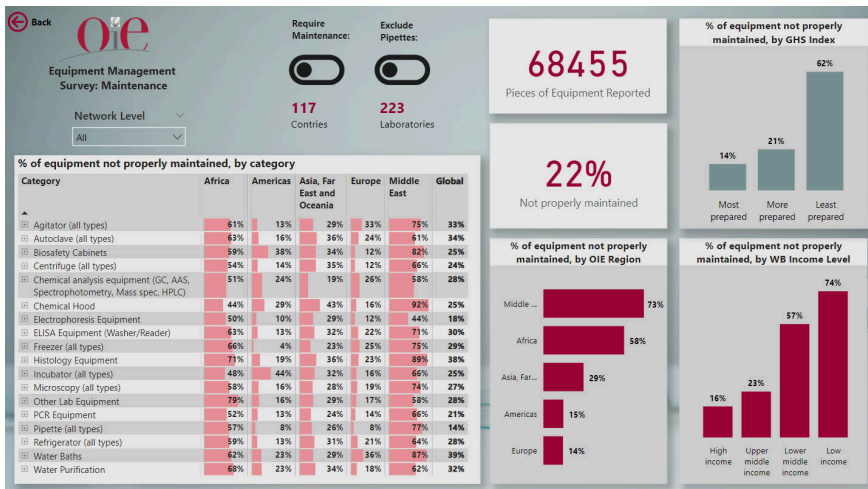
The World Organisation for Animal Health (OIE) collects a lot of information and data from Members. The [OIE Observatory](#), supported by the OIE's digital transformation strategy, will bring 'dark data'⁽¹⁾ into the light.

Thanks to the generous support of Global Affairs Canada, data from the [OIE-PVS Laboratory missions](#) are being harnessed to gather evidence about challenges to laboratory sustainability. These insights will enlighten Members and the OIE on how we can improve laboratory sustainability around the world. This activity contributes to the OIE Observatory's mission to better understand and monitor the implementation of [OIE international standards](#), mainly by placing the evidence centre stage.

Evidence on the implementation of OIE international standards by Members, relevant to laboratories, is easier to access and update

Data visualisation, Web portals, and electronic forms will allow more dynamic monitoring of the implementation of OIE international standards; in particular, Part 1 of the OIE *Manuals* [1, 2] and the chapters of the OIE *Codes*

relevant to laboratory practice [3, 4].



Excerpt of the OIE Equipment Management Survey (2019) dynamic dashboard on maintenance status of animal health laboratory equipment globally. Visualisations like this can help to pinpoint small and big insights to build our evidence for laboratory sustainability, quality, safety, and security.

Outputs from the Sustainable Laboratories Tools, currently under development, will provide insights which can facilitate trade negotiations, audits, and PVS evaluations. This approach will also allow Members the opportunity for self-evaluation by democratising access to PVS Pathway tools and analysing dynamic trends.

Evidence on the performance of laboratory systems can be used for the evaluation of PVS Critical Competencies

Insights provided by the PVS Laboratory missions (the first to be delivered 100% virtually in March 2021) should make data entry easier, and provide better-quality data, greater understanding, seamless continuity of data throughout the PVS Pathway, and increased access for more Members.

With the digitalisation of the PVS Laboratory methodology and data, PVS Experts and Members can make full use of these data and tools beyond the PVS Laboratory mission, and can better determine the level of advancement of Veterinary Services for those PVS Critical Competencies relevant to laboratories.

Evidence can inform advocacy for appropriate investment in sustainable laboratory systems

Evidence-based policies and decision-making are more essential than ever, since the COVID-19 pandemic has shown the importance of laboratory preparedness and sustainability. Investments will need to be carefully considered for long-term improvements and should focus on sustainable performance, quality, safety, security,

and competency.

Using this approach, the OIE can ensure that the standards it develops are relevant and fit for purpose, and that the OIE's capacity-building efforts are more effective at meeting its Members' needs.

(1) Dark data: 'Information that is collected but not yet used to derive insight for decision making'. *Source:* Wikipedia (2020). https://en.wikipedia.org/wiki/Dark_data.

<https://doi.org/10.20506/bull.2021.2.3286>

REFERENCES

1. World Organisation for Animal Health (OIE) (2021). - Part 1. General standards. *In* [Manual of Diagnostic Tests and Vaccines for Terrestrial Animals](#).
2. World Organisation for Animal Health (OIE) (2021). - Part 1. General provisions. *In* [Manual of Diagnostic Tests for Aquatic Animals](#).
3. World Organisation for Animal Health (OIE) (2021). - [Terrestrial Animal Health Code](#).
4. World Organisation for Animal Health (OIE) (2021). - [Aquatic Animal Health Code](#).

The OIE is an international organisation created in 1924 with a mandate from its 182 Members to improve animal health and welfare. Its activities are permanently supported by 329 centres of scientific expertise and 13 regional offices with a presence on every continent.



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