

A PRACTICAL MANUAL FOR ONE HEALTH STUVEILLANCE DASHBOARDS

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Within Work Package 6 of the OHEJP MATRIX project, we are constructing an online manual for design and implementation of interactive One Health Surveillance dashboards using primarily open-source tools. It will provide guidance on major aspects that need to be considered when building an OHS dashboard and serve as a companion through the whole development process. The manual will also contain an inventory of existing dashboards, to contextualise the provided information through real-life examples.

METHODS

The manual is produced as a joint effort by members of the MATRIX consortium, ensuring that the content rests on a base of extensive knowledge and experience – both in health surveillance and web development. Text is produced in an iterative process of drafting, discussion, feedback, and publication. The inventory of existing dashboards is filled out by the members individually and reflects planned, ongoing or finished projects at the member institutes. The manual is published as a public website served by an open GitHub repository which ensures stability and invites external contributions.

RESULTS

- A publicly available step-by-step manual and best-practice guide for OHS dashboards
- A “living document” which can be updated, ensuring usability and sustainability – now and in the future

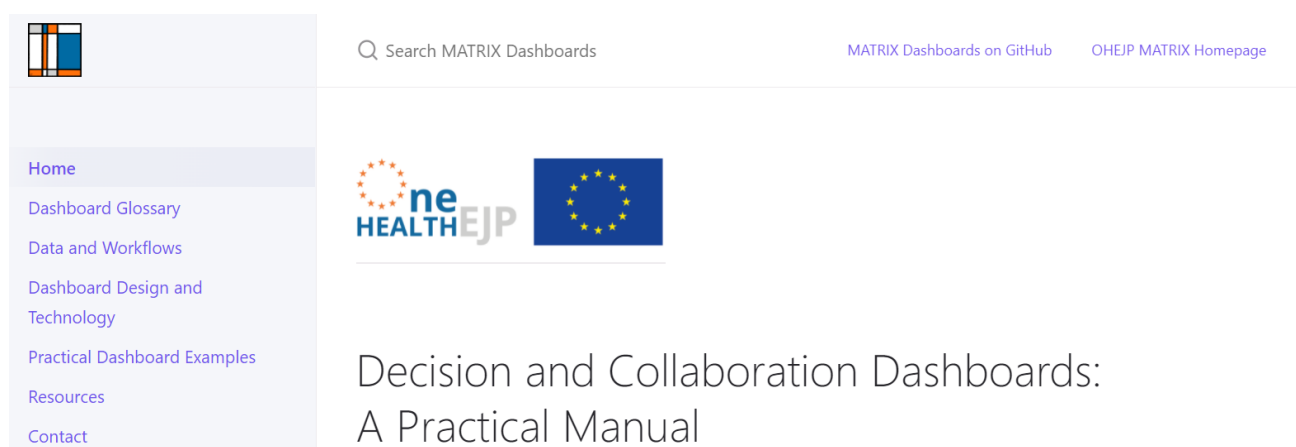


Fig 1. The home page of the dashboard manual, as of March 2022. It is already available (as a work in progress) at <https://sva-se.github.io/MATRIX-dashboards/>.

The manual will provide guidance on information context and end-user considerations, potential barriers of data sharing, possible pitfalls and biases when co-analysing OH data, and choosing the most suitable technical solution based on the available data, resources and technical knowledge. A glossary of dashboard and web terminology will also be included, as well as a comprehensive list of existing dashboard projects, complemented by source code or links when possible.

CONCLUSION AND PERSPECTIVES

When the MATRIX project concludes in late 2022, the manual will be a useful resource for anyone involved in surveillance, regardless of their previous technical knowledge, who wishes to implement dashboards in their practice as a tool to improve One Health collaboration, decision-making and communication. We hope that it will live on and keep evolving after the end of MATRIX, and that it will become the obvious starting point for any and all OHS dashboard projects.