



EcoCRIS: Building CRISrael as Socio-Technical Ecosystem

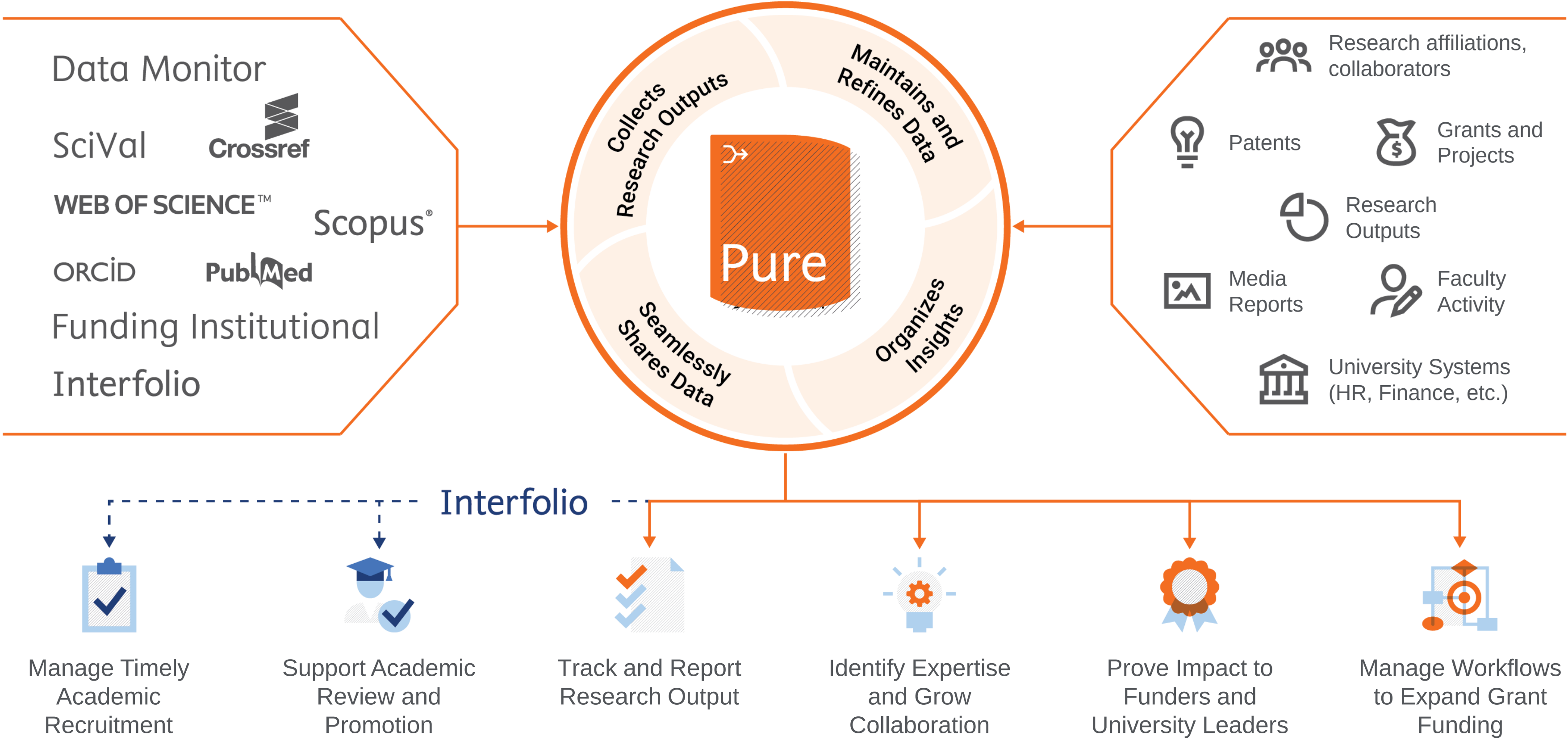
Tzipy Lazar-Shoef, Israel Inter-University Computation Center, Tel-Aviv, Israel

Zsófia Büttel, Sr Product Manager Pure Community

EARMA 2025



Institutional CRIS

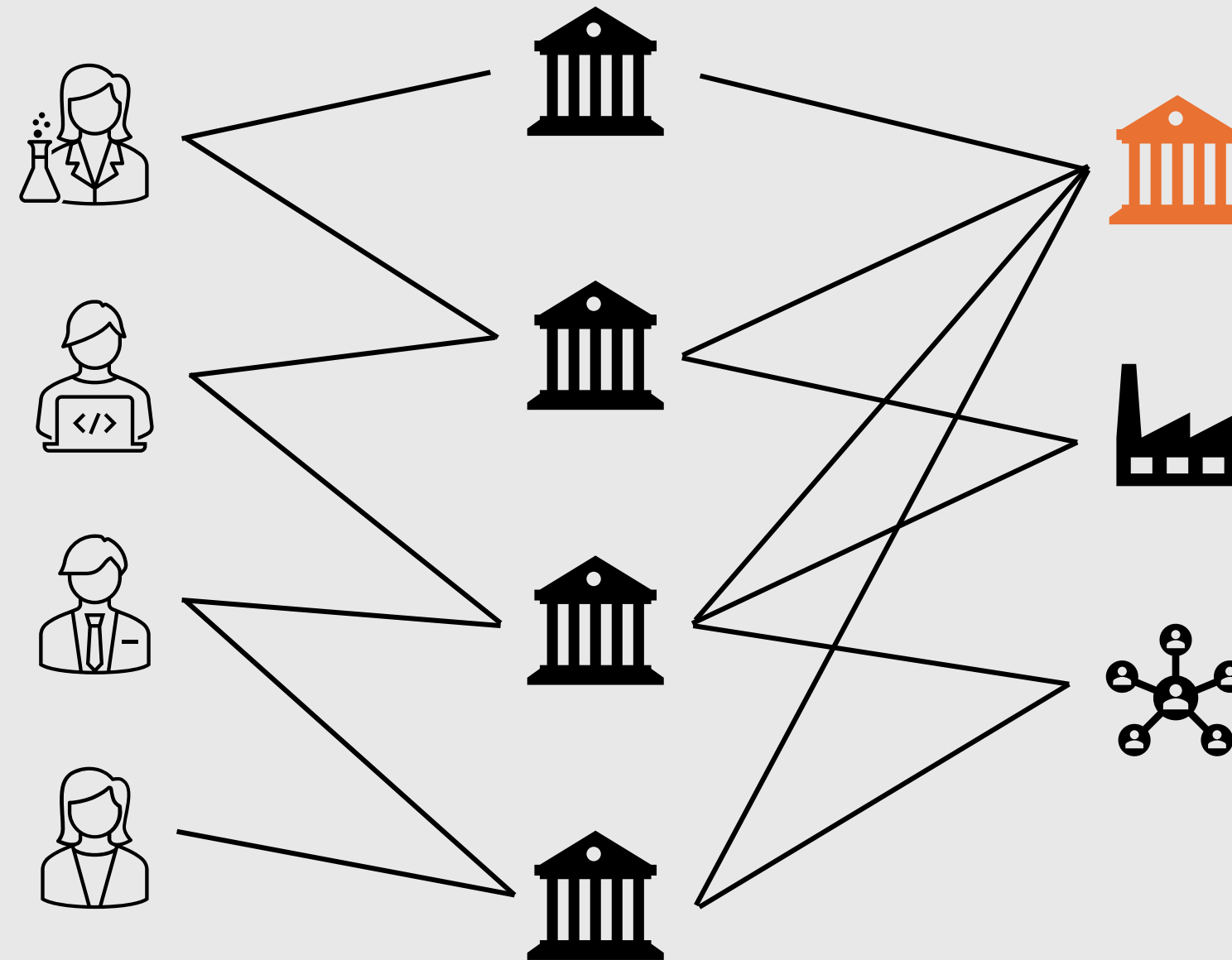


Regional/national “Research Collaboration & Innovation Infrastructure” - a common need

Addressing “**Ecosystem level**” needs, such as:

1. Increasing visibility of eco-system activity and capabilities
2. Identifying Expertise to form Collaborations
3. Enabling Assessment/Reporting
4. Support funding decisions and policy setting

A Sustainable, Strategic Backbone solution

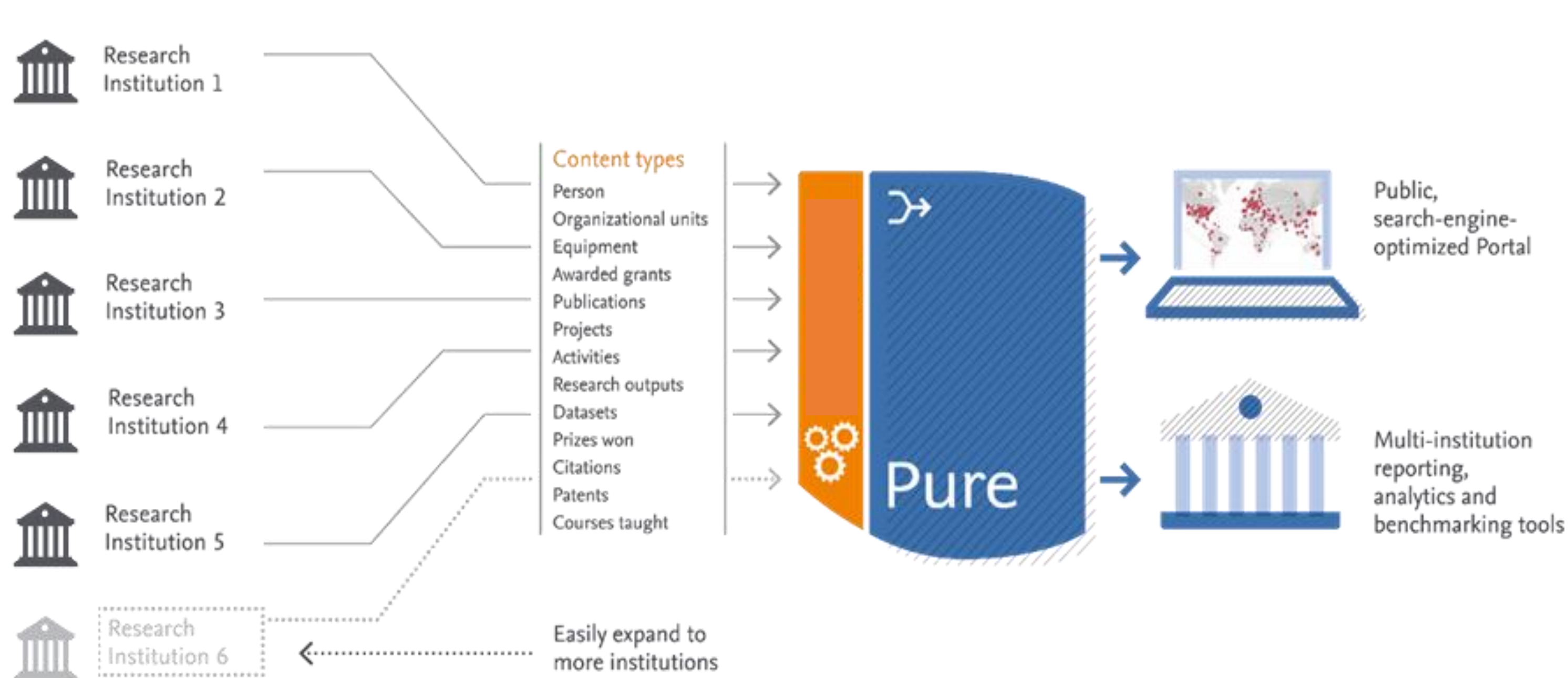


A solution that serves:

- Ministries
- Regional Gov't
- Economic Dev Agencies
- Funders
- Consortia of universities
- Researchers & PIs

Aiming to provide **current, complete, correct...** in some way validated by universities, so trustworthy data

Pure Community is a comprehensive, sustainable Research Information Infrastructure



Showcase aggregated expertise to **build collaborations** and foster **economic development**

Unlock ecosystem-level insights to **assess and improve** research performance

Aggregates complete, current and validated data from members of a **research ecosystem**

**From abiotic to biotic
components of an
ecosystem...**

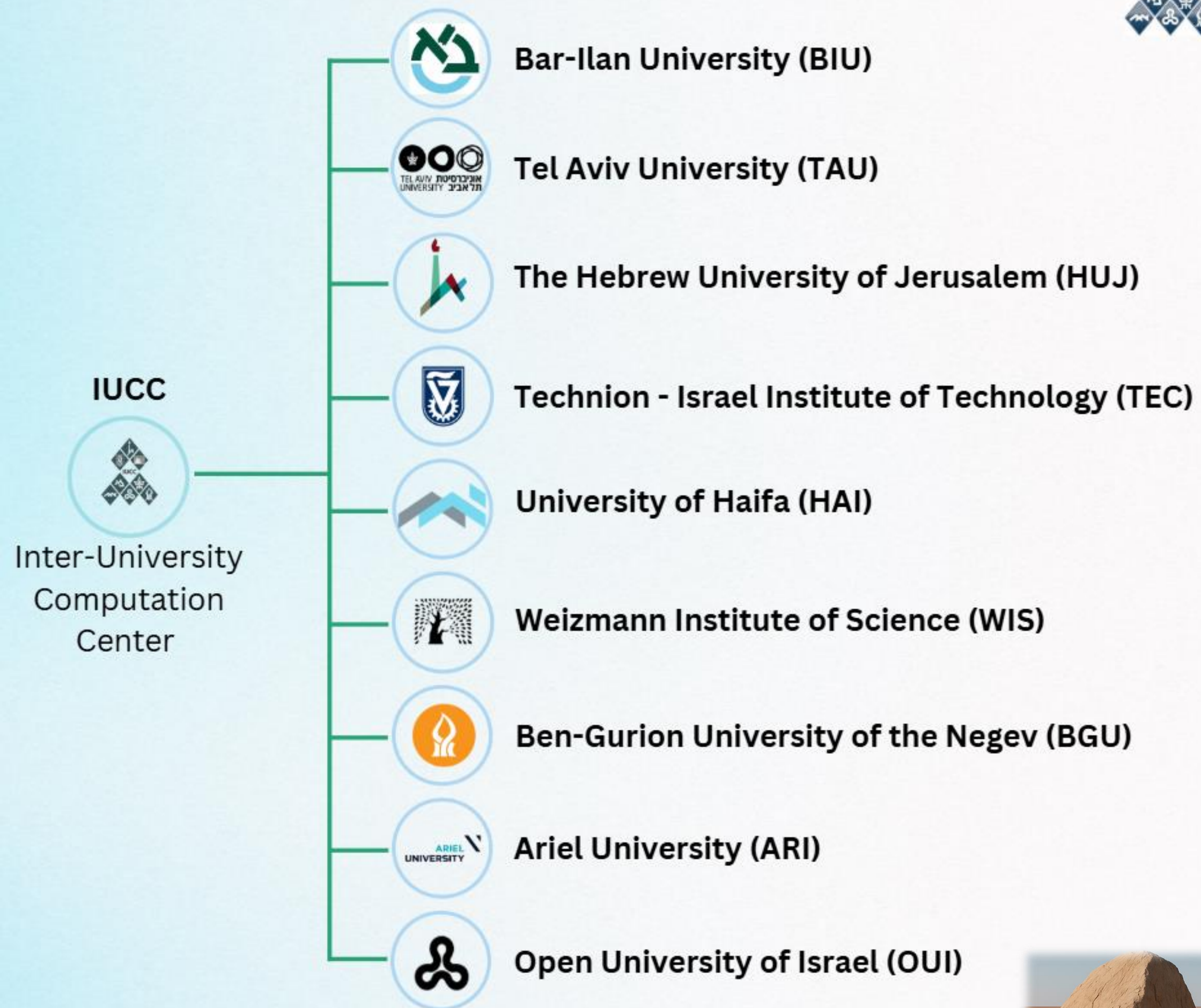




The CRISrael Ecosystem



Who We Are...



Objectives

National CRIS

Inter-university Collaborations.

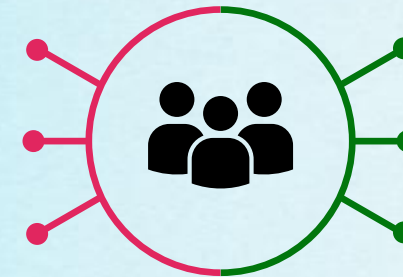
*Showcase Israel research and academia.
Industry engagement.*

*Transparency of national assessments.
Benchmarking for research performance.*

*Improved budgeting models.
Centralized automated data harvesting.
Qualitative data assessment (Provenance).*



Researchers



General Public



Universities



Regulator (PBC)

Institutional CRIS

*Research data management.
CV generator.
Personal/institutional profile.*

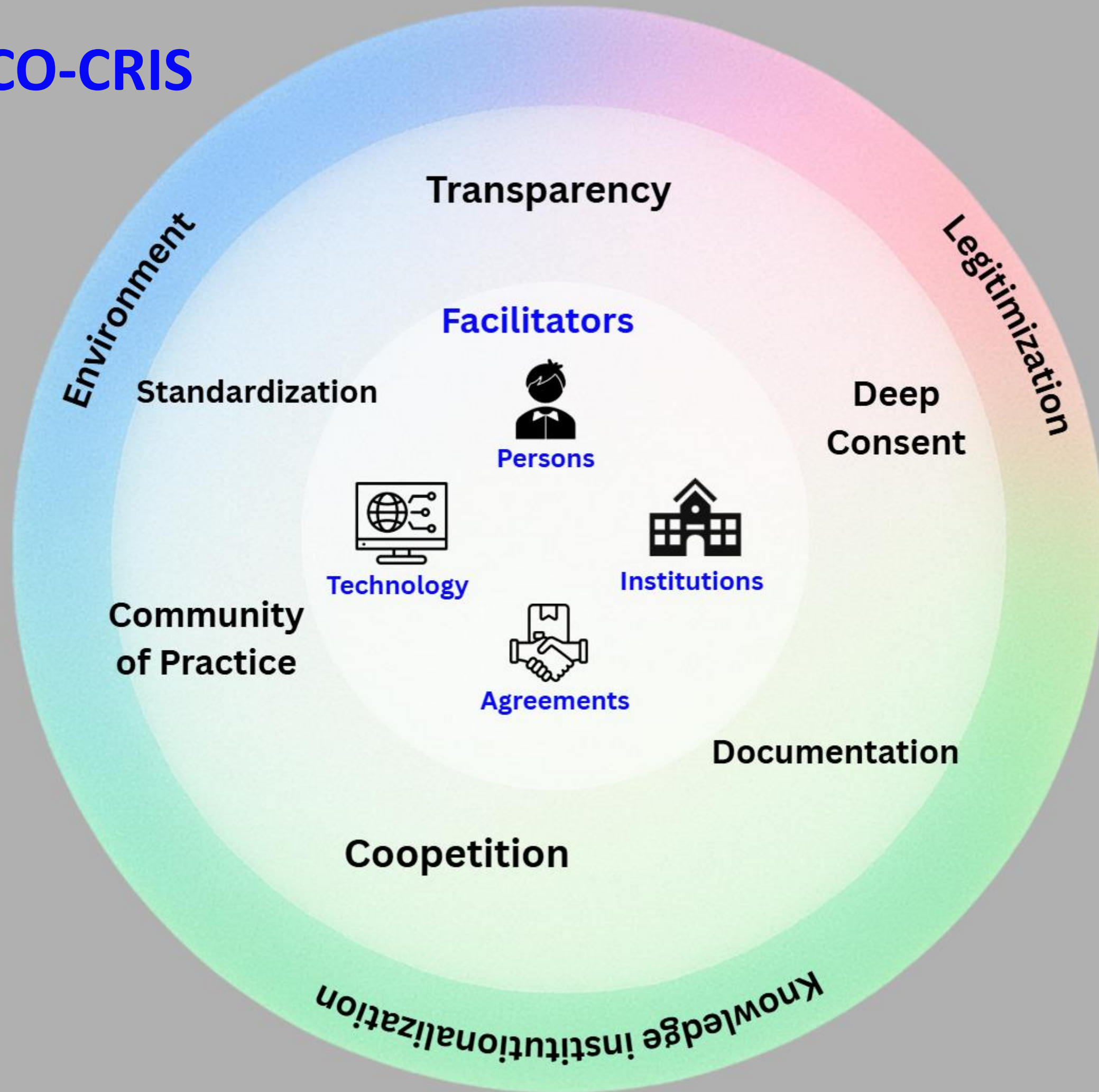
*Find supervisors.
Access to research materials and full-texts.*

*Real-time, automated assessment.
Open Access compliance.
Management of grants, patents etc.*



THE CHALLENGE
IS NOT TECHNICAL.
IT IS SOCIO-TECHNICAL.

ECO-CRIS



- **Coopetitions (Berger, 2022)** – Active, Top-down efforts for sharing knowledge and infrastructures:
 - Competitive Institutions.
 - Vendor – Client Close Collaboration
- **Standardization:**
 - Language, Classification Schemes, Configurations, Procedures .
- **Community of Practice:**
 - A Core learning group
 - Admin (IT) + Librarians
 - Circles of Learning groups
- **Transparency:**
 - Objectives, Databases, Codes, Reports, Language,
- **‘Deep’ Consent:**
 - Explicit approval(!) on each university’s data appearance.
 - Promotes transparency and Trust.
- **Documentation:**
 - Shared, Accessible, Collaborative, Immediate

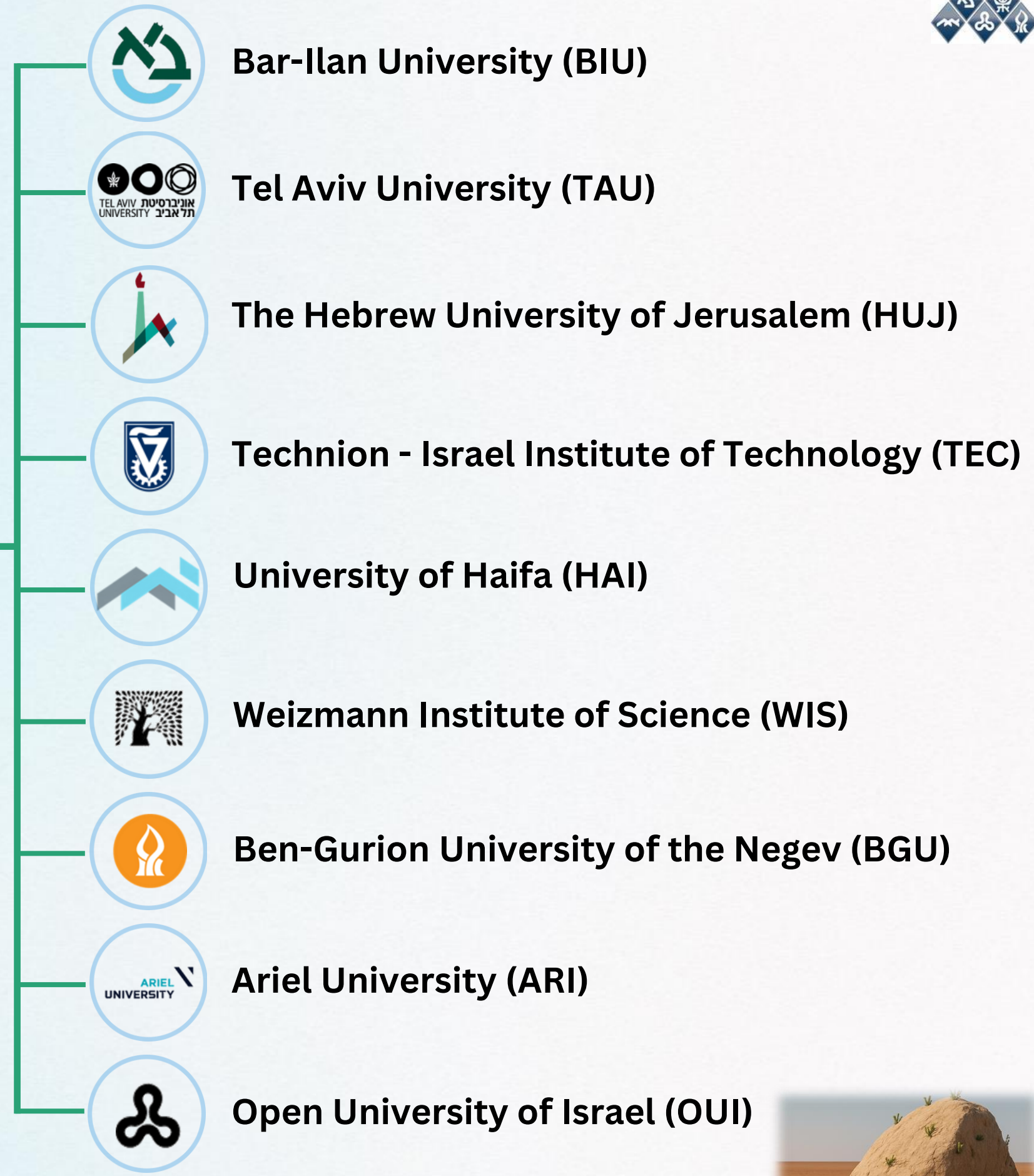


CRISrael

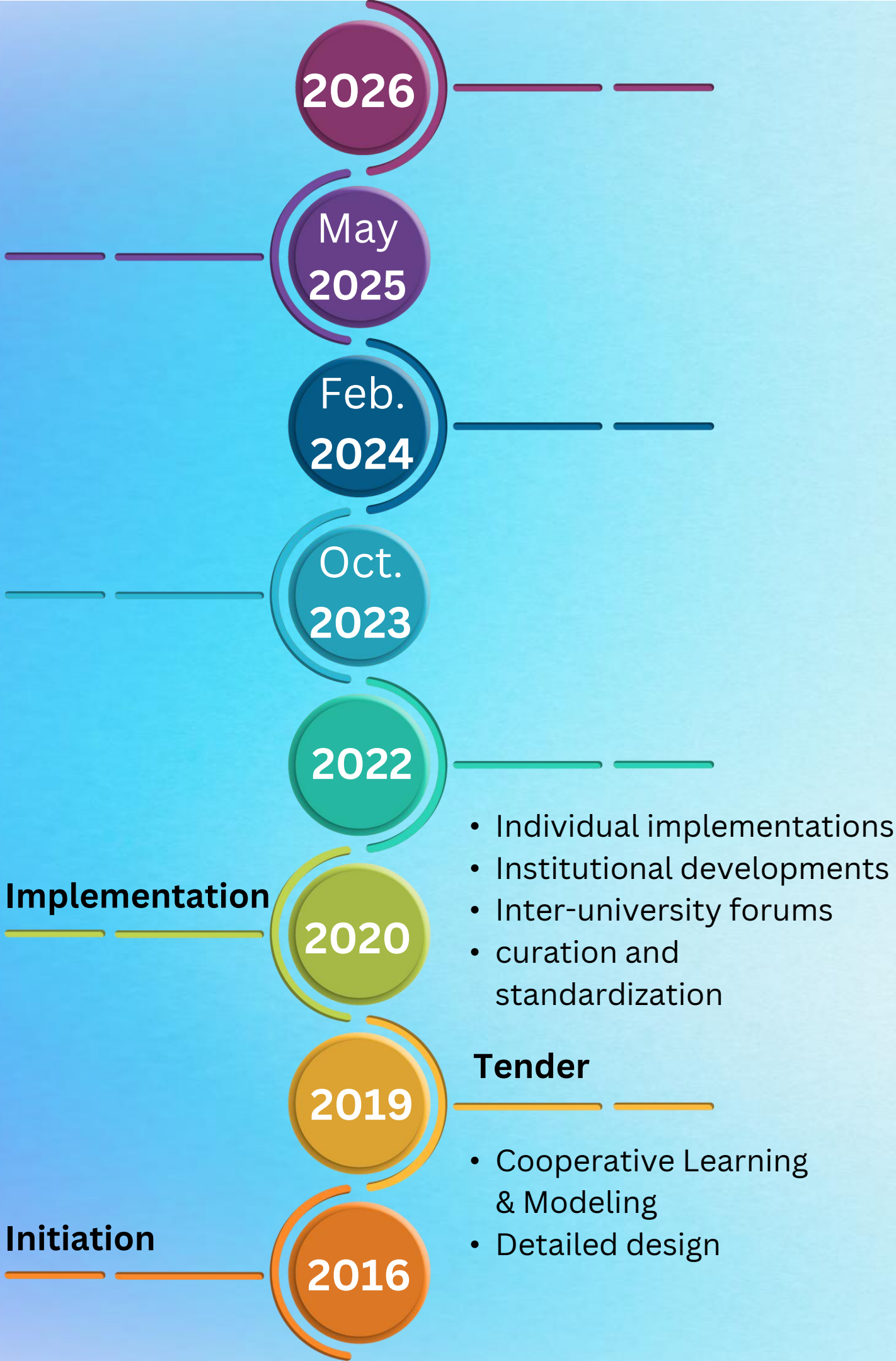


Community
Module
Pure

Individual Pure systems



Management and Coordination

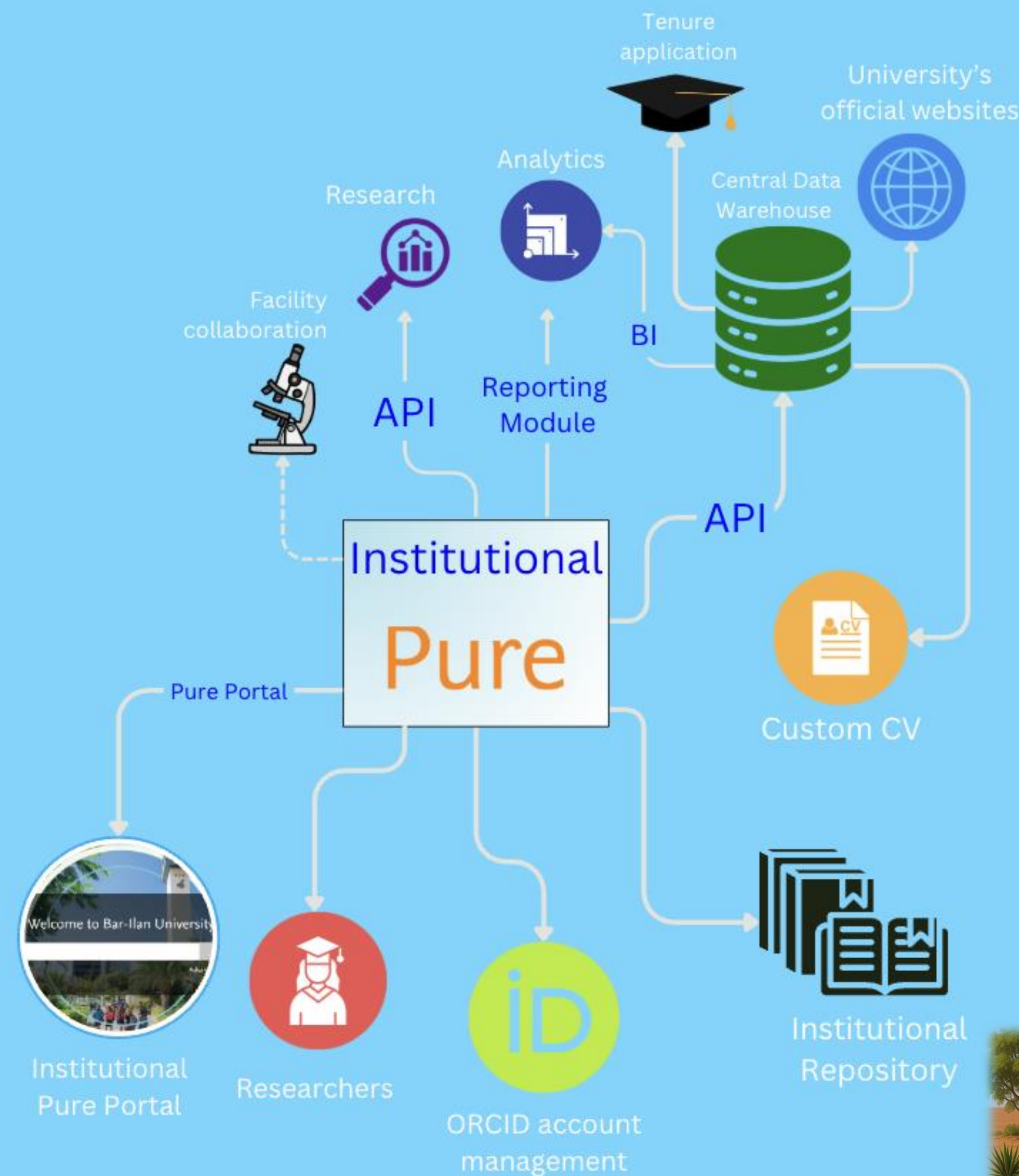


Pre-Agreed Language, aims, Configurations

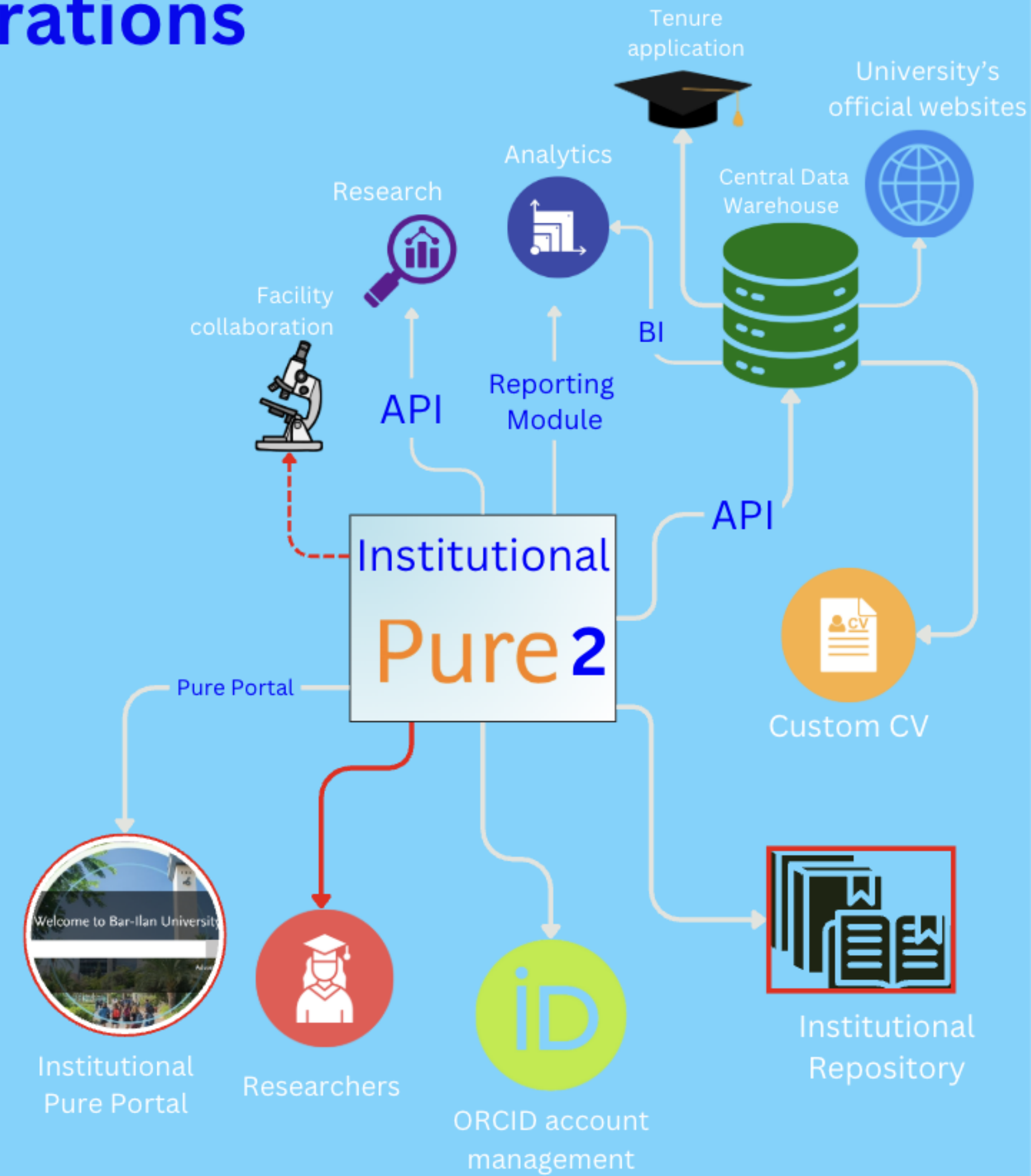
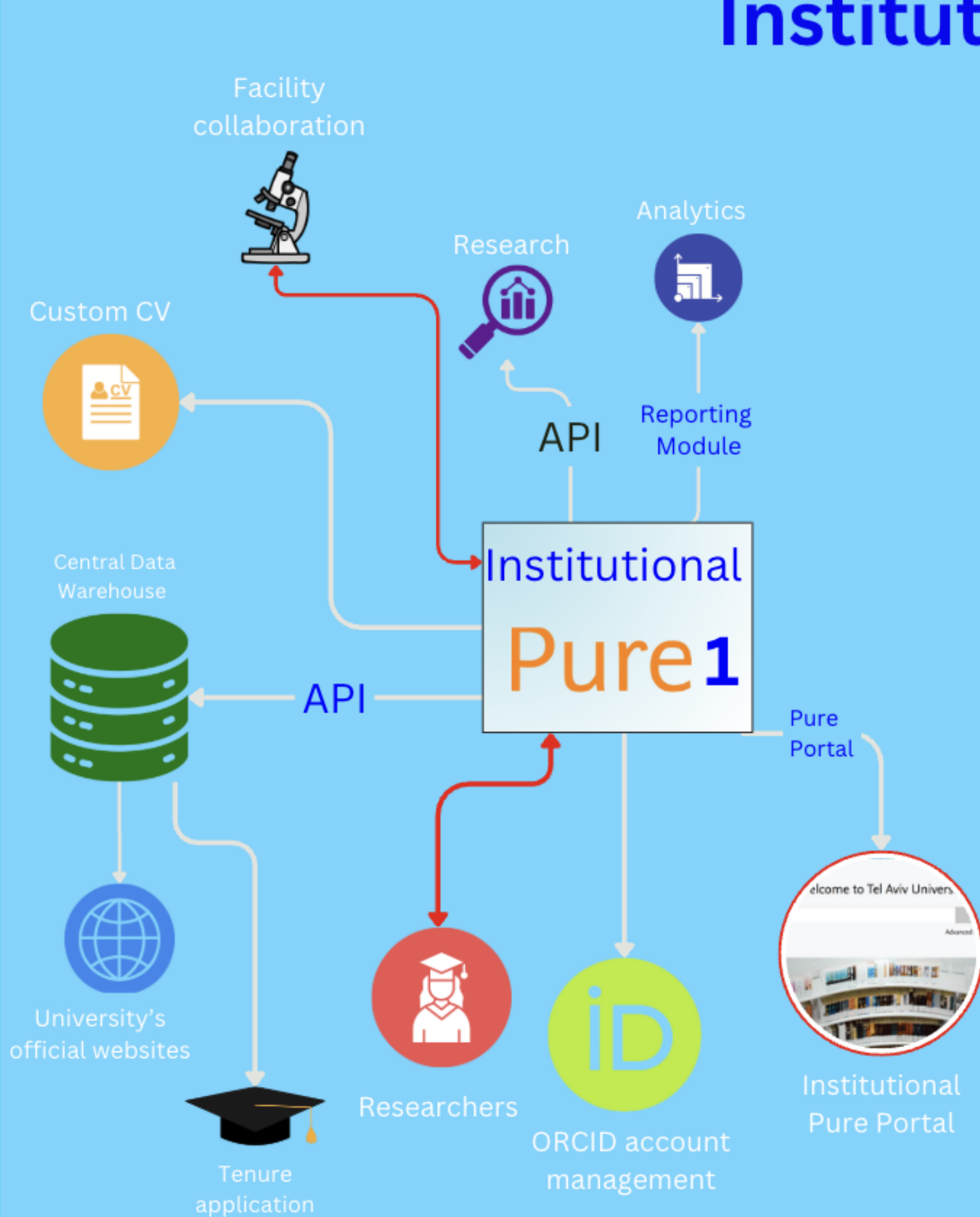


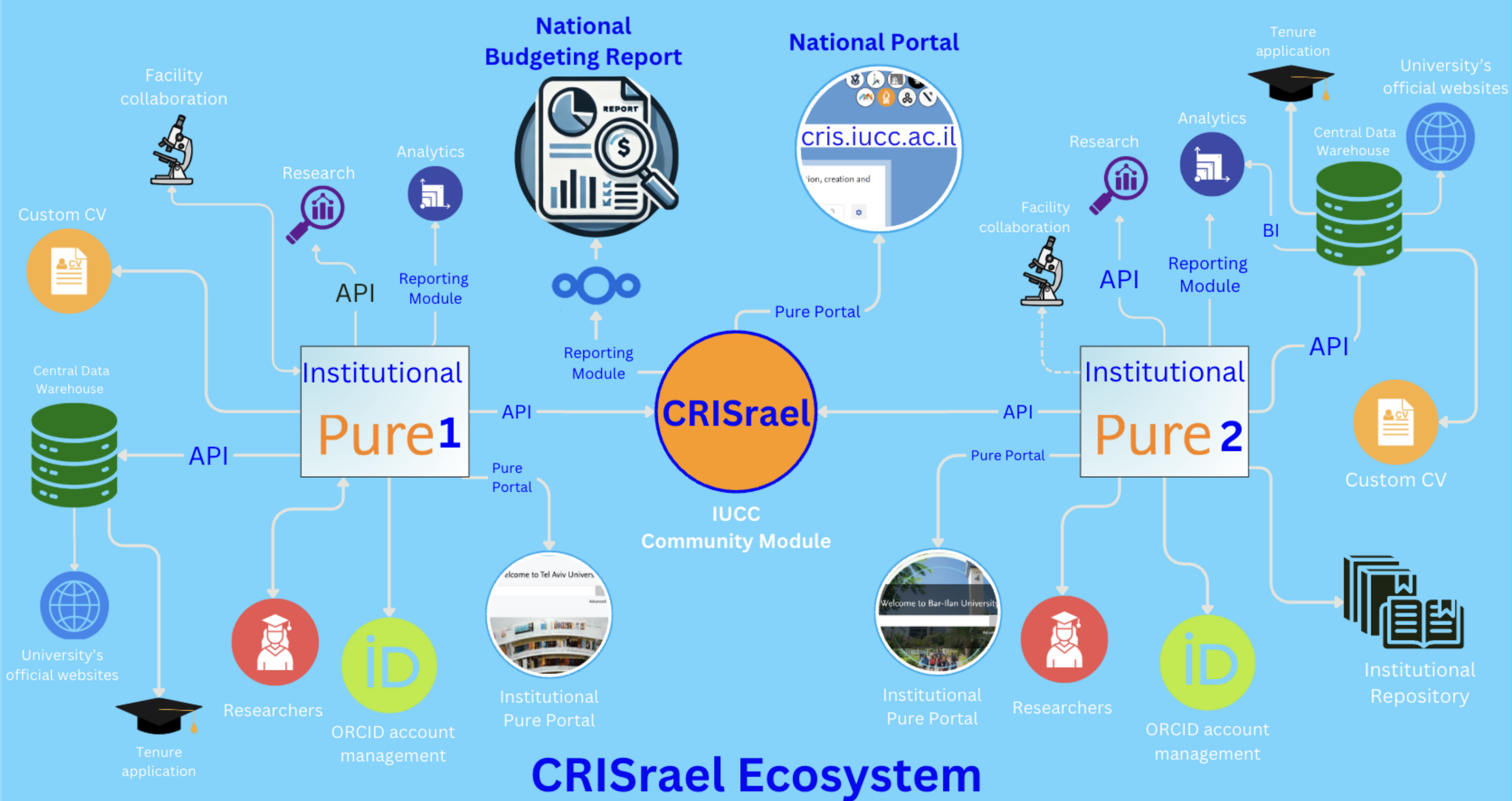


Setting up - Institutional Pure.

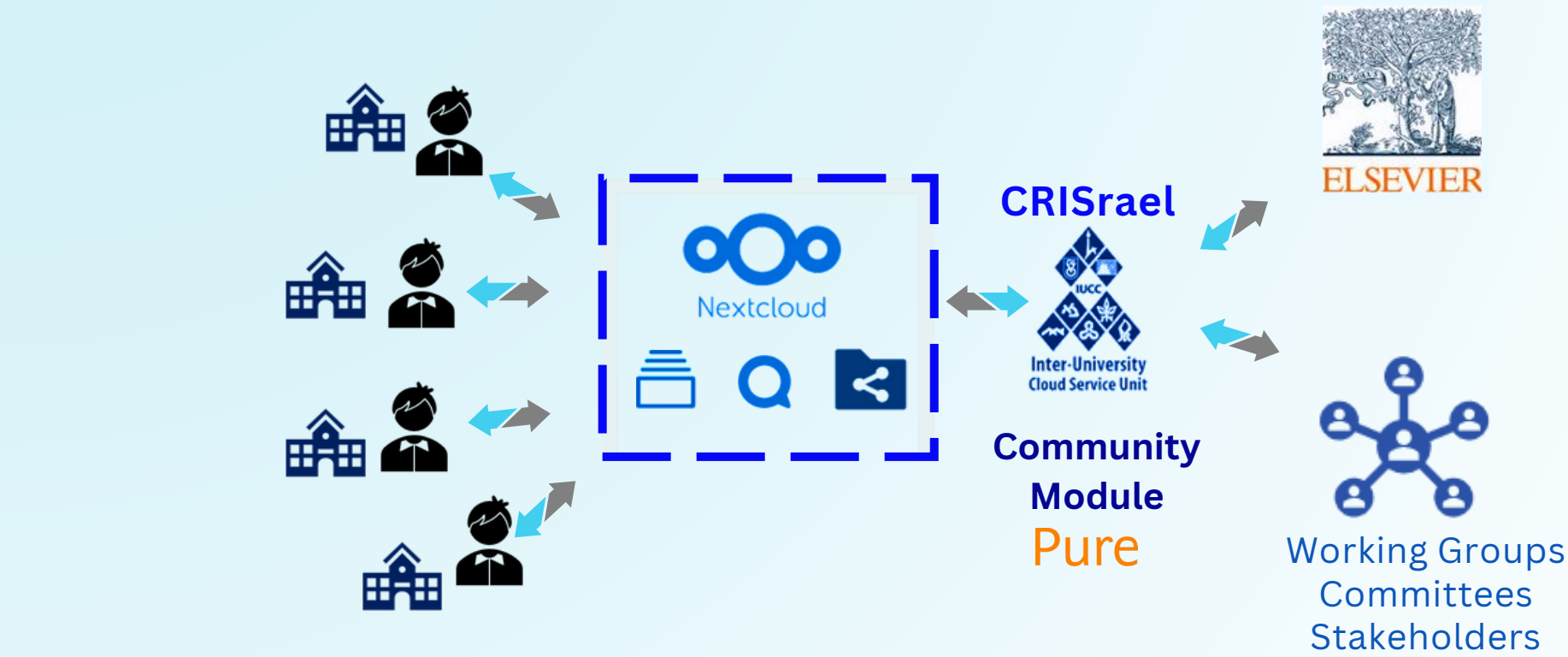
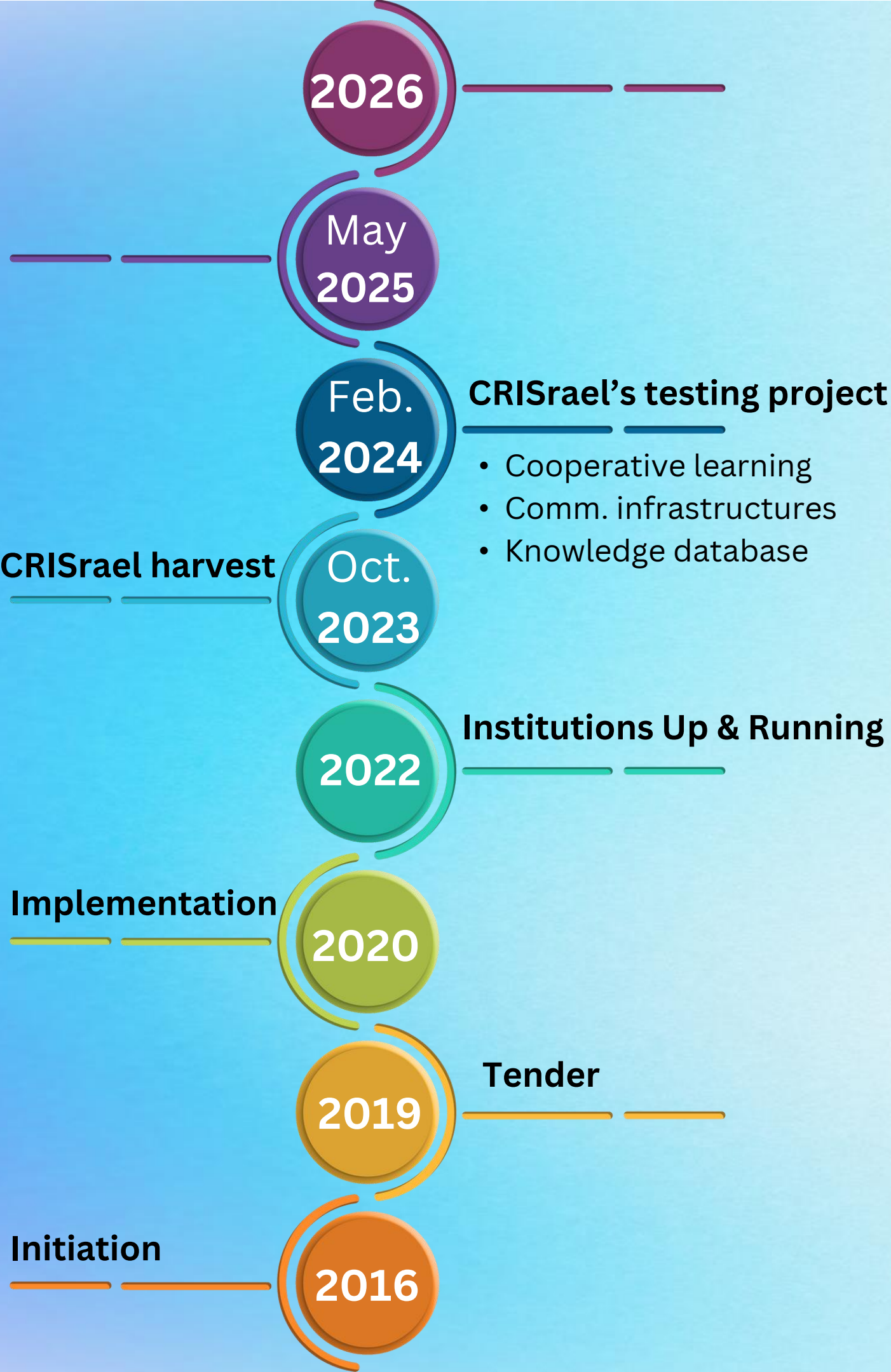


Institutional integrations

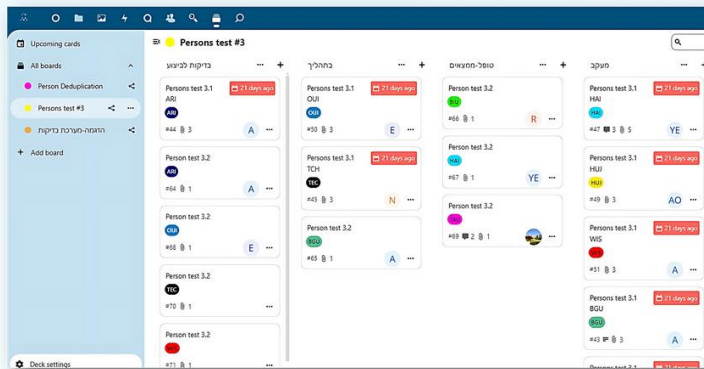




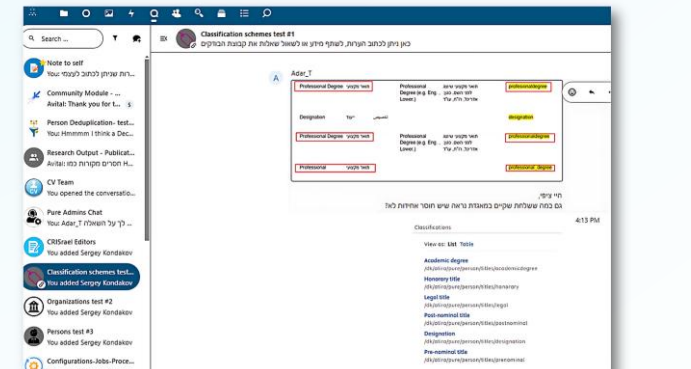
Socio-Technical Collaboration



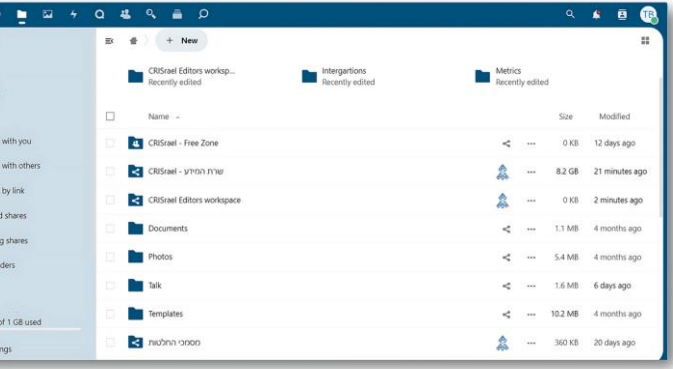
Task management system



Immediate chat platform



Knowledge Database



Exploratory testing strategies: Core-up and Top-down



- Systematic quantitative gaps check.

Comparison of field counts between the **Individual** and **Community** levels.

Reporting module:
Data Story tables

Pure Report

Test #3 - Persons. Community level

+ Create new workspace

Snapshot scheduled Change snapshot schedule View snapshots

5. Profile information

Export

UNIVERSITY (G)	NUMBER OF PERSONS	NUMBER OF PROFILE INFORMATION	NUMBER OF PROFILE PHOTOS	NUMBER OF PHYSICAL ADDRESSES	NUMBER OF WEB ADDRESSES
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Total count	913
Bar-Ilan University	354
Ben-Gurion University of the Negev	222
Tel Aviv University	101
University of Haifa	84
Technion - Israel Institute of Technology	71
Weizmann Institute of Science	71
The Hebrew University of Jerusalem	11
Ariel University	5
Open University of Israel	2

4. ORCID IDs

Export

UNIVERSITY (G)	HAS ORCID ID (G)	NUMBER OF PERSONS
Total count		913
Open University of Israel	Has ORCID ID	1
Open University of Israel	Has no ORCID ID	1
Ben-Gurion University of the Negev	Has ORCID ID	34
Ben-Gurion University of the Negev	Has no ORCID ID	1
Bar-Ilan University	Has ORCID ID	1
Bar-Ilan University	Has no ORCID ID	1
Ariel University	Has ORCID ID	1
Ariel University	Has no ORCID ID	1

Rows per page 10

Page 2 of 2

Data Story table title	Column	Individual	Community	Interval	Comments	#	Data Story table title	Column	Value	Individual	Community
1 Number of Persons by University	Number of persons	34929	34917	12		6	Affiliations - contract type	Number of Affiliations	11001	0	0
2 Names and Titles	Number of name variations	37074	37181	-107		6	Affiliations - contract type	Number of Affiliations	12010	0	577
2 Names and Titles	Number of titles	56	192	-136		6	Affiliations - contract type	Number of Affiliations	12020	330	323
3 Persons' IDs	Number of associated IDs	5085	5288	-203		6	Affiliations - contract type	Number of Affiliations	12030	291	280
4 ORCID IDs	Has ORCID ID	1976	2032	-56		6	Affiliations - contract type	Number of Affiliations	12040	67	62
4 ORCID IDs	Has no ORCID ID	32953	32885	68		6	Affiliations - contract type	Number of Affiliations	14010	5150	5150
5 Profile information	Number of Profile information	1304	1310	-6		6	Affiliations - contract type	Number of Affiliations	17000	0	0
5 Profile information	Number of Profile Photos	1376	1421	-45		6	Affiliations - contract type	Number of Affiliations	21010	3376	3376
5 Profile information	Number of Physical Addresses	285	283	2		6	Affiliations - contract type	Number of Affiliations	21020	6792	6792
5 Profile information	Number of web Addresses	352	350	2		6	Affiliations - contract type	Number of Affiliations	21030	3204	3205
9 Affiliations - Others	Number of Physical Addresses	285	283	2		6	Affiliations - contract type	Number of Affiliations	21031	5601	5601
9 Affiliations - Others	Number of Emails	372	370	2		6	Affiliations - contract type	Number of Affiliations	22010	8014	8016
9 Affiliations - Others	Number of Phone Numbers	271	281	-10		6	Affiliations - contract type	Number of Affiliations	22020	8390	8391
9 Affiliations - Others	Number of web Addresses	352	350	2		6	Affiliations - contract type	Number of Affiliations	22030	7893	7894
10 Persons' Associations	Number of Associated Persons	120916	122348	-1432		6	Affiliations - contract type	Number of Affiliations	22040	7486	7486
10 Persons' Associations	External Co-Contributors	145489	144514	975		6	Affiliations - contract type	Number of Affiliations	23010	0	0
10 Persons' Associations	Supervisor For	14401	0	14401		6	Affiliations - contract type	Number of Affiliations	23020	0	0
10 Persons' Associations	Number of Organizations	217	217	0		6	Affiliations - contract type	Number of Affiliations	23030	0	0
10 Persons' Associations	Supervised By	1448	0	1448		6	Affiliations - contract type	Number of Affiliations	23040	6298	6299
11 Visibility	Public - No restriction	1797	2109	-312		6	Affiliations - contract type	Number of Affiliations	23050	1356	1356
11 Visibility	Backend - Restricted to	32950	32808	142		6	Affiliations - contract type	Number of Affiliations	23060	6298	140
11 Visibility	Campus - Restricted to	0	0	0		6	Affiliations - contract type	Number of Affiliations	23080	0	0
12 Persons for Portal	Number of Persons	728	835	-107		6	Affiliations - contract type	Number of Affiliations	23110	0	0
						6	Affiliations - contract type	Number of Affiliations	25010	0	0
						6	Affiliations - contract type	Number of Affiliations	25020	0	0

2026

Simulation

May
2025

Feb.
2024

CRISrael's testing project

Oct.
2023

CRISrael harvest

2022

Institutions Up & Running

2020

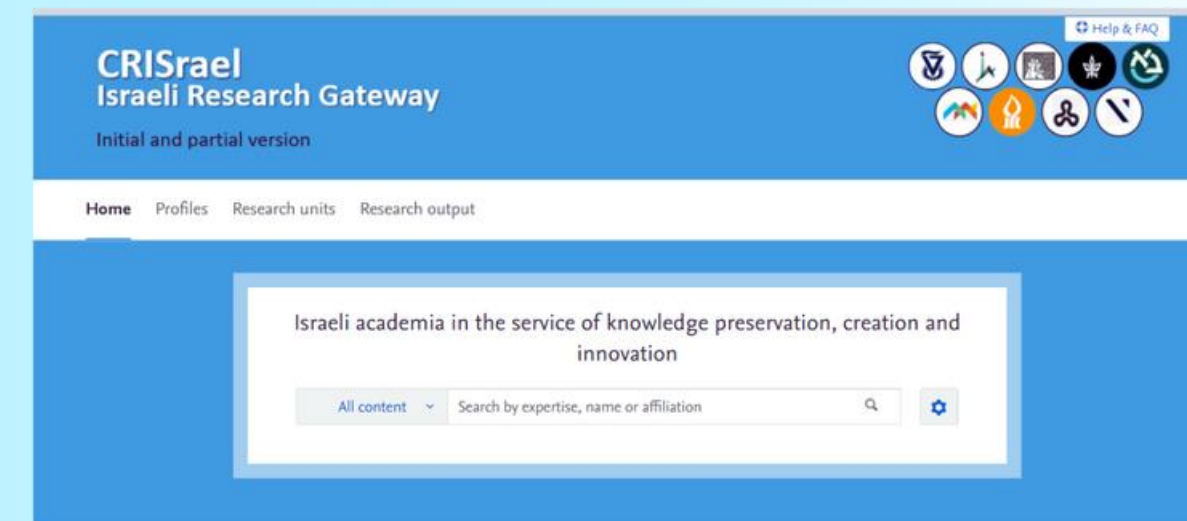
Implementation

2019

Tender

2016

Initiation



Universities



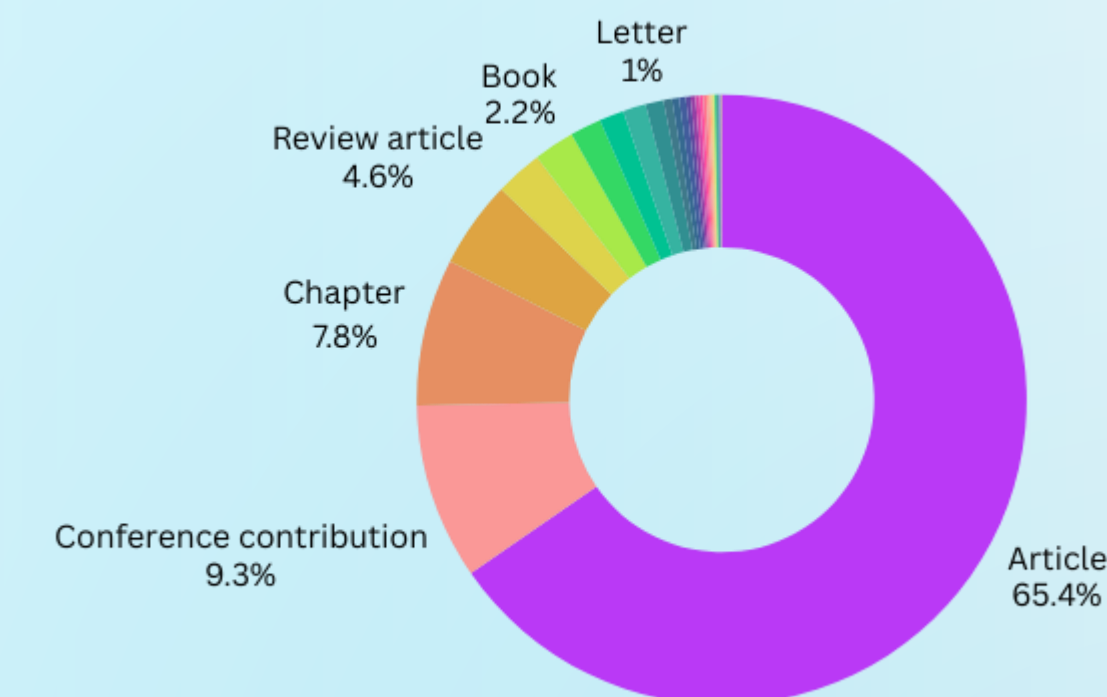
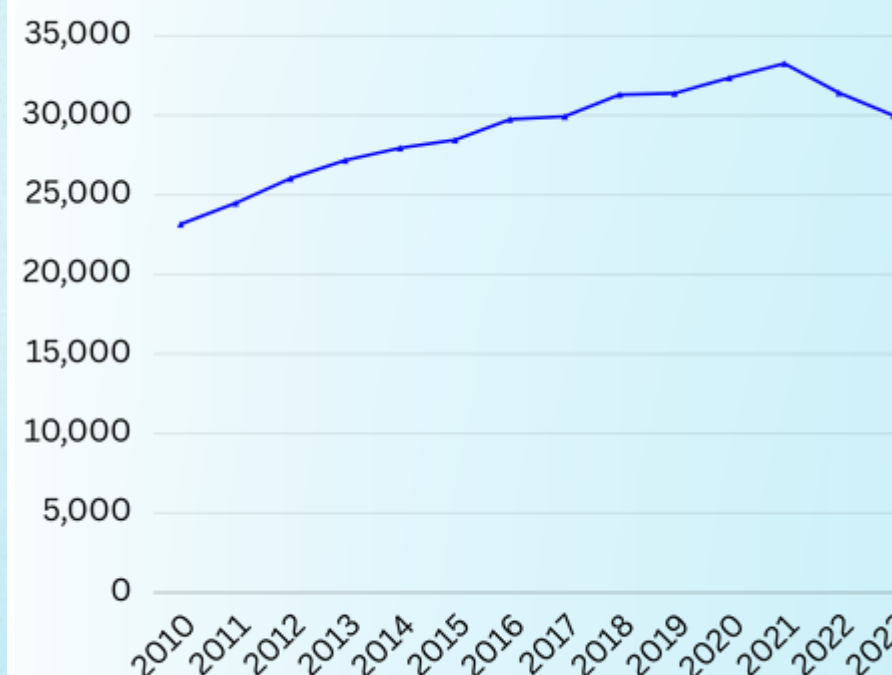
Profiles



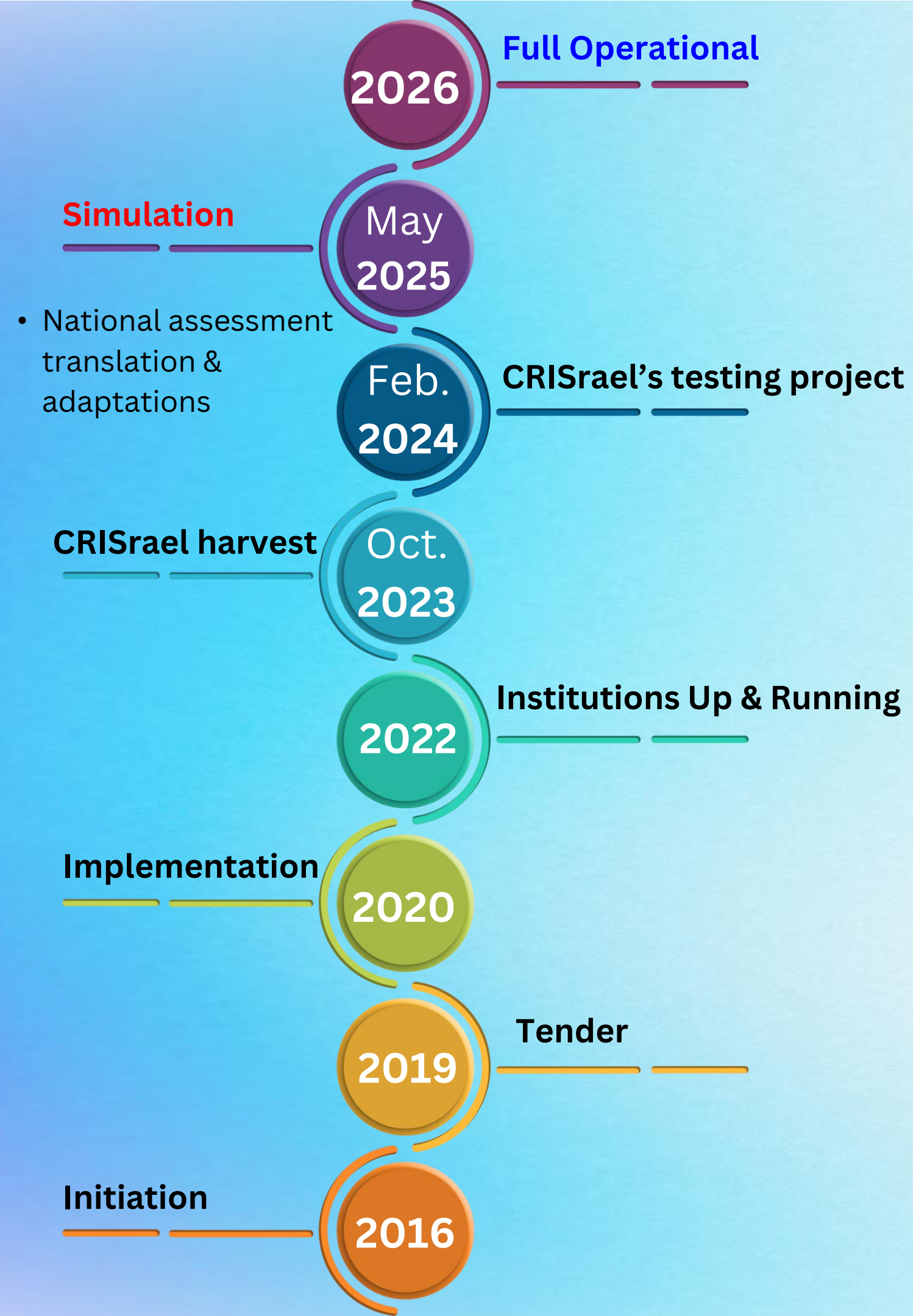
Research units



Research output



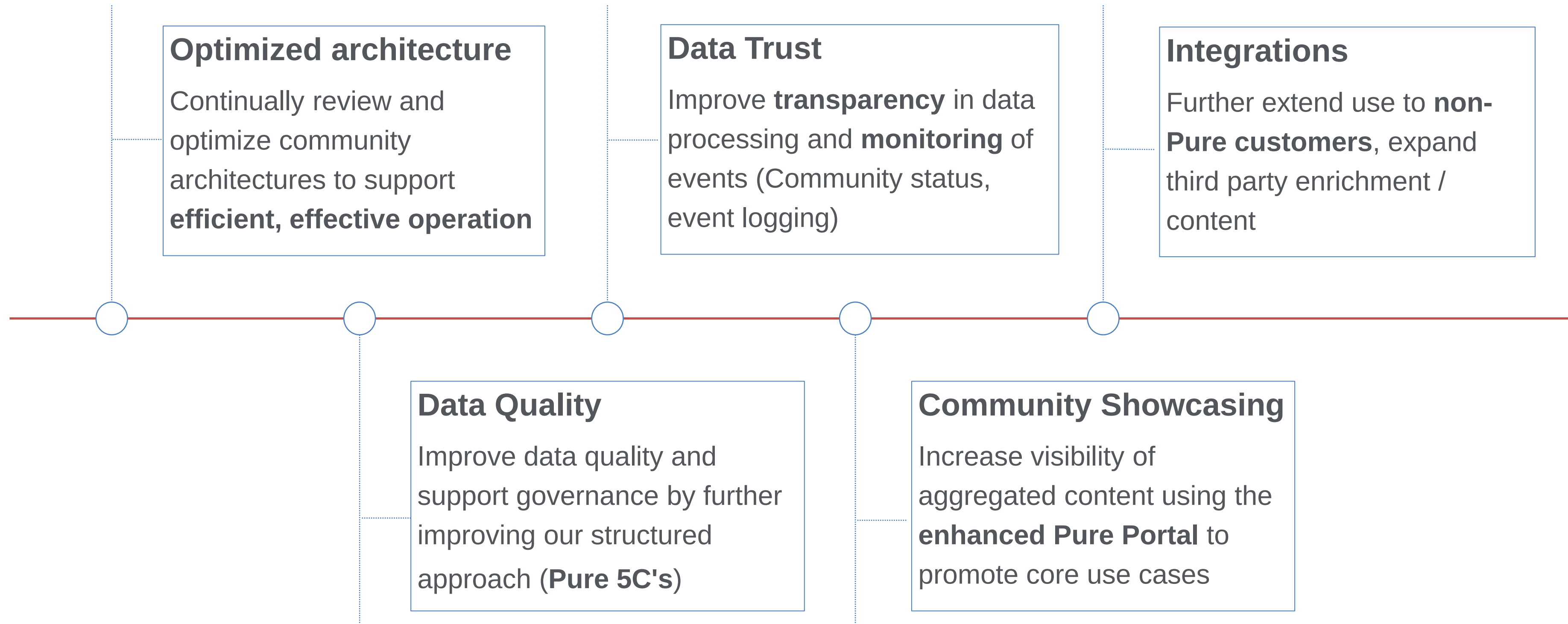
- Fully-automated Community module.
- National Portal (senior faculty only).



Next:

- **Fully Transparent, Collaboratively developed, Assessment Module**
- **Ecosystem-Level management strategies**

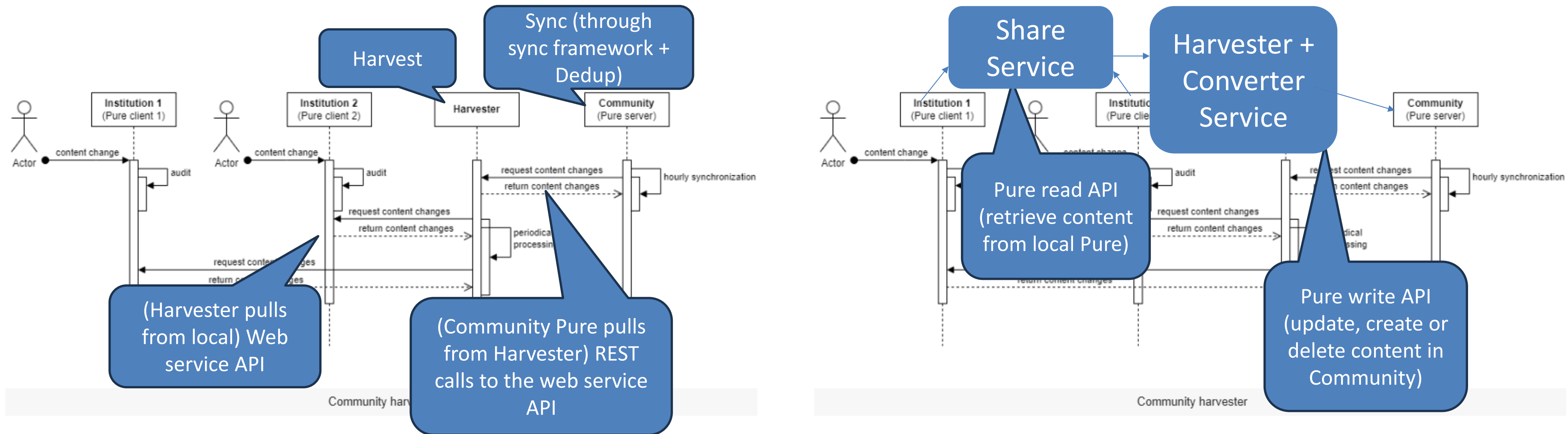
A strategic view - partnering to build dynamic, resilient solutions



“The capacity of a system to absorb disturbance and reorganize while undergoing change so as to retain essentially the same function, structure, identity, and feedbacks is termed its ecological resilience.” (source: Wikipedia)

Next
In development

Community harvester re-architecture



A future-proof, flexible, stable and scalable solution through a phased implementation approach

Thank you...

