



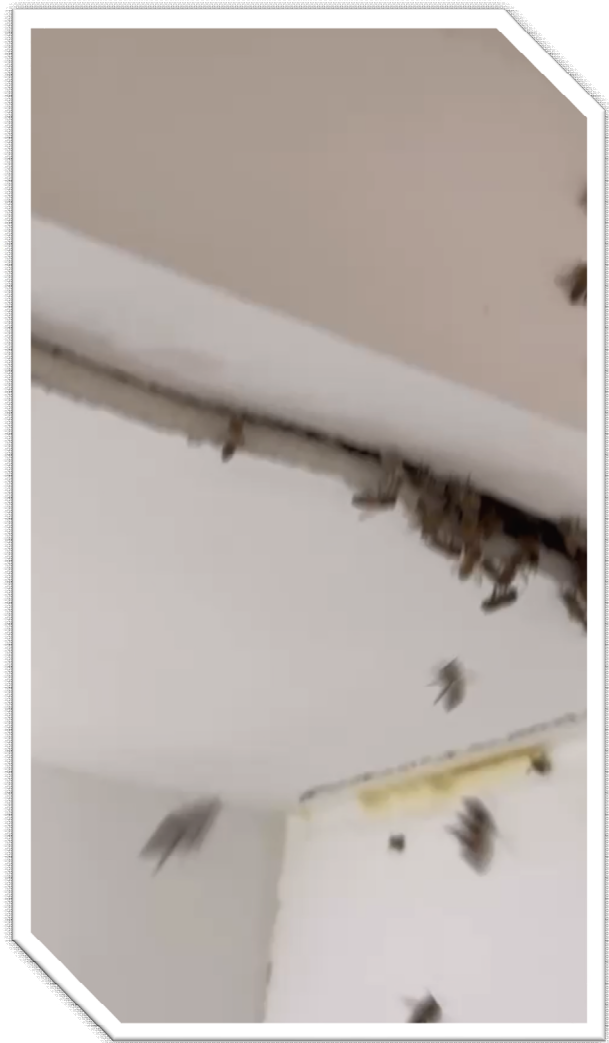
Next Discovery Experience (NDE)

Guy Ben Porat, VP Academic Discovery and Student Engagement

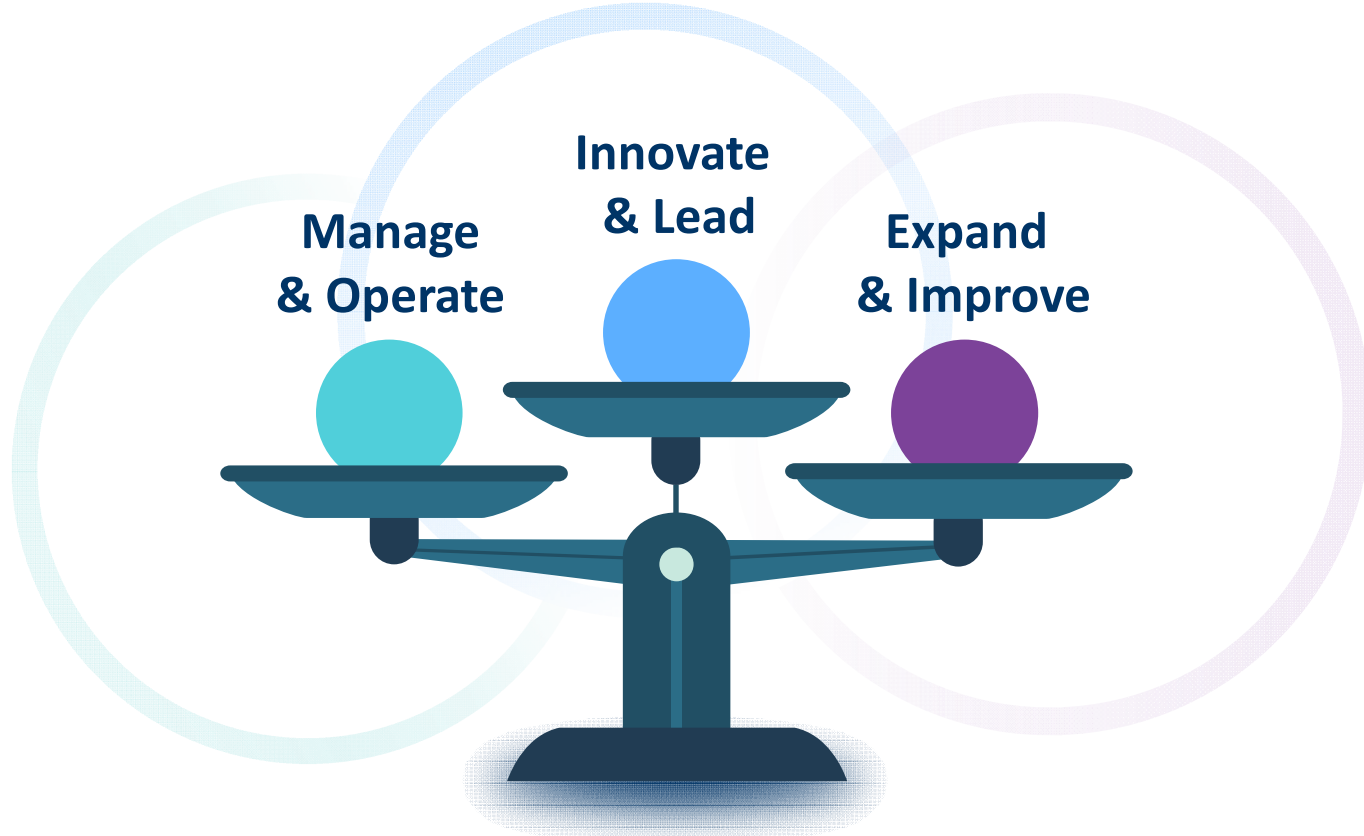


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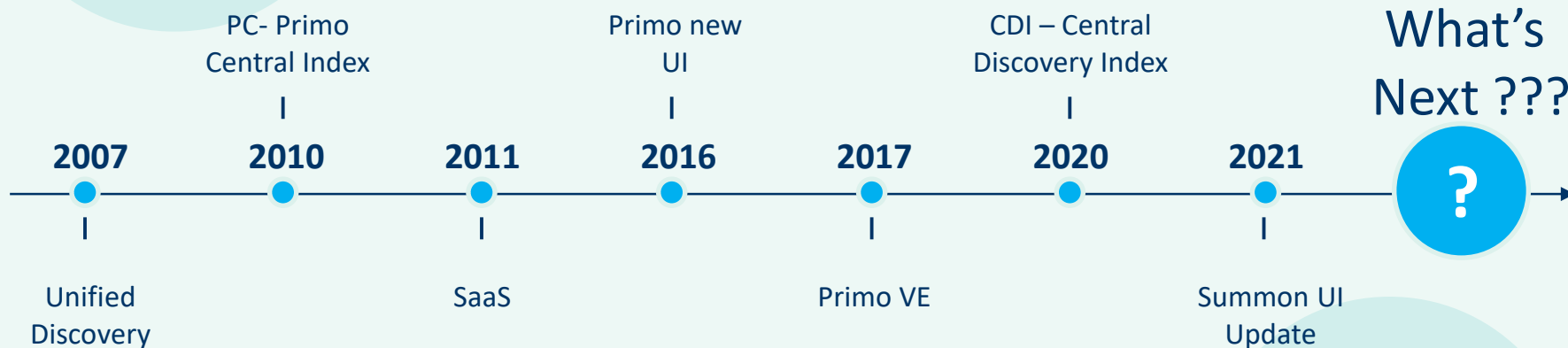




Today, Tomorrow and the Day After



Constant innovation mode



Stars are aligning for the Next Discovery Experience

Emerging generative
AI technologies

Updated UX
Development Tool



Expectation for
consumer-like
experience



New Linked Data
practices



Our ways to a new discovery experience



New UX for Primo pages



Linked data experience



Take advantage of new AI tech

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1

[Encyclopedia of clothing and fashion](#) (View details)



Farmington Hills, MI : Charles Scribner's Sons Valerie Steele c2005

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2

[The studio](#), (View details)



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Book

☆ **A review of fire retardant treatments, fire performance test methods, and building codes in United States of America and Australia, and their influence on the marketing opportunities for forest products**

W. D. Gardner N.S.W. Timber Advisory Council. 1986

Available at Volcano Campus History Library General collection (Quarto TP266.5 .G37x 1986)[Request](#) [Locations](#) [Details](#) [Reviews & Tags](#) [Recommendations](#) [More](#)

Book

☆ **Timber of West Africa**

Timber Research and Development Association. Bernard Alwyn Jay; Timber Development Association. 1972

Checked out from IN STORAGE General collection (635.51 T4815 1975)[Request](#) [Locations](#) [Details](#) [Reviews & Tags](#) [Recommendations](#) [More](#)

Book

☆ **Proceedings of the International Symposium on the Use of Home Grown Timber in Building, held in Khartoum, Sudan, 6-8 February, 1979**

Symposium on Use of Home Grown Timber in Building (1979 : Khartoum, Sudan) Omer M. E. Hassan Fageiri; H. O Abd El Nour (Hassan Osman); Jami'at al-Khartum. Building & Road Research Institute. 1979?

global warming








Alma University & Central Index



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1 BOOK

The evolution of physics from early concepts to relativity and quanta



By Einstein, Albert

Published in 1879-1955.

Available at Lamont Library Gen (PR9199.3.A8 H3 1998)

This look at the near future presents the story of Offred, a Handmaid in the Republic of Gilead, once the United States, an oppressive world where women are no longer allowed...

Read More



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2 ARTICLE | PEER REVIEWED | OPEN ACCESS | 11 WEB OF SCIENCE | COURSE

Active tactile exploration using a brain—machine— brain interface



By O'DOHERTY, Joseph E

Nature (London), 2011, Vol.479 (7372), p.228-231

Brain-machine interfaces use neuronal activity recorded from the brain to establish direct communication with external actuators, such as prosthetic arms. It is hoped tha...

Read More



Online PDF

Must Attend Session on Friday!

Zooming into the Next Discovery Experience

Friday, 9:00-9:45 am
Santa Anita



Yisrael Kuchar
S. Director, Product
Management



Data Quality

Multiple
Identifiers

Ambiguous

MISSION IMPOSSIBLE?

Duplication

MARC21

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New Discovery Experience

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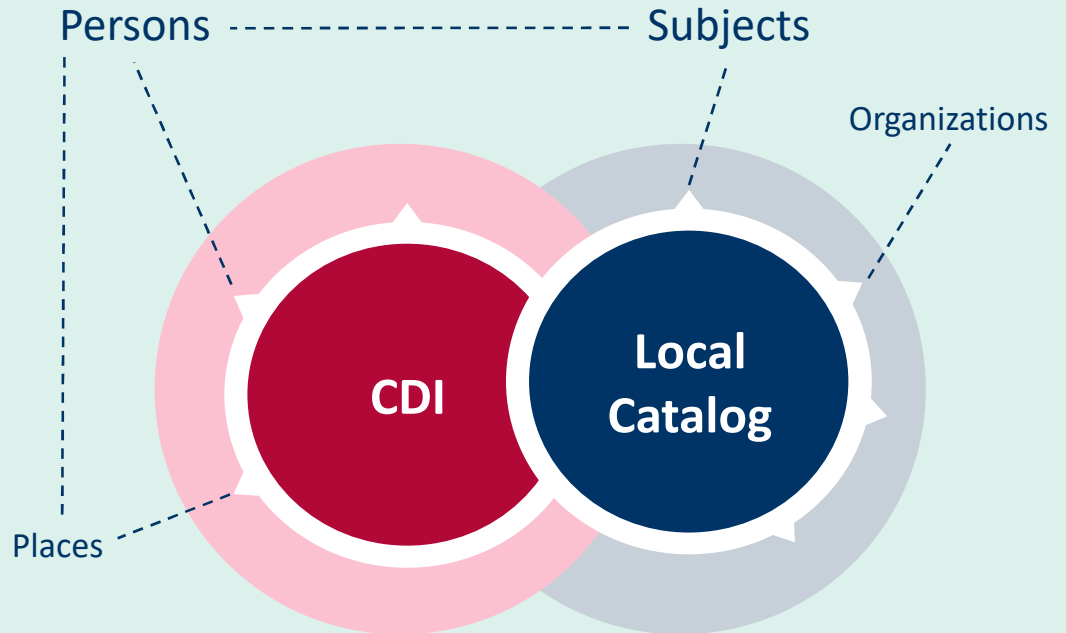
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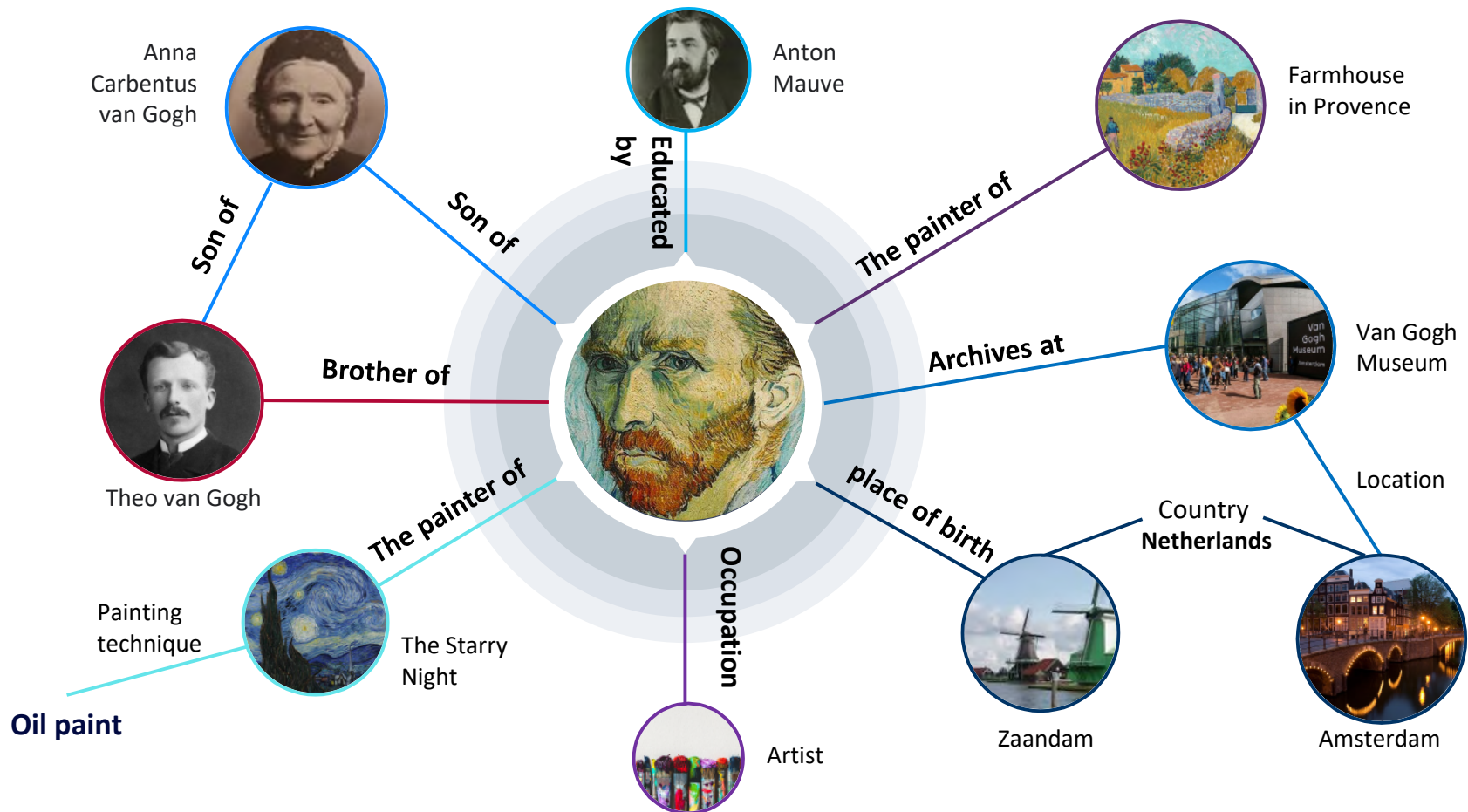
Recommendation

Linking out

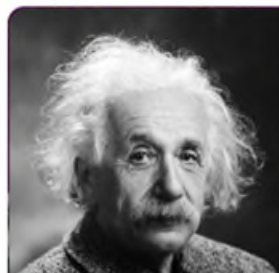
New Linked Data Network



Linked Data Triplets – 2 Entities and their connection type



How will the Discovery Experience leverage from a person entity and its triplets ?



Albert Einstein, 1879–1955

Person Information

German-born theoretical physicist; developer of

Albert Einstein was a German-born theoretical physicist, widely acknowledged to be one of the greatest physicists of all time. Einstein is known for developing the theory of relativity, but he also made important contributions to the development of the theory of quantum mechanics. Relativity and quantum mechanics are together the two pillars of modern physics. His mass-energy equivalence

Titles written by Albert Einstein



Relativity : the Special & the General Theory

Albert Einstein 1879-1955; Hanoch Gutfreund; Jürgen Renn 1956-



The world as I see it.

Albert Einstein 1879-1955[Abridged d.]New York



Einstein. Albert

Albert Einstein 1879-1955

Titles written about Albert Einstein



Annus mirabilis :

Annus mirabilis 1905-1905; New York : Viking 1997



Albert Einstein : a biography

Albrecht Fölsing 1940 New York : Viking 1997



Einsteins Akte : Einsteins Jahre in Deutschland aus...

Siegfried Grundmann Berlin : Springer ©1998

Relations:
Person <-> Title
Person <-> Person

Related People



Leopold Infeld

Co-author

"The evolution of physics; the growth of ideas from early concepts to...



Stephen Hawking

Editor

"A stubbornly persistent illusion: the essential scientific works of...



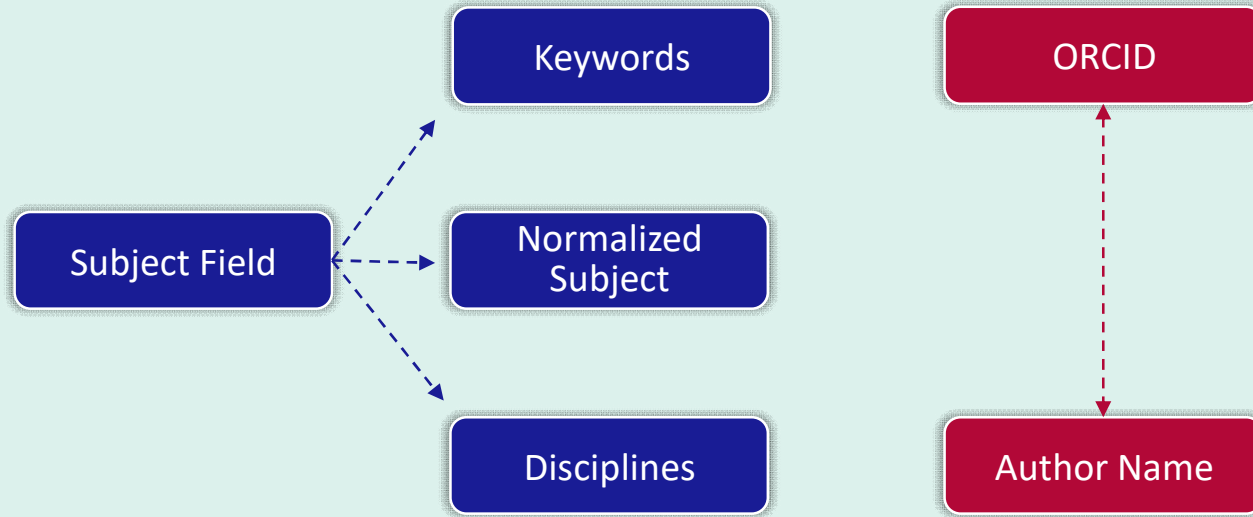
Lise Meitner

Contributor

Feier der 100. Geburtstage von Albert Einstein, Otto Hahn, Lise...



CDI – Data Projects



Getting there

Extract Relations Person to Resources

Abel | Library Catalog

Albert Einstein (1879-1955) German-born theoretical physicist, developer of the theory of relativity

Albert Einstein, 1879-1955

Albert Einstein was a German-born theoretical physicist, widely acknowledged to be one of the greatest geniuses in all time. Einstein's work on relativity and quantum mechanics led to the development of the theory of relativity, and his other contributions include his work on the quantum theory of light, the photoelectric effect, and the quantum theory of Brownian motion. He is also known for his work on the quantum theory of radiation, which earned him the Nobel Prize in Physics in 1921, and his work on the quantum theory of the atom, which earned him the Nobel Prize in Physics in 1921. He is also known for his work on the quantum theory of the atom, which earned him the Nobel Prize in Physics in 1921. He is also known for his work on the quantum theory of the atom, which earned him the Nobel Prize in Physics in 1921.

Info Albert Einstein, 1879-1955, Germany

Head April 14, 1879, Ulm, Baden-Württemberg, Germany

Children University of Bern, Swiss Federal Institute of Technology University of Zurich, German University of Prague, ETH Zurich, Kaiser Wilhelm Society, Princeton University

Occupation Theoretical physicist, philosopher of science, teacher, science writer, landscape painter

Field of work Theoretical physics

Person Entity

Titles written by Albert Einstein

Relativity: the Special & the General Theory
Albert Einstein

The world as I see it
Albert Einstein

Einstein, Albert Out of My Later Years
Rogers, Michael

Titles written about Albert Einstein

Annus mirabilis: 1905, Albert Einstein, and the...
John Gruber 1948

Albert Einstein: a Biography
Abraham Frautkin 1948

Einsteins Jahre in Deutschland aus...
Georg Meiser 1948

Extract Relations Person to Persons

Related People

Leopold Infeld
Co-author
The evolution of physics: the growth of ideas from early concepts to...

Stephen Hawking
Editor
The eternally persistent illusion: the essential scientific works of...

Lise Meitner
Contributor
Feier der 100. Geburtsfeier von Albert Einstein, Otto Hahn, Lise...

Subject Entity

More Relation Types

ARTIFICIAL ?

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2023 Hackathon - The Story



SMALL TOOLS, BIG IMPACT
IT'S ALL ABOUT THE USERS

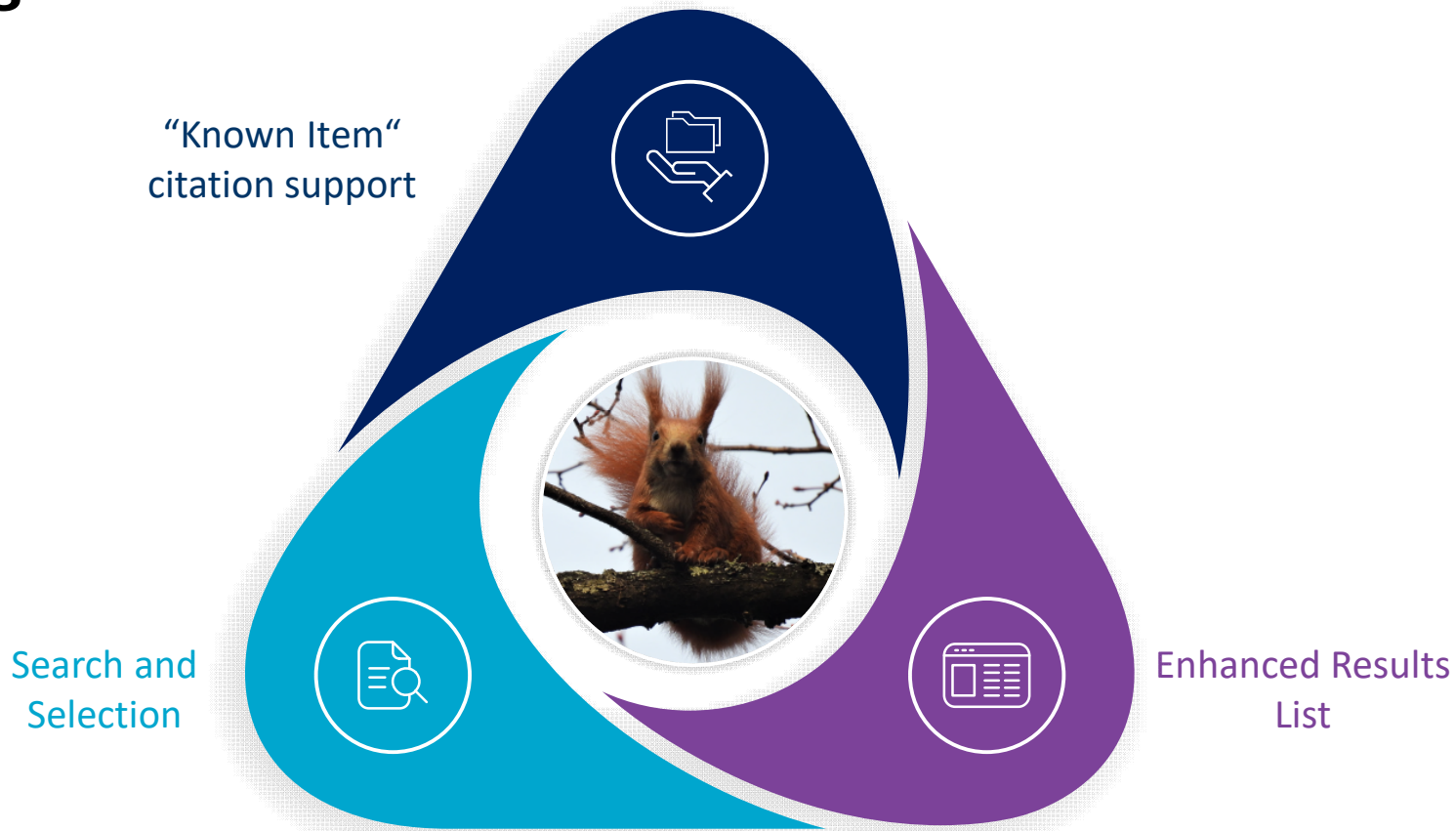
Task

Identify obstacles with
finding and accessing
material

Develop services
prototype

Coincided with generative AI APIs gaining in popularity

Categories of Services



Vote for your favourite

1

Natural Language search

Search for material in your own words

2

Translate searches and abstracts on the go

Find material in other languages

3

Full-text direct

Provide a citation or ID – get the pdf with one click

4

AI-generated structured work summaries

See important aspects and conclusions of a work in one glance

5

Citation list assistant

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- A report with the details

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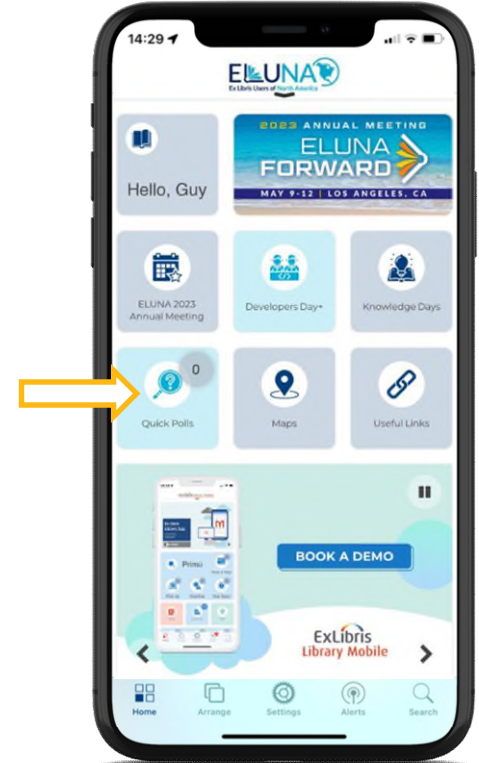
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Must Attend Session on Friday!

Engaging your patrons with Library Mobile?

Friday May 12, 2023
11:55am - 12:40pm PDT
Palos Verdes



Yaara Galili,
Director product
management

AI Seasoning





The main course -
Conversational Discovery
on **trusted scholarly**
collections

Quantum leap for teaching,
learning & research

Conversational Discovery – Concerns

“not provides facts, making up things”

“not fit with institutional teaching and learning principles”

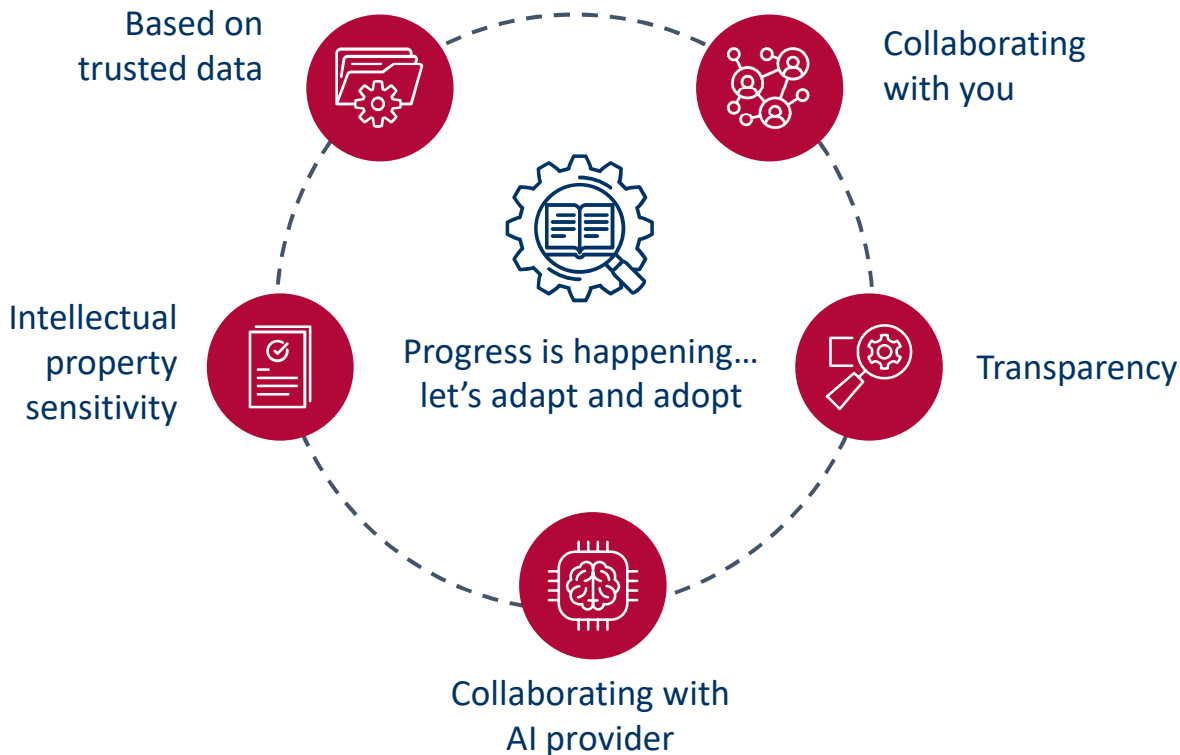
“bring unintended bias and consequences”

“no proper accreditation”

“generate incorrect information”



Make it Work – Getting the Honey



Welcome to the Next Discovery Experience

Conversational Discovery



🔍 Search in the Library




📍 Library Catalog ▾

Welcome to the Next Discovery Experience

Conversational Discovery



 Ask me anything...





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Conversational Discovery

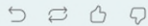


Tell me about the Honey yield conditions and characteristics of honeys in California |




 Tell me about the Honey yield conditions and characteristics of honeys in California 


 California is known for producing a variety of honeys such as orange blossom, sage, eucalyptus, avocado, and wildflower ^[1]. The quality criteria for honey are well specified by the European Community Guidelines 2001/110. The main criteria of interest are moisture, electrical conductivity, ash, reducing and nonreducing sugars, free acidity, diastase activity, and hydroxymethylfurfural (HMF) content ^[2].



 |

See more results at the library site [↗](#)



ARTICLE
Range and Frequency of Africanized Honey Bees in California (USA) ^[1]
By Kono, Yoshiaki ; Kohn, Joshua R; Wicker-Thomas, Claude
[Online PDF](#) 

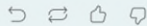


ARTICLE
Admixture in Africanized honey bees (*Apis mellifera*) from Panamá... ^[2]
By Zárate, Daniela ; Lima, Thiago G. ; Poole, Jude D. ; Calfee, Erin ; Burton,...

[Request](#)

Tell me about the Honey yield conditions and characteristics of honeys in California

California is known for producing a variety of honeys such as orange blossom, sage, eucalyptus, avocado, and wildflower [1] ¹. The quality criteria for honey are well specified by the European Community Guidelines 2001/110. The main criteria of interest are moisture, electrical conductivity, ash, reducing and nonreducing sugars, free acidity, diastase activity, and hydroxymethylfurfural (HMF) content [2] ².



Were any studies on the impact of pollen consumption on honey bee (Apis mellifera) digestive physiology and carbohydrate metabolism done in California ?

I found a few studies that might interest you. One study investigated the impact of pollen consumption on honey bee (Apis mellifera) digestive physiology and carbohydrate metabolism [3] ³ [4] ⁴. Another study compared the effects of three pollen types on the survival rate, prepupal weight, developmental stage, and pollen digestibility in honey bee (A. mellifera) larvae. A third study compared the effects of eight different mixed-pollen diets on queenless adult survival and physiology [5] ⁵.



|

See more results at the library site [↗](#)

ARTICLE [1]



Range and Frequency of Africanized Honey Bees in California (USA)

By Kono, Yoshiaki ; Kohn, Joshua R; Wicker-Thomas, Claude

Online PDF 

ARTICLE [2]



Admixture in Africanized honey bees (Apis mellifera) from Panamá...

By Zárate, Daniela ; Lima, Thiago G. ; Poole, Jude D. ; Calfee, Erin ; Burton,...

Request

ARTICLE [3]



The Great Bee Migration: Supply Analysis of Honey Bee Colony Shipments...

By Goodrich, Brittny K ; Williams, Jeffrey C ; Goodhue, Rachael E...

Online PDF 

ARTICLE [4]



Genome Sequencing of Museum Specimens Reveals Rapid Changes i...

I found a few studies that might interest you. One study investigated the impact of pollen consumption on honey bee (*Apis mellifera*) digestive physiology and carbohydrate metabolism [3]P [4]P . Another study compared the effects of three pollen types on the survival rate, prepupal weight, developmental stage, and pollen digestibility in honey bee (*A. mellifera*) larvae. A third study compared the effects of eight different mixed-pollen diets on queenless adult survival and physiology [5]P .



What is the research that was done in article [3]P? Sum up the article for me in under 300 words.

Due to climate variability and the locations of forage sources, there are regional differences in honey production and honey bee colony populations within the U.S. This article suggests a use of Geographically Weighted Regression (GWR) methods over data from 2007-2018 to explain the differences and suggest the shipping costs to Almond pollination are a big factor, while actual pollination costs are not.

Abstract

Over the last two decades, the number of honey bee colonies performing pollination services for the California almond industry has grown steadily and now equals a substantial share of all colonies in the United States. Most US beekeeping operations have not expanded their colony numbers at the current levels of almond pollination fees. Thus, as almond acreage has increased, the marginal supplier of colonies has moved further away from California, increasing interstate shipments. We provide a conceptual representation of the supply and demand of U.S. colonies for almond pollination, and utilize the relatively inelastic demand for colonies to explore spatial elasticities of supply. We combine colony shipment data from 2007 to 2018 provided by the California Department of Food and Agriculture with projected prices from the California State Beekeepers



ARTICLE

The Great Bee Migration: Supply Analysis of Honey Bee Colony Shipments...

By Goodrich, Brittney K ; Williams, Jeffrey C ; Goodhue, Rachael E...

Online PDF



ARTICLE

Genome Sequencing of Museum Specimens Reveals Rapid Changes i...

Cridland, Julie M ; Ramirez, Santiago R ; Dean, Cheryl A ; Sciligo, Amber ;...

Online PDF



ARTICLE

Preliminary analysis shows that feral and managed honey bees in...

Geffre, Amy ; Travis, Dillon ; Kohn, Joshua ; Nieh, James...

Online PDF

Our ways to a next discovery experience



New UX for Primo pages



Linked Data experience



Take advantage of new AI tech

Reminder - Vote Now,
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Thank you!

