

# StrainRegistry

## A central registry for microbial strains

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### Large scale culture deposition

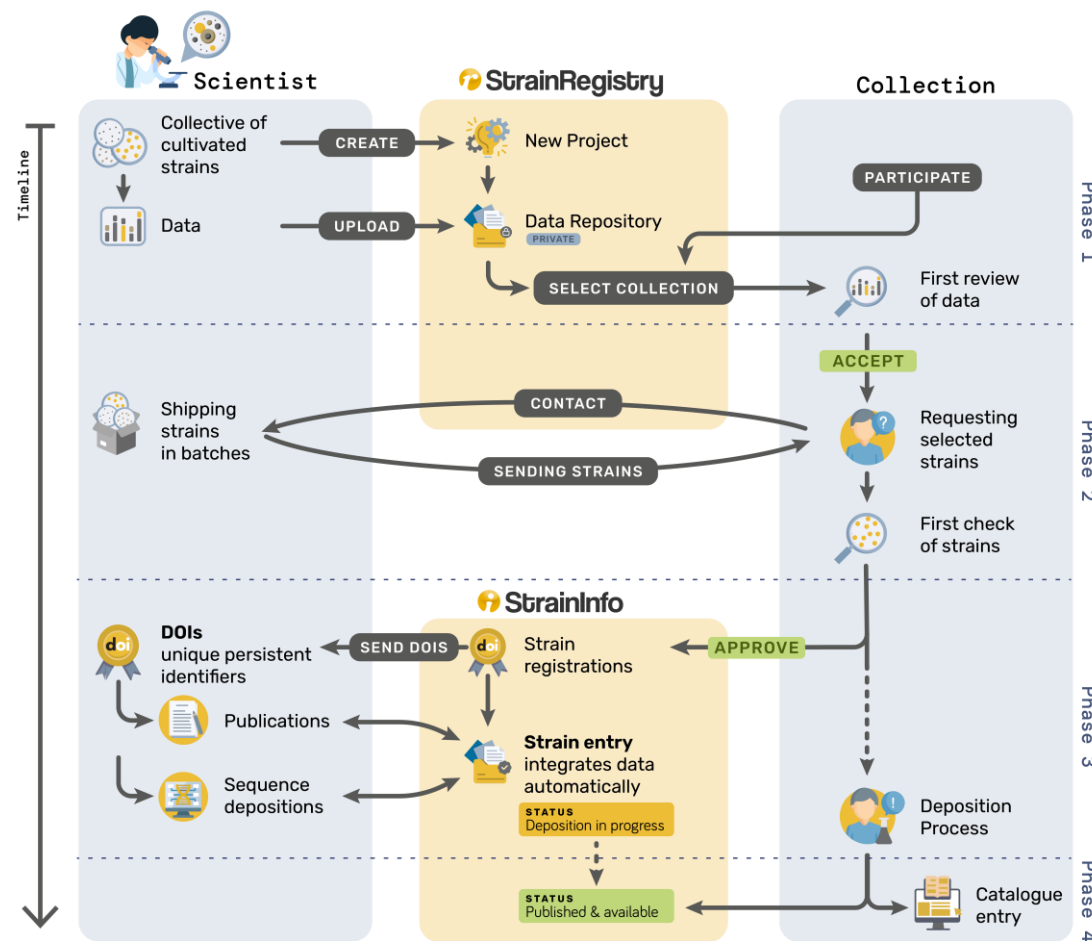
Microbiome studies generate considerable numbers of isolates. Depositing these isolates in culture collections is not only in the interest of open science, but is also required to formally name any new taxa found among them.

#### Problems:

- The deposition process is designed for single strains.
- Collections have limited capacity and have to process the strains in batches.
- Deposition in at least two collections for species descriptions.
  - Submitters have to keep track of differing strain statuses in differing systems.

#### Solution:

- A central deposition management service > **StrainRegistry**



### Revolutionizing the deposition of microbial strains

The StrainRegistry system will streamline the deposition process for large sets of strains like microbiomes. When strains are accepted for deposition by a collection, they will be integrated into StrainInfo and receive a StrainDOI.

**StrainInfo**  
Database for strain identifiers and culture details

#### Advantages:

- A user interface visualizes the deposition status of each strain and facilitates communication between depositors and curators.
- Standardized and parallel deposition in more than one collection.
- StrainDOIs enable tracking of strains and identifiers and make strain data FAIR.
- Allows direct integration of data into databases. **BacDive** **MediaDive**