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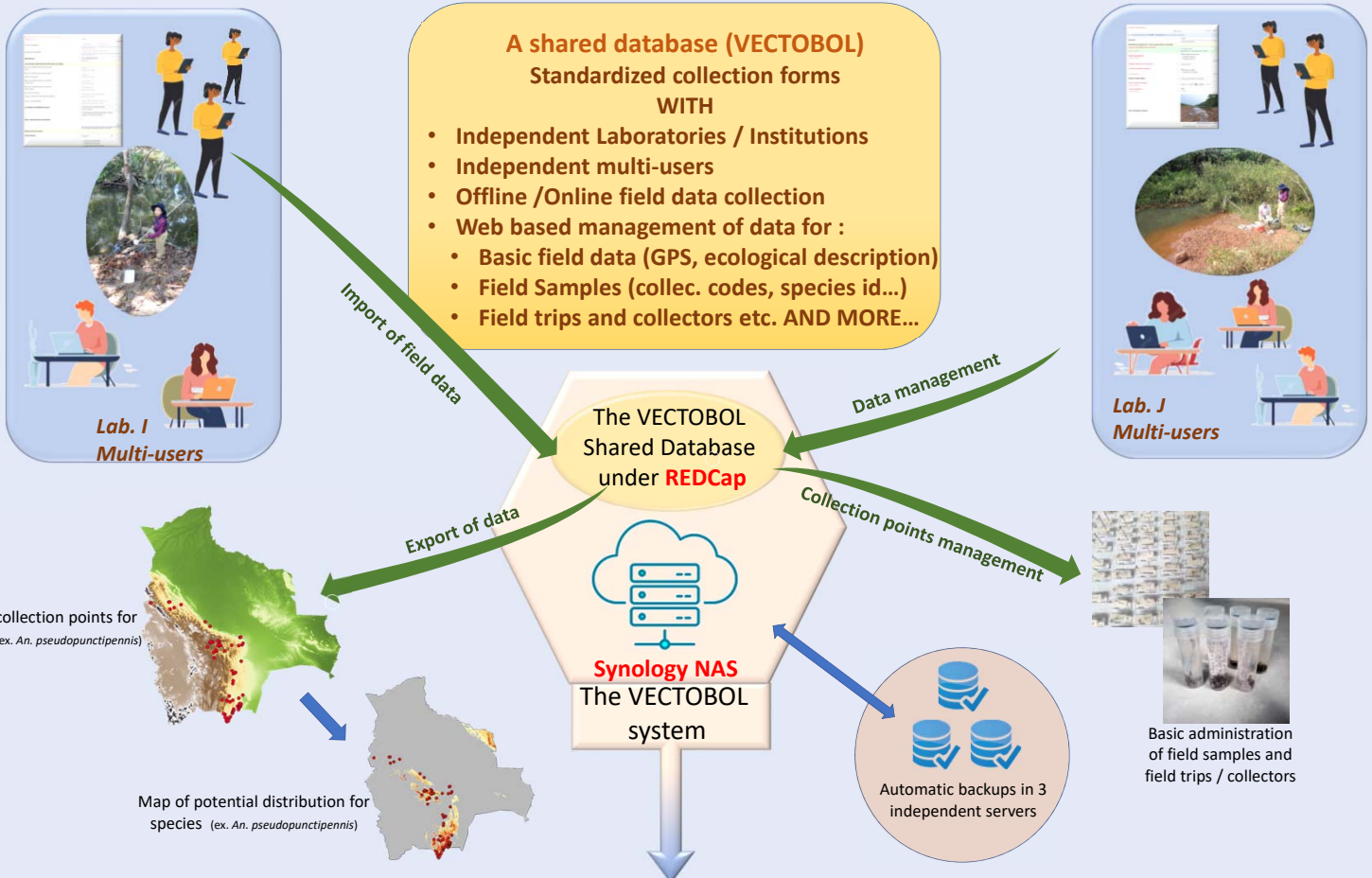
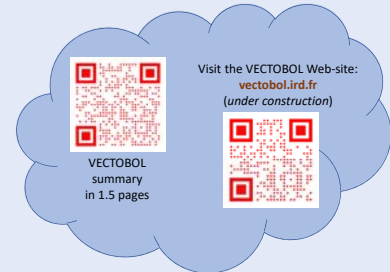
VECTOBOL

An Initiative Investigating Vector Biodiversity in Bolivia that could inspire European laboratories

Frédéric LARDEUX¹, Thierry VALERO¹, Bruno GRANOULLAC^{1,2}, Claudia ALIAGA³, Lineth GARCIA⁴

Bolivia, a megadiverse country, hosts hundreds of species of pathogen-vector insects, including malaria, Chagas disease, and Leishmaniasis vectors. Despite extensive data collection by government health agencies, much of this **data and the collected specimens** are at risk of being lost due to inadequate preservation.

In response, the **VECTOBOL initiative** was launched to **preserve crucial data on vector insect samples** and promote the conservation of collected specimens in laboratory collections.



The **VECTOBOL system** is based on **affordable and easy-to-implement hardware and software**, and could therefore be considered as low-cost science—an advantage for laboratories / countries with limited resources:

- A **Synology NAS** (Network Attached Storage), a specialized data storage device designed to provide centralized storage for multiple users or devices over a network. It provides a highly flexible, secure, and scalable storage solution and benefits range from centralized data storage and automated backups to remote access and media streaming.
- The **REDCap (Research Electronic Data Capture)** system, a secure web-based application designed for building and managing online and offline databases (here, the VECTOBOL database). Its key features are a User-friendly interface, Customizable data collection entry forms, Data security, Easy project management (multiple projects, multiple users), Data Export and Import, and management of multi-Site Projects.

