



THE HEBREW
UNIVERSITY
OF JERUSALEM

National Natural History Collections



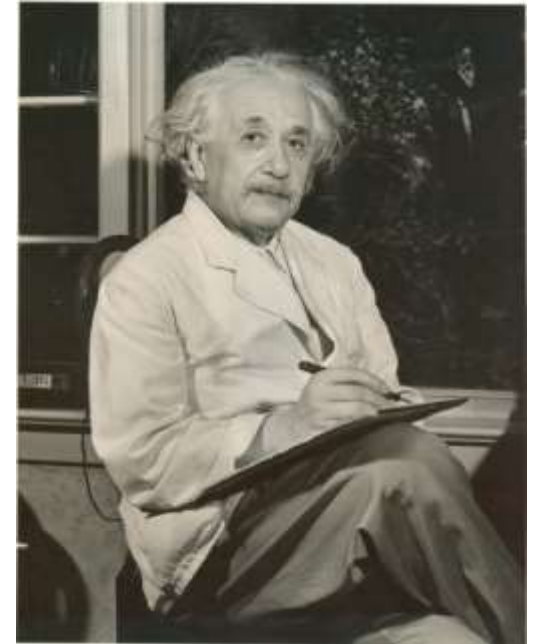
וספי הטבע
הלאומיים
האוניברסיטה העברית בירושלים
National Natural History Collections
The Hebrew University of Jerusalem

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The Hebrew University of Jerusalem

Founded in 1918 by visionaries:

A. Einstein, S. Freud, M. Buber and H. Weizmann.

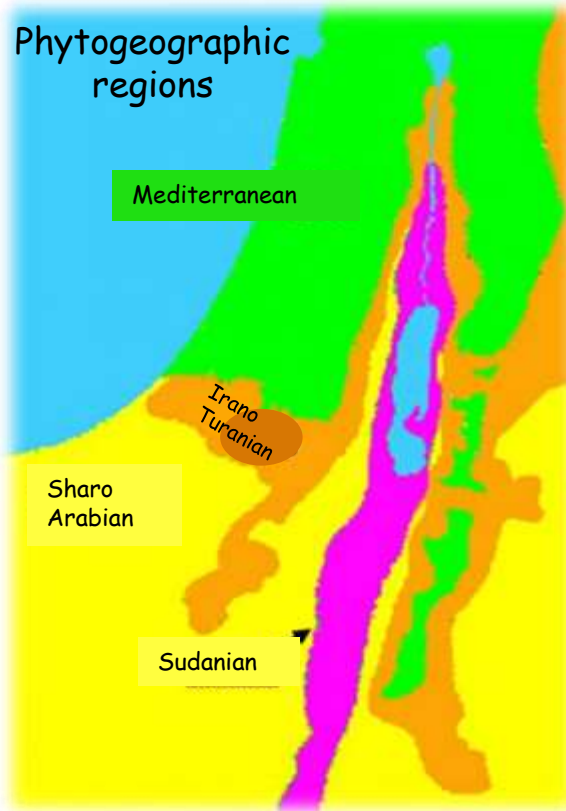
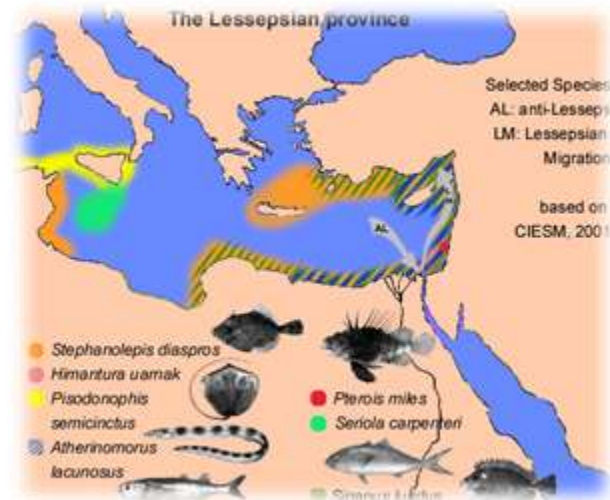


Opened in 1925



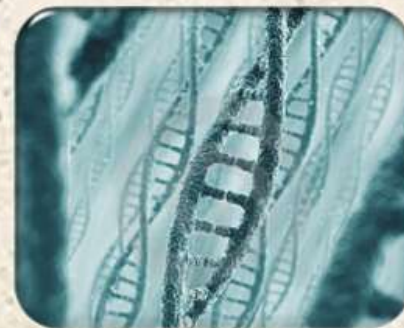
- Stresses excellence and encourages multi-disciplinary research and activities.
- Bridge between academic research and its social and industrial applications.

Contain a unique diverse collection of flora and fauna of the Middle East and its adjacent regions.



The main concept of the collections regional biogeography

National Natural History Collections
المجموعات القومية للطبيعة
The Hebrew University of Jerusalem
אוספי הטבע הלאומיים
האוניברסיטה העברית בירושלים



Safe repository and reliable baseline for the biota of the southern Levant in the wake of unprecedented global environment changes.

Present markers and milestones for exploring the continuity of evolutionary biological change and diversity of the biome.

Early human occupation - out of Africa

Unique exclusive scientific libraries and archives.

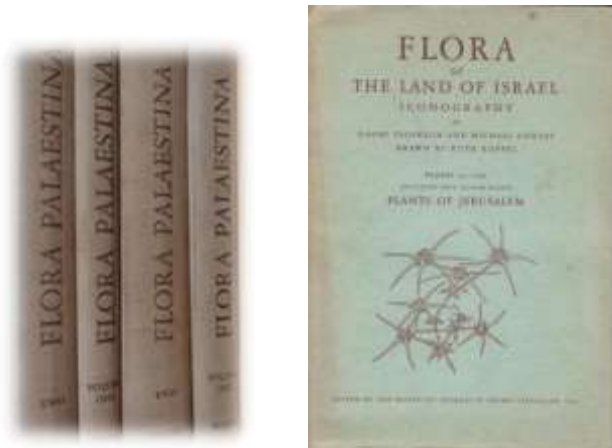


In addition the NNHC-HUJI serve also as

- Archive of Israel culture heritage
- Subject of scientific research (collection-based projects):
 - Taxonomy and systematics
 - Evolution
 - Ecology
 - Biodiversity
 - Conservation (conservation genetics)
 - Wildlife forensics
 - Emergence and re-emergence of pathogens
 - Climate
- Education and Public outreach

The Israel National Herbarium

- The biggest plant collection in the Middle East, extensively depicting the flora of the region
- Contains ~2 million items
- 3,500 type specimens
- Sub-collections: ethnobotanical, moss, algae, wood, seeds and phytopathogenic fungi.
- Botanical library, Botanic illustrations collection and historical archive.



Conservation of Scientific Collections

- ❖ Preventive conservation issues: environmental monitoring, storage improvement and maintenance policies.
- ❖ Direct treatment of objects and collections including *in situ* conservation work on palaeontological, archaeozoological and zoological specimens (historical and recent)
- ❖ Research to improve conservation methodologies in natural collections



PVA cross-linked with borax



Erq el Ahmar (2-1.5 million years ago)

Contribution to the Community

Conservation

The Red List - Endangered species Plants and Animals

The Plant Gene Bank

Ecological disaster - environmental pollution

Biodiversity - endangered species

Wildlife (Non-human) Forensic

Ministry of Agriculture

Ministry of Health

Israeli Police

Israel Nature and Park Authority

Israel Antiquities Authority

Society for the Protection of Nature in Israel

Israel Cave Research Center

On-going procedures

Cataloging, Imaging & Digitizing

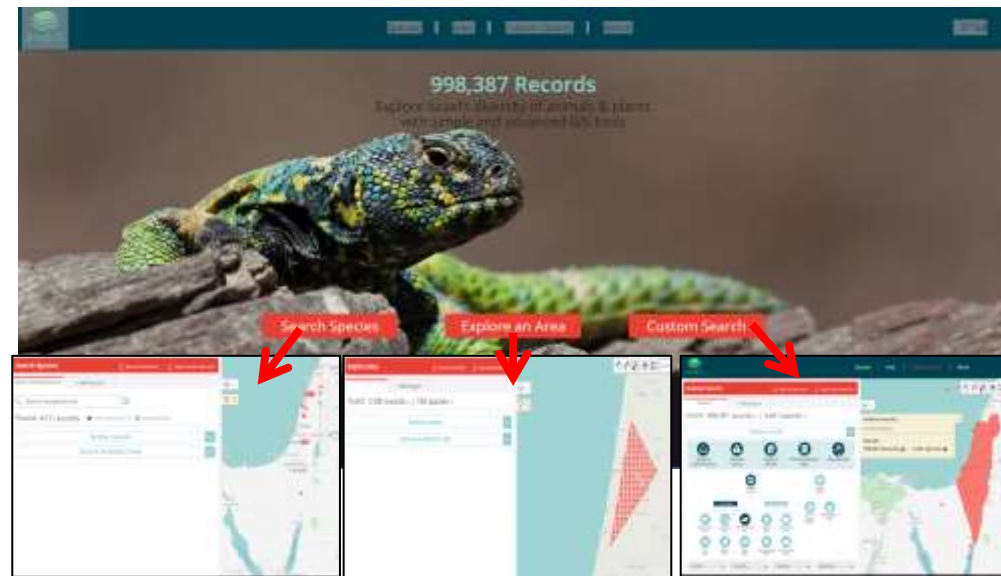
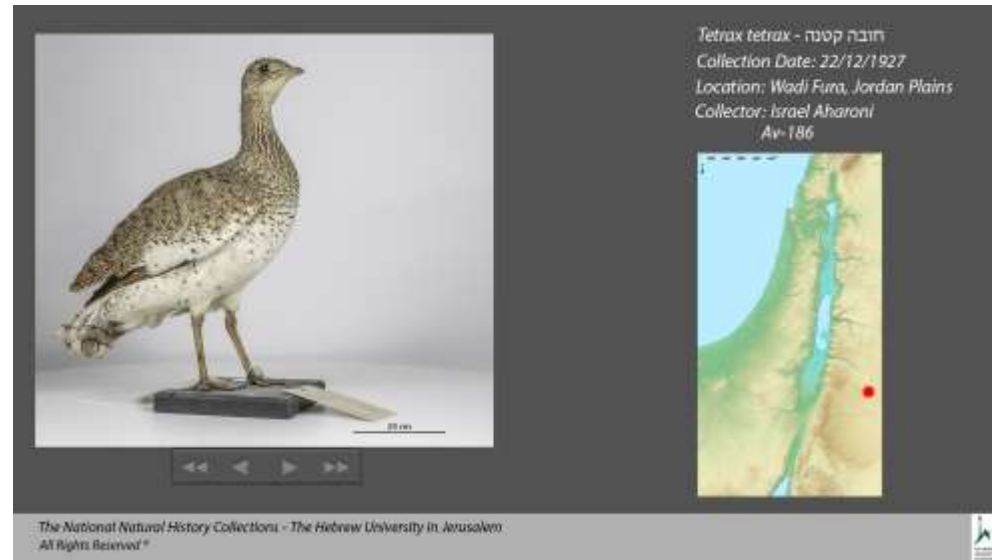


Standardized natural history
collections for specimen based
research

(conservation to ensure long term sustainability)



Biodiversity & conservation



Thank you for all NNHC-HUJ
members
for making it possible

