

Testing Strategies for the CRISrael Community

Launched in 2023, CRISrael is an integrated national Current Research Information System (CRIS), hosted by Elsevier's **Pure**, consolidating data from nine public universities across Israel.



Implementing a Core-Up Exploratory Strategy

This testing strategy addresses deployment challenges, enhances CRISrael's reliability, and ensures compliance with strict data standards, setting it as a foundation for national budgeting. The strategy unfolds in several phases:

- **Detecting traceable Issues**- joblog errors.
- **Targeted Testing**:
 - **Infrastructure Components**- classification schemes, organizational units, and personal profiles.
 - **Content Entities**- research outputs and journals.
 - **Additional Entities**- external persons and organizations.
- **Simulations**- national reporting and budgeting calculations.



Challenges of Deploying CRISrael

- **Coordination** between nine autonomous CRIS, with diverse data sources, infrastructure, and configurations.
- **Complexity** of data aggregation synchronization and deduplication processes.
- **The novelty** of national CRISs often results in limited documentation
- **Data Management** in a nearly fully automated environment.
- **Knowledge and administrative gaps** among users from different universities.

Key Objectives

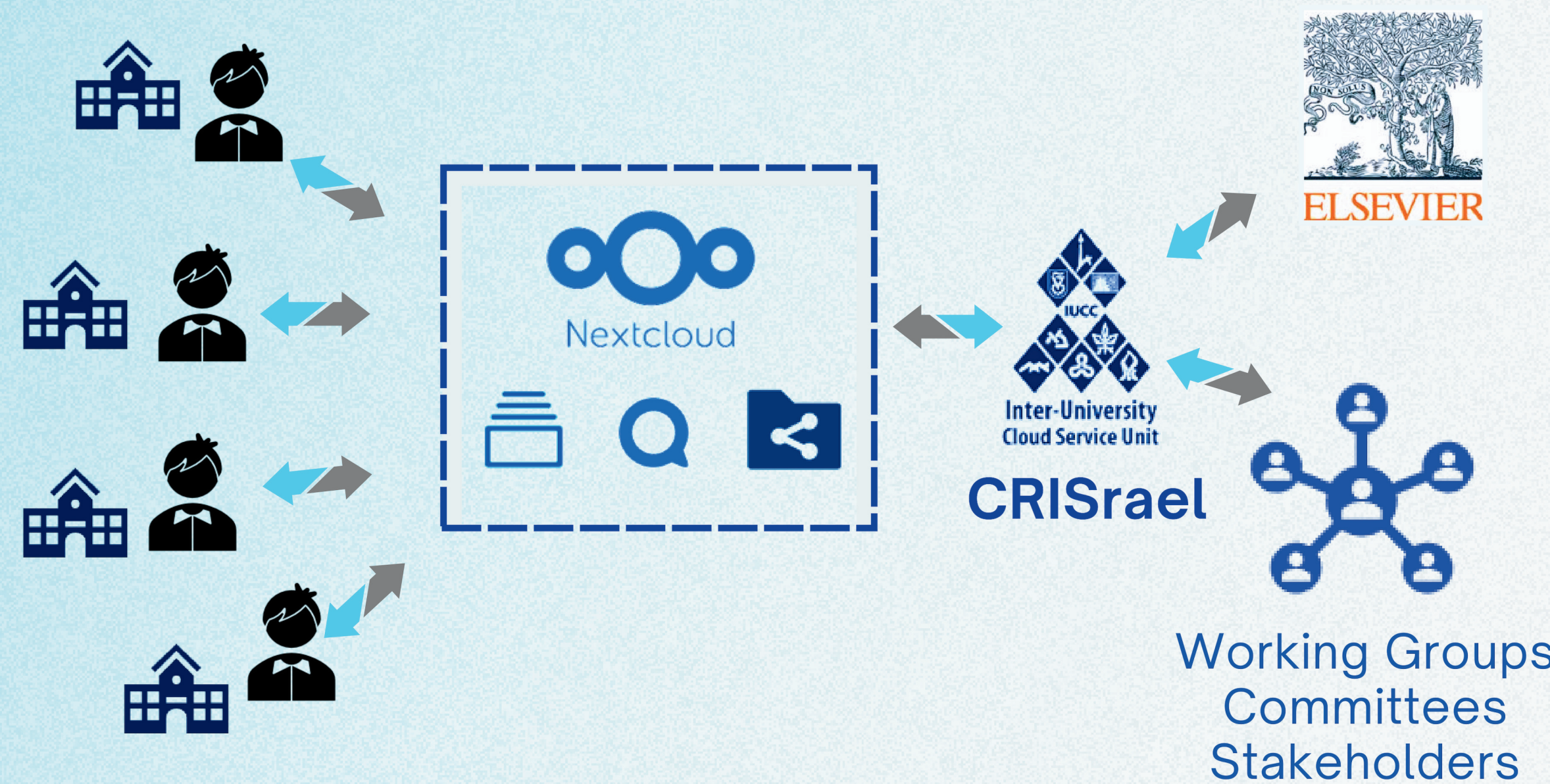
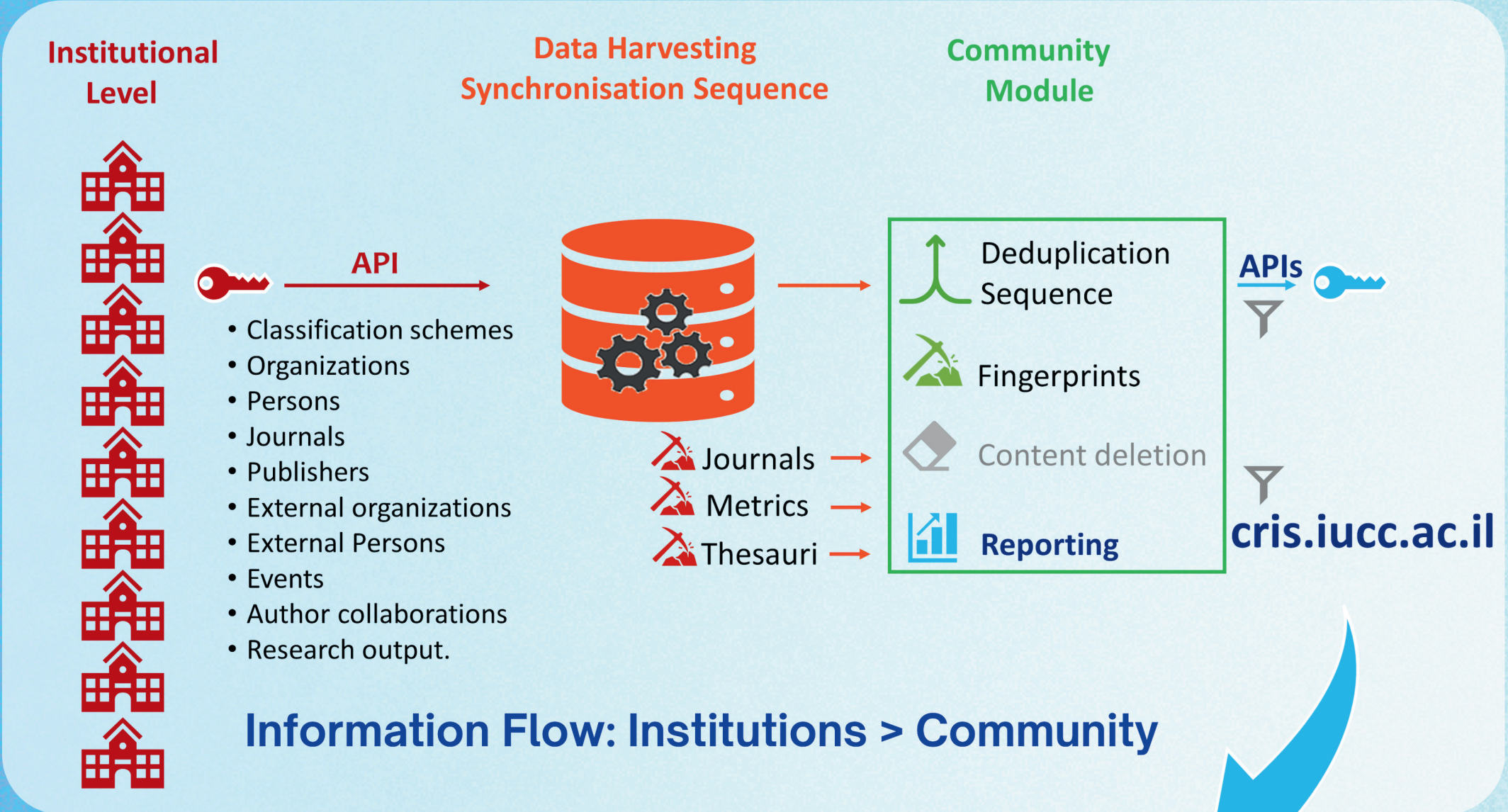
- **Fix** - Data Quality and Assurance.
- **Learn** -Knowledge Dissemination.
- **Share** - Establishing Communities of Practice (Wenger, 2010) .
- **Document** Local Knowledge and Experience.

Solutions

- Core-Up, Exploratory Testing Strategy.
- Socio-Technical Collaboration System.
- Deep Consent.

Observations

- Reduction in Legacy or Faulty Settings
- Knowledge Standardization and Maintenance.
- Increase in Inter-University Collaboration.
- Enhancement of Data Validity.



Deep Consent

Deep consent ensures institutions explicitly approve data dissemination strategies, fostering transparency and trust in data management.

- **Structural Alignment**- Institutions should validate and openly acknowledge deviations to align with agreed configurations.
- **Transparency**- Achieved by joint data quality testing and escalating issues to decision forums
- **Data Integrity**- Collaborative monitoring reports and institutional data validation uphold system integrity.

Socio-Technical Collaboration System

A system that integrates technological platforms for efficient knowledge sharing and targeted meetings with testers groups. Using **Nextcloud**, an open source platform, which features:

- **Knowledge Database**- Including shared experience.
- **Talks**- Immediate communication platform between users, including information storage.
- **Decs**- Task management system that offers clear visibility of test statuses..

Visit Us

