



NII

WACREN-NII demonstration of a community-driven model for shared repository infrastructure and harvesting

Sefakor Ankora (WACREN)

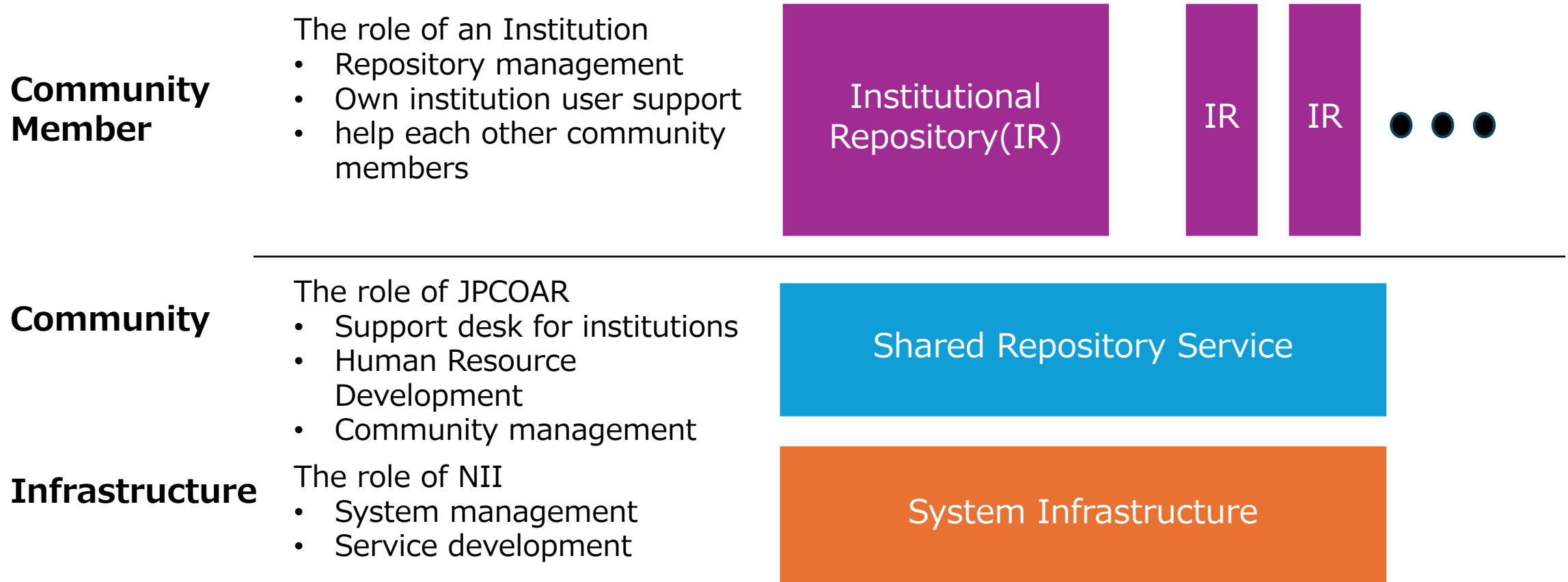
Masaharu Hayashi (National Institute of Informatics)

Background

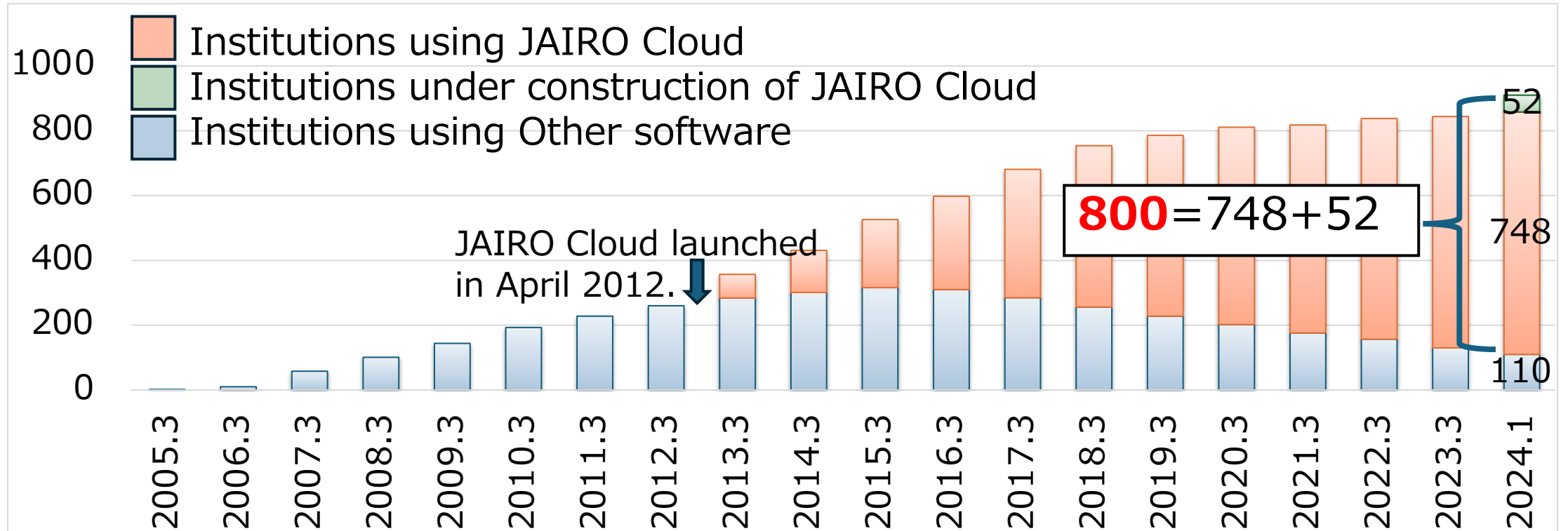
- WACREN and NII collaboration started with an MoU
 - WACREN Conference in March 2019.
- We deepened our technical exchange as we traveled between our countries.
 - January 2020, Lagos and Abuja
 - 🥲 COVID-19 pandemic
 - December 2023, Tokyo
- Today...we are going to show our collaboration result.

What is a community driven model for shared repository infrastructure

This model is for creating repository services with the community. Instead of the infrastructure provider supporting everything, community members help each other achieve services that scale and have long-term sustainability.



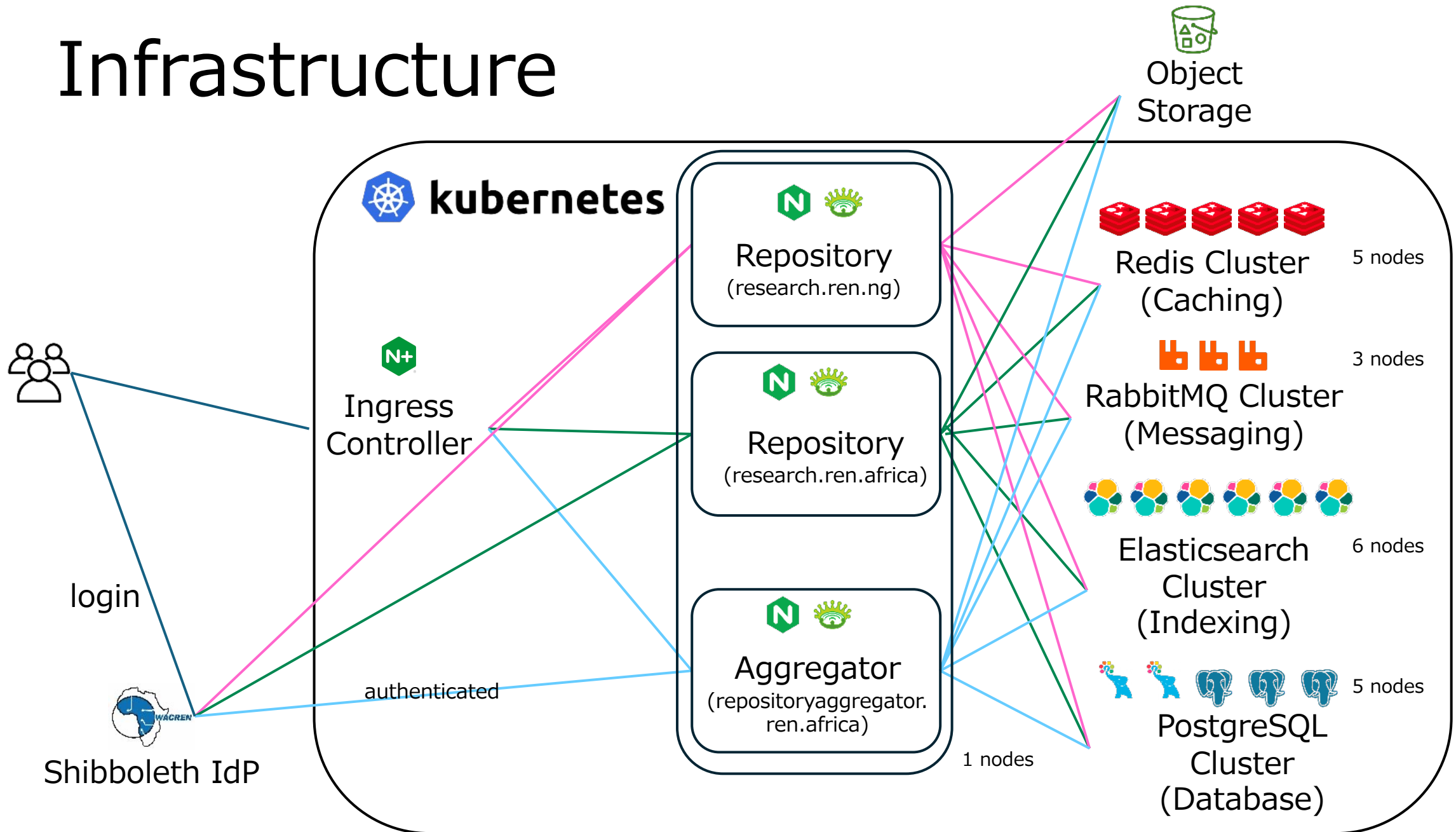
JAIRO Cloud: 800 institutions help each others



Could this model be applied in Nigeria
and other African countries?

Demonstration of Shared repository service infrastructure

Infrastructure



Demonstration

https://research.ren.ng

Language: English Log i



Main About

Top Communities Ranking

Type and press enter to search

Search Advanced

Full text Keyword

Index Tree

- University of Jos
 - Faculty of Agricultural Sciences
 - Faculty of Arts
 - Faculty of Basic Medical Sciences
 - Faculty of Clinical Science
 - Faculty of Dental Science
 - Faculty of Education
 - Faculty of Engineering
 - Faculty of Environmental Sciences
 - Faculty of Health Sciences and Technology
 - Faculty of Law
 - Faculty of Management Science
 - Faculty of Natural Sciences
 - Faculty of Pharmaceutical Science
 - Faculty of Social Science
 - Faculty of Veterinary Medicine
- USMANLU DANFODIYO UNIVERSITY SOKOTO

Item

University of Jos / Faculty of Agricultural Sciences

Exploring the Link Between Climate Change and Extreme Weather Events

<https://research.ren.ng/records/2000079>

Preview

1 / 7 自動ズーム



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Available Online at <http://warse.org/IJISCS/static/pdf/file/ijiscs03752018.pdf>
<https://doi.org/10.30534/ijiscs/2018/03752018>

ISSN 2319 – 7595

An Enhanced Text Mining Approach using Dynamic Programming

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1

views

total


See details

Versions

Ver.1 2023-09-24 01:24:39.117262

Show All versions

https://research.ren.africa

Language: English   wekosoftware@nii.ac.jp



Top [Workflow](#)

Type and press enter to search [Search](#) [Advanced](#)

Full text Keyword

Index Tree


- ▷ Faculty of Agricultural Sciences
- ▷ Faculty of Arts
- ▷ Faculty of Basic Medical Sciences
- ▷ Faculty of Clinical Science
- ▷ Faculty of Dental Science
- ▷ Faculty of Education
- ▷ Faculty of Environmental Sciences
- ▷ Faculty of Social Science

Item

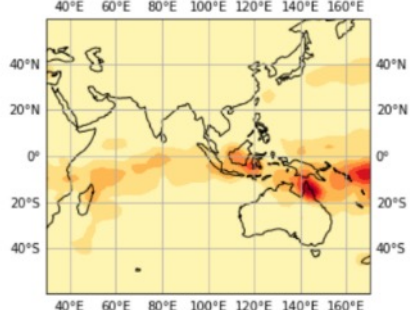
[Faculty of Education](#)


Python example


<https://research.ren.africa/records/2000020>

Preview 

```
ax.coastlines()  
ax.gridlines(draw_labels=True)  
plt.show()
```



0  views

total 

[See details](#)

Versions

Ver. 1	2024-03-01 20:18:18.503683
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[Show All versions](#)

data file from


https://repository-aggregator.ren.africa


Language: English   wekosoftware@nii.ac.jp

Repository Aggregator

Top Workflow

Type and press enter to search

 Search

 Advanced

Full text Keyword

Item Lists

1 - 20 of 20 results.

 Export

Display Order:

ID 

asc 

Display Number

20 

Blockchain in Healthcare: Securing Patient Records and Transactions

Ayuba, M.D.

Gender Diversity in STEM Fields: Challenges and Inclusivity This comprehensive review delves into the current state of gender diversity in STEM (Science, Technology, Engineering, and Mathematics) fields, highlighting both the progress made and the persistent challenges faced by underrepresented genders. We explore factors contributing to the gender gap in STEM, including societal biases, stereotypes, and workplace dynamics. Additionally, we showcase successful initiatives and policies aimed at promoting inclusivity and equity in STEM education and careers. The findings underscore the importance of fostering diverse and inclusive STEM environments to drive innovation and address complex global challenges.

Urban Green Spaces and Mental Well-being: An Integrated Approach

Datiri, Dachollom Dorcas

Sustainable Urban Planning for Megacities: A Global Perspective This study examines sustainable urban planning strategies tailored to the unique challenges posed by megacities worldwide. Drawing on case studies from various continents, we analyze successful approaches to urban development that prioritize environmental sustainability, social equity, and economic growth. Key aspects under investigation include transportation systems, green infrastructure, affordable housing, and community engagement. By synthesizing best practices and lessons learned, this research aims to provide urban planners, policymakers, and stakeholders with a comprehensive framework for creating resilient and livable megacities in the 21st century.

Blockchain Applications in Healthcare: Safeguarding Patient Records and Transactions

Harvest metadata from demonstration repositories

The screenshot shows the WEKO interface with a green header and a dark sidebar. The main content area is titled 'Harvesting' and includes tabs for 'List', 'Create', 'Edit', and 'Details'. A 'Filter' input field is present. The configuration details for the repository 'research.ren.africa' are as follows:

Repository Name	research.ren.africa
Base Url	https://research.ren.africa/oai
From Date	
Until Date	
Set Spec	
Metadata Prefix	jpcoar_1.0
Target Index.Index Name	research.ren.africa
Update Style	0
Auto Distribution	0
Running Status	Harvesting is not running
Harvesting	Run

Below the configuration is a 'Running logs' table:

#	Start Time	End Time	Status	Processed Items	Created Items	Updated Items	Deleted Items	Error Items	Error Message, Url
1	2024-03-04T05:00:32.877238+09:00	2024-03-04T05:01:15.464463+09:00	Successful	20	20	0	0	0	
2	2024-03-04T04:58:23.408092+09:00	2024-03-04T04:58:24.315268+09:00	Successful	0	0	0	0	0	



Harvested result

Language: English  wekosoftware@nii.ac.jp

Repository Aggregator

Top Workflow

Type and press enter to search

 Search 

Full text Keyword

Title 

Enter Input Value

Description 

Enter Input Value



Index 

research.ren.ng research.ren.africa



 Add Search Condition

 Search 

Search Results

1 - 20 of 20 results.

 Export

Display Order: Create date  desc  Display Number 20 

 Python example

Md. Jalal Uddin

The training materials are provided for international learners. However, the following lectures on Python are available on YouTube for both international and Bangladeshi learners.

 Smart Agriculture: Leveraging IoT and Precision Farming Technologies for Sustainable Crop Production

Datiri, Dachollom Dorcas

Neuroscience of Consciousness: Recent Discoveries and Theories This comprehensive overview delves into recent discoveries and theories within the field of neuroscience that aim to illuminate the complex nature of consciousness. We examine the neural underpinnings of consciousness, explore altered states of awareness, and delve into cognitive theories that seek to explain consciousness. By synthesizing recent research, this study contributes to the ongoing discourse surrounding the enigmatic realm of human consciousness.

End Demonstration

Conclusion

- We believe the community-driven shared repository model is most sustainable and recommended for African countries.
- We built a demonstration environment and harvested metadata from demonstration repositories.
- We believe our small demonstration supports the applicability of the community-driven shared repository model for national repository platforms.

Thank you for all your support