

# A NEW DATA COLLECTION SYSTEM FOR EPILABO THE NETWORK OF SENTINEL LABORATORIES

V. Stouten<sup>1</sup> • P. Hubin<sup>1</sup> • M. Pauwels<sup>2</sup> • A. Van Laer<sup>1</sup> • Y. Dupont<sup>1</sup> • J. van Loenhout<sup>1</sup> • R. Brondeel<sup>1</sup> • D. Van Cauteren<sup>1</sup>

<sup>1</sup> Department of Epidemiology and Public Health, Sciensano, Brussels, Belgium

<sup>2</sup> Healthdata.be, Sciensano, Brussels, Belgium

**Epilabo** = network of sentinel clinical microbiological laboratories.

- Since 1983, coordinated by Sciensano
- Voluntary participation to submit diagnostic data weekly
- For more than 40 pathogens

## Lessons learned from COVID-19 pandemic

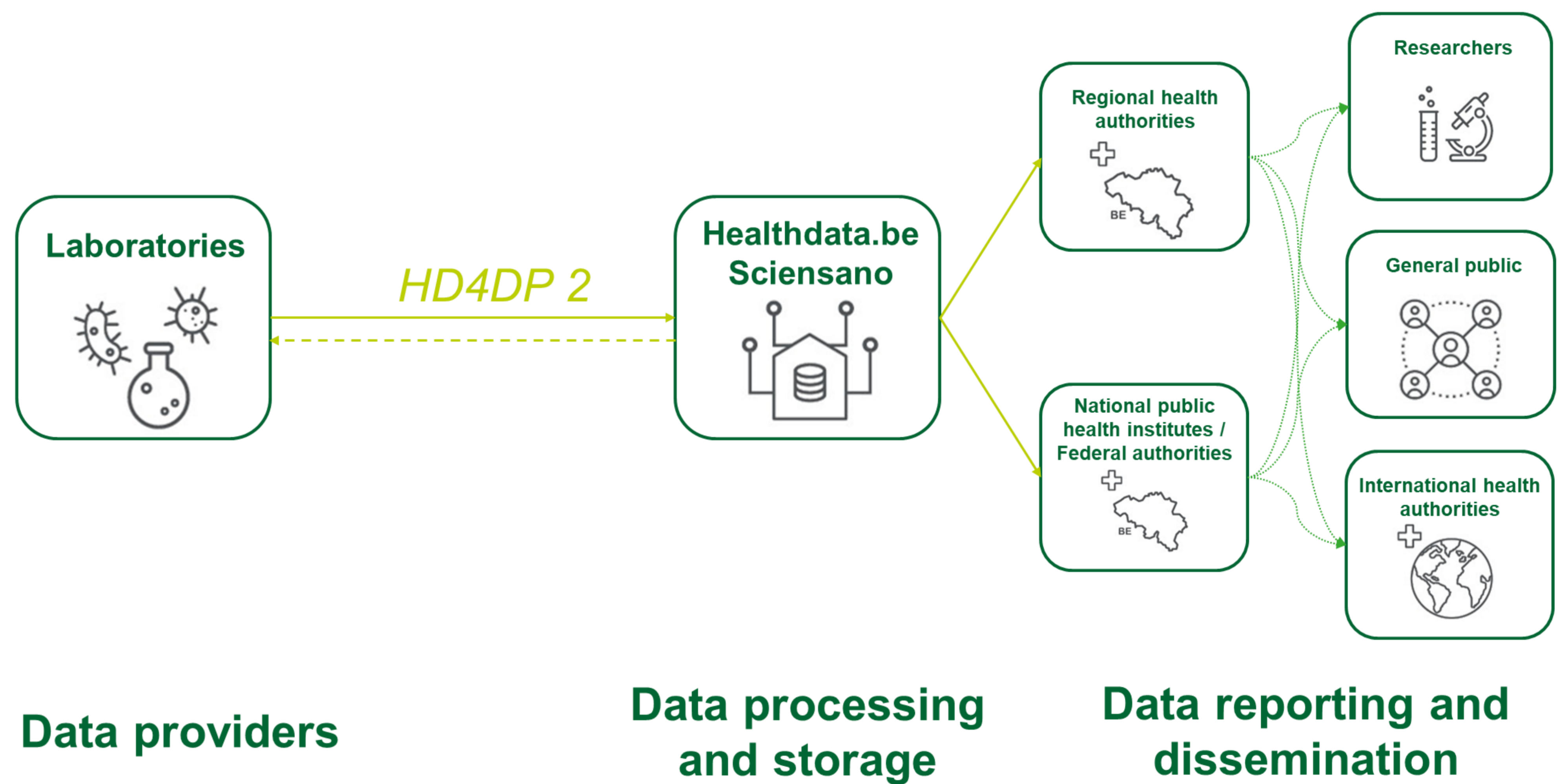
Need for robust, digital system for timely data collection of laboratory test results at national level for surveillance

### Objectives:



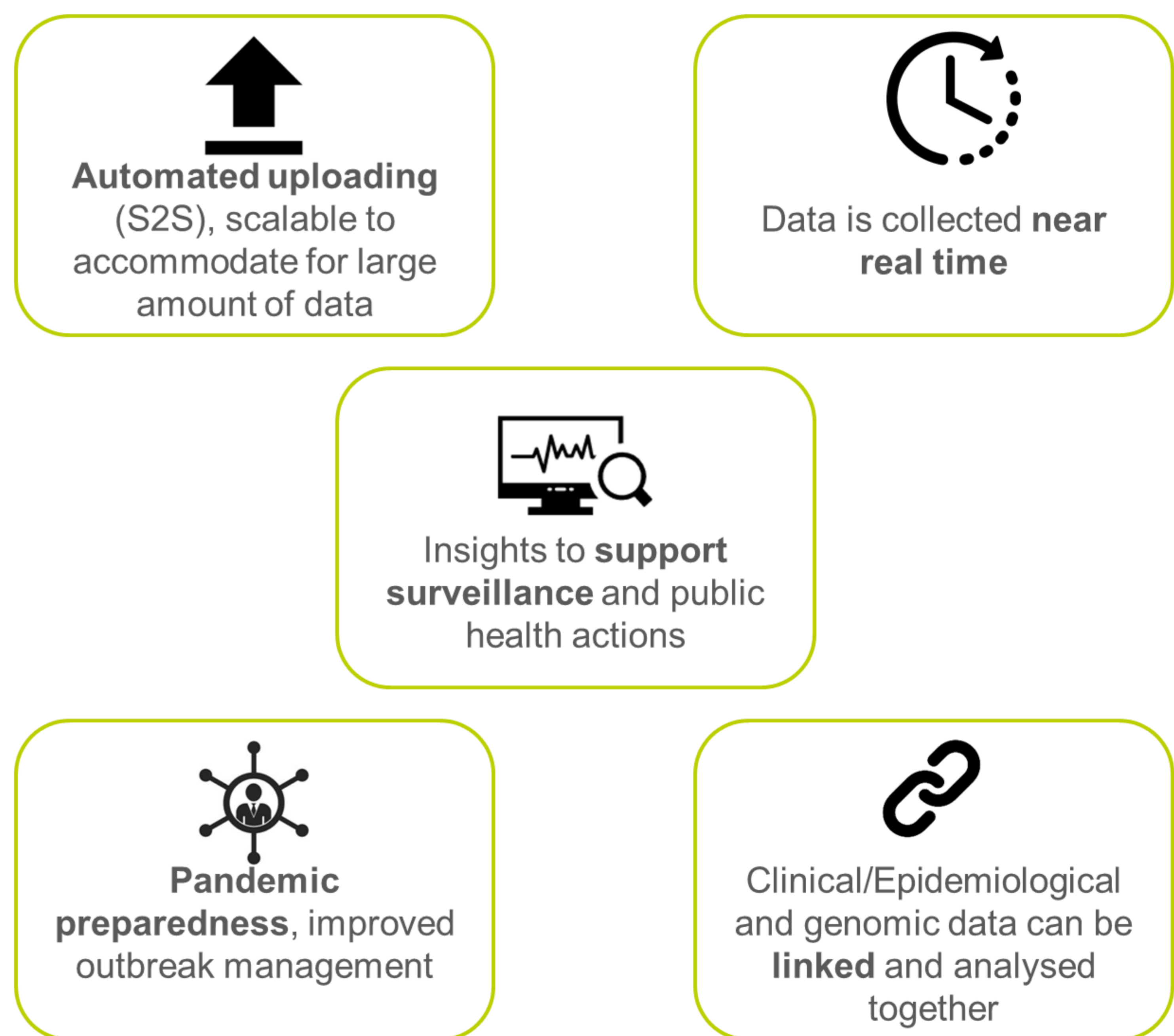
- Harmonizing data collection method
- Improving quality of collected data
- Improving data security and integrity
- Providing feedback to participating laboratories
- Improving pandemic preparedness

## The new data collection system for EPILABO via Healthdata.be platform:



### Key aspects of the new data collection:

- Gathering and storing of laboratory test results in a **central** database on Healthdata.be
- **System-to-system (S2S)** data transfer in bulk via the new HD4DP 2.0 application
- Use of **standardized** LOINC and SNOMED-CT codes
- **Transmission** possible in real-time to partners, such as regional health authorities
- Real-time validation of records with **automated feedback & customized reporting** towards the participating laboratories based on the data uploaded
- Possibility for **data linkage**



Acknowledgments to all participating laboratories



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