

August 17–August 23 2024

Institute Successfully Conducts Leadership and Governance Training for Water Utilities' Board Members



A group photo of Board of Directors and Senior Managers of water utilities and other water-related institutions. The leadership has completed a 3 day training on Leadership and Governance training that was conducted by KEWI's Research and Consultancy Division.

The Kenya Water Institute successfully completed a specialized Leadership and Governance Training Course, tailored for the Board of Directors and Senior Managers of water utilities and other water-related institutions. The intensive course, held from 21st August 2024 to 23rd August 2024, was designed to equip leaders with the essential skills needed to navigate the

unique challenges facing the water sector.

The participants, took part in an extensive program that covered a wide range of important topics such as Tools and Instruments for Governance, Sustainability Reporting for Better Governance in Water and Sanitation, Water Stewardship in Water Utilities, Code of Governance for Private Organizations, among others. The course also emphasized the

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Institute Successfully Conducts Leadership and Governance Training for Water Utilities' Board Members

importance of sustainable water management and the role of governance in ensuring the long-term viability of water resources.

"The need for strong leadership and sound governance in the water sector cannot be overstated," said Mr. Nelson Kwamini, KEWI Deputy Director Research, Consultancy and Technical

The program featured a blend of interactive workshops, case studies, and expert-led discussions, allowing participants to gain practical insights and share experiences with peers. Guest speakers, including industry veterans and thought leaders, provided valuable perspectives on current trends and best practices in water

water sector and looks forward to offering more targeted training programs in the future.

Institutions which were represented included, Central Rift Valley Water Works Development Agency, Athi Water Works Development Agency, Nakuru Rural Water and Sewerage Company, T A V E V O



A training session for the Leadership and Governance participants.

Services as he officially opened the training, on behalf of Dr. Leiro Letangule, EBS, KEWI, Director/CEO.

"This course was developed specifically to address the unique challenges faced by board members, and we are proud to have provided them with the tools necessary to drive positive change in their organizations."

governance.

Feedback from participants was overwhelmingly positive, with many praising the course for its relevance, depth, and the quality of instruction. The training has been invaluable in enhancing understanding of governance issues specific to the water sectors.

KEWI remains committed to supporting the professional development of leaders in the

Water and Sewerage Company, Meru Water and Sewerage Company, Tana River Water and Sewerage Company, Water Sector Trust Fund, Kwale Water and Sewerage Company, M o m b a s a

Water and Sewerage

Company, Lake Victoria North Water Works Development Agency and Unicorp.

As KEWI continues to play a pivotal role in capacity building for the water sector, this training program exemplifies the institute's dedication to empowering leaders with the necessary tools to lead their organizations with integrity and effectiveness.

Shaping the Future of Water: Join Us at Kenya Water Institute

BY: ERIC WAMITI

At the heart of the water sector in Kenya lies a dynamic institution dedicated to shaping the future of the sector – Kenya Water Institute (KEWI). As a premier training institution under the Ministry of Water, Sanitation, and Irrigation, KEWI stands as a beacon of excellence, committed to enhancing service and standards through innovative education, research, and consultancy.

Why Choose KEWI?

In an era where sustainable water management is more crucial than ever, KEWI offers cutting-edge programmes designed to equip you with the skills and knowledge needed to make a difference. Whether you're passionate about water resources, irrigation management, or water and wastewater engineering, our diploma, craft, and artisan programmes are tailored to meet the demands of today's water sector.

Our Competency-Based Programmes?

KEWI's programmes are developed under the Competency-Based Education and Training (CBET) framework, ensuring that you gain hands-on experience and practical skills that set you apart in the job market. All our programmes are approved by



A section of the modern library at Kitui Campus.

the Technical and Vocational Education and Training Authority (TVETA), giving you the assurance of quality and industry relevance.

Explore Our Diploma Programmes:

- Water Engineering Technology
- Water Resources Management Technology
- Water and Wastewater Laboratory Technology
- Irrigation and Drainage Technology

Craft Certificates:

- Water Engineering Technology
- Water and Wastewater Laboratory Technology
- Irrigation and Drainage Engineering Technology

Artisan Certificates:

- Plumbing and Pipe Fitting
- Water Operations Course

State-of-the-Art Facilities

At KEWI, we believe in providing the best learning environment. Our modern laboratories and workshops, ICT and Geo-Information laboratories, and Non-

Revenue Training Centre are just a few of the resources that support your education. Additionally, our classrooms and training platforms are designed with the latest technology to enhance learner's experience.

A National Presence

With campuses in Nairobi, Kisumu, Kitui, and Chiakariga in Tharaka Nithi, KEWI is within reach no matter where you are in Kenya. Our network of over 120 expert trainers is dedicated to guiding you every step of the way, ensuring you receive personalized attention and mentorship.

Join Us Today!

Whether you're a recent school leaver, a professional looking to upskill, or someone passionate about making a difference in the water sector, KEWI has a place for you. Our programmes are not just about education – they're about empowering you to be a leader in water management and sustainability.

Make the choice that shapes your future. Enroll at Kenya Water Institute and be part of the change that our country and our region desperately need.

Visit our campuses or our website to learn more and apply today. Together, let's make waves in the water sector!

Transforming Sanitation: KEWI Empowers Youth and Farmers with Innovative Solutions



A group photo of SATO Training participants at Kisumu Campus.

BY: J. SUMANCHA

In a groundbreaking effort to revolutionize sanitation and public health, the Kenya Water Institute (KEWI) has launched an exciting training program aimed at empowering youth and farmers across Kenya. This initiative focuses on low-cost safe pit latrine technology, commonly known as SATO, and green toilet systems (GTS). These innovative solutions are set to tackle sanitation challenges in areas where conventional sewage systems are a luxury.

Kenya, with its vibrant population of over 53 million people, faces significant sanitation hurdles. Shockingly, around 28 million people lack access to clean and safe water, while 41 million are without improved sanitation facilities. These staggering figures

highlight the urgent need for effective and affordable sanitation solutions.

SATO technology – a practical and affordable game-changer for safe sanitation. These specially designed latrine pans minimize odors and prevent the spread of diseases by creating a barrier between the user and the waste. Meanwhile, green toilet systems are eco-friendly marvels that not only manage waste effectively but also transform it into valuable resources like organic fertilizer.

KEWI's training program is part of a broader mission to enhance technical skills and promote sustainable sanitation practices. Supported by the African Development Bank (AfDB), the program aims to equip participants with the knowledge and skills needed

to implement and maintain these technologies in their communities.

The training sessions, held at KEWI's Kisumu campus, brought together enthusiastic participants from various regions, including Rift Valley, Western, Nyanza, Lower Eastern, and Central Kenya. These regions have been chosen as pilot areas for the rollout of these water-saving sanitation technologies. The program targets youth and farmers, recognizing their pivotal role in community development and environmental stewardship.

The training program's primary goals are to enhance technical skills, promote public health, create job opportunities, and support environmental conservation. Participants are trained in the installation, maintenance, and benefits of

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SATO and green toilet systems. By improving sanitation facilities, the program aims to reduce the incidence of waterborne



diseases. Additionally, the training empowers participants to become entrepreneurs in the sanitation sector, creating job opportunities and boosting local economies. Green toilet systems help in recycling waste into organic fertilizer, promoting sustainable agriculture.

The training program employs a hands-on approach, ensuring that participants gain practical experience. The sessions include workshops and demonstrations where participants learn about the design, construction, and maintenance of SATO and green toilet systems. Field visits allow trainees to observe the technologies in action and understand their impact on communities. Experienced trainers provide ongoing mentorship and support to ensure successful implementation of the technologies.

Implementing such a comprehensive training program comes with its challenges, including

overcoming traditional beliefs and practices related to sanitation, ensuring adequate resources for training and implementation, and maintaining the long-term sustainability of the technologies. KEWI collaborates with local governments and international partners to secure necessary funding and support and provides regular follow-ups and support for trained individuals.

The impact of this training program extends beyond individual participants. By empowering youth and farmers with these skills, KEWI is fostering a culture of innovation and sustainability within communities. The trained individuals are expected to become champions of these technologies, spreading awareness and encouraging others to adopt safe and eco-friendly sanitation practices.

Moreover, the program addresses common misconceptions and cultural barriers related to the use of

human waste as fertilizer. By demonstrating the benefits and safety of these practices, the training helps to shift attitudes and promote acceptance of these innovative solutions.

KEWI's initiative to train youth and farmers on low-cost safe pit latrine technology and green toilet systems is a commendable effort towards achieving Sustainable Development Goal 6, which aims to ensure availability and sustainable management of water and sanitation for all. As outlined in Kenya Vision 2030 and the Constitution of Kenya 2010, KEWI is committed to improving sanitation and public health across the country. By equipping communities with the knowledge and tools to improve sanitation, KEWI is not only enhancing public health but also contributing to environmental conservation and economic development.

This training program, which concluded today, Friday, August 23, 2024, is a testament to the power of education and innovation in addressing some of the most pressing challenges faced by communities today. As more individuals become equipped with these skills, the ripple effect will lead to healthier, more sustainable communities across Kenya.

KEWI Reviews its Short Courses Syllabi to Address Emerging Challenges and Offer Market-Driven Solutions to the Water Sector



Participants of a short course training in Water Harvesting and Storage during a field study.

BY PIUS KIMANI

Kenya Water Institute's (KEWI) role in the water sector is increasingly becoming significant and pronounced as the need to enhance management of this scarce commodity increases. Mandated to promote standards of service in the water sector through human resource development, research, consultancy, and outreach services, the institute is thus required to always stay ahead of the loop as it's the lead organization when it comes to capacity building for the water sector.

And to respond to this critical call, the institute has a Short Courses department

under the Research, Consultancy & Technical Services Division. This department, among many other duties, is geared towards equipping water sector personnel with the latest knowledge and skills, addressing specific skill gaps within organizations in the water and related sectors, exposure to new ideas and technologies to innovation within the water sector, and empowering personnel with the knowledge needed to make informed decisions regarding water management practices.

The institute appreciates the important role that the personnel in the water sector play in order to achieve

gradual realization of universal access to water and sanitation and therefore has placed short courses for all levels and categories of personnel, from the lowest ranking officers to the highest.

The short courses cater to personnel in the Ministry of Water Sanitation and Irrigation and other related ministries, Water Service Providers, Water Works Development Agencies, Water Services Regulatory Board, Water Resources Users Association, Basin Water Resources Committees, and all other institutions established under the Water Act 2016, county government water departments. Trainees from the private sector, non-governmental organizations,

KEWI Reviews its Short Courses Syllabi to Address Emerging Challenges and Offer Market-Driven Solutions to the Water Sector

and foreign countries.

The trainees attend the programs on the four KEWI campuses at Chiakariga, Kisumu, Kitui, and Nairobi Campuses, with the courses taking a duration of 5 days unless customized upon the client's request and needs. To further enhance and improve its reach, the training activities may be conducted at the client's workstation or any other preferred venue.

To handle the personnel who largely constitute people with considerable experience in the water or related sectors, the caliber of faculty and trainers at the Institute are distinguished professionals with appropriate knowledge, training, and, above all, rich practical experience in the water sector.

With an aim to offer the most current and market-driven trainings, the Institute

has reviewed some of the old short courses and introduced new syllabi intended to address existing shortfalls in the water sector. Short courses may also be custom-made upon request to meet the specialized requirements of individual public institutions.

To enhance delivery of this critical dispensation, the institute offers the training to different levels of management in organizations.

The managerial, supervisory and technical personnel across different

working environments are trained on various courses such as Strategic Leadership in Water Management, Management of Public Private Partnerships for the Water Sector, Water Governance, Management of Public Private Partnerships for the Water Sector, Water Quality Management, Water Quality Management, Environmental Impact Assessments and Environmental Audits, Integrated Water Resources Management for Water Professionals, Climate Financing for the Water Sector, Impact Assessments and Environmental Audits, Integrated Water Resources Management for Water Professionals, Climate Financing for the Water Sector. These trainings target Senior Management in National & County Governments, Water Companies and Water Sector Institutions, County Water Officers, Water Resources Managers and NGOs in Water Resources Management, Policymakers and EIA developers in public and private agencies CEOs, Water Sector Financial Managers, Policy Makers

MANAGERIAL COURSES				
	CODE	COURSE NAME	TARGET GROUP	DATES
1.	MM08	Strategic Leadership in Water Management	Senior Management in National & County Governments, Water Companies and Water Sector Institutions	3 rd - 7 th Feb 2025
2.	MM11	Management of Public Private Partnerships for the Water Sector	Senior Management in National & County Governments, Water Companies and Water Sector Institutions, Private Sector	11 th - 15 th Nov 2024 2 nd - 6 th June 2025
3.	WQ04	Water Governance	County Water Officers, Water Resources Managers and NGOs in Water Resources Management	25 th - 29 th Nov 2024 3 rd - 7 th Feb 2025 7 th - 18 th April 2025
4.	WQ05	Water Quality Management	Policymakers and EIA developers in public and private agencies	19 th -23 rd August 2024 14 th - 18 th April 2025
5.	WQ05	Environmental Impact Assessments and Environmental Audits	Policymakers, EIA Developers in Public and Private Agencies	11 th - 22 nd Nov 2024 5 th - 16 th May 2025
6.	WQ10	Integrated Water Resources Management for Water Professionals	Senior Management in County Governments, National Government, Water Companies and Water Sector Institutions, Private Sector Partners	16 th - 20 th Sept 2024 10 th - 14 th March 2025
7.	WQ12	Climate Financing for the Water Sector	CEOs, Water Sector Financial Managers, Policy Makers	21 st - 25 th Oct 2024 5 th - 9 th May 2025

Above and below. Some of the programs offered by the Short Courses Department.

TECHNICAL COURSES				
	CODE	COURSE NAME	TARGET GROUP	DATES
25.	EM09	Solar Energy for Water Supply	Construction Pipefitters/ Plumbers, Water Technicians, Instrumentation Technicians	16 th - 20 th Sept 2024 20 th - 24 th Jan 2025
26.	GW01	Drilling Techniques	Technicians in Drilling Companies, Professional Drillers	11 th - 15 th Nov 2024 3 rd - 7 th Feb 2025
27.	MM01	Management of Metering, Billing and Revenue Collection	Water Supply Operators, Meter Readers, Billing Officers, Technical Teams, Customer Care, Revenue Collectors	12 th -16 th Aug 2024 28 th Oct - 1 st Nov 27 th - 31 st Jan 2025 7 th - 11 th April 2025
28.	MM04	Customer Care and Public Relations	Water Supply Operators, Foremen in Metering, Meter Readers, Customer Care and Billing Officers	23 rd - 27 th Sept 2024 10 th - 14 th March 2025
29.	MM13	Smart Water Metering	Water Supply Operators, Meter Readers, Customer Care and Billing Officers, Technical Teams	15 th - 19 th July 2024 15 th - 18 th Octo 2024 2 nd - 6 th June 2025
30.	WQ01	Practical Water Quality Sampling and Testing	Lab Technicians, Ground/Surface Water and Water Research Officers, Personnel working in Water Bottling Companies	9 th - 13 th Sept 2024 13 th - 17 th Jan 2025
31.	WS02	Water Sanitation Hygiene	Water Supply Operators, Community Health Workers, Community members	23 rd - 27 th Sept 2024 10 th - 14 th March 2025

Impact Assessments and Environmental Audits, Integrated Water Resources Management for Water Professionals, Climate Financing for the Water Sector. These trainings target Senior Management in National & County Governments, Water Companies and Water Sector Institutions, County Water Officers, Water Resources Managers and NGOs in Water Resources Management, Policymakers and EIA developers in public and private agencies CEOs, Water Sector Financial Managers.

KEWI, therefore seeks to invest heavily in this component so as to ensure that there is sustainability in the operation ability of the water sector in the country.

KEWI Drives BETA Through Targeted Training, Research, and Innovation



KEWI students display an innovation on Smart Irrigation System during a previous symposium at KEWI.

BY: FAIZAH JEPKORIR

The Kenya Water Institute (KEWI) is emerging as a key player in advancing the government's Bottom-Up Economic Transformation Agenda (BETA). This development blueprint aims to transform the nation by focusing on crucial sectors such as agricultural transformation, Micro, Small, and Medium Enterprises (MSMEs), housing and settlement, healthcare, and digital transformation.

KEWI's role in supporting BETA is underscored by its extensive training programs and research initiatives, all of which align with the agenda's objectives. These include

reducing the cost of living, creating jobs, promoting equitable income distribution, enhancing social security, expanding the tax base, and increasing foreign exchange earnings.

In the affordable housing sector, KEWI has been instrumental by supplying skilled manpower in essential areas like plumbing, water resources management, and water and wastewater sanitation technology. This contribution is vital in the government's efforts to provide affordable and decent housing for all Kenyans.

Recognizing the critical importance of irrigation in achieving food security, KEWI has focused on training

professionals in irrigation and drainage engineering technology. This specialized training plays a significant role in boosting agricultural productivity and ensuring the nation's food supply.

KEWI's research division, in partnership with international organizations such as the Japan International Cooperation Agency (JICA), the Danish International Development Agency (Danida), and Gatsby Africa, has led the way in innovative research. This includes the development of water-efficient irrigation technologies, rainwater harvesting in arid and semi-arid lands (ASALs), and exploring the use of human waste in agriculture.

KEWI Drives BETA Through Targeted Training, Research, and Innovation

Water is an essential component of universal healthcare, and KEWI has been proactive by training water technologists and strengthening the capacities of Water Service Providers (WSPs) to meet and maintain high water quality standards.

Additionally, KEWI's advanced water quality laboratory continues to support WSPs through water testing and the training of water quality technicians, contributing significantly to reducing the spread of waterborne diseases.

As part of its mandate in Technical and Vocational

Education and Training (TVET), KEWI is dedicated to producing graduates who are well-prepared for employment or business ventures. This effort is crucial in supporting the growth of MSMEs in Kenya. To further



this objective, KEWI has integrated entrepreneurship courses into its training programs, ensuring that those venturing into MSMEs have the necessary skills for long-

term sustainability.

In response to the government's push for digital transformation, KEWI has digitized its services, including training, research, and student registration. Through its Information and

Communications

Technology (ICT) training programs, KEWI is fostering a digitally empowered citizenry, ready to contribute to Kenya's evolving digital economy.

As KEWI continues to align its initiatives with the BETA framework, the institute remains committed to enhancing access to water, improving sanitation services, and supporting the nation's broader development goals.

Quote of the Week

"Before you are a leader, success is all about growing yourself. When you become a leader, success is all about growing others."

-Jack Welch.

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- Wastewater & Sanitation Engineering Technology
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- Water Resources Management
- Water Laboratory Technology
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- Irrigation & Drainage Engineering Technology
- Water Resources Management
- Water Laboratory Technology
- Information Communication Technology



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- Water Operator Courses in Water Supply, Meter Reading and Sewerage Options



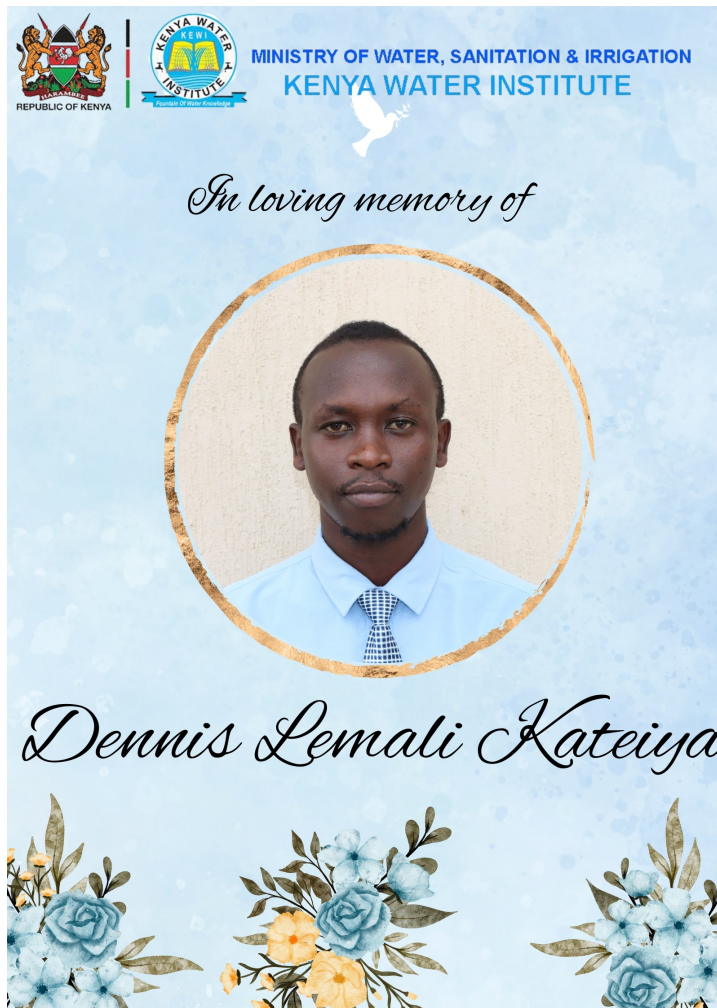
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admissions@kewi.or.ke

TRANSITION TO GLORY



It is with deep sadness that we announce the passing on of Dennis Lemali Kateiya and Ebenezer Maluki Musili, valued members of the KEWI Community. Both Dennis, a staff member in the Research, Consultancy, and Technical Services Division, and Ebenezer, a second-year Certificate in Water Engineering Technology student on the Nairobi Campus, met their untimely deaths in separate road accidents.

Dennis and Ebenezer will be laid to rest on Saturday, August 24, 2024, in Baringo and Kitui Counties respectively.

During this difficult time, KEWI Community mourns this loss and extends heartfelt condolences to their families and loved ones.

May their souls Rest in Eternal Peace

Round up of The Week's Events

ROLES OF BOARDS AND MANAGEMENT

- Boards are the vision carriers on behalf of the Chairperson of the Board
- The secretary/CEOs/MDs are the mission carriers
- The management implements the vision and mission



Moments during the Leadership and Governance training for water institutions heads that was organized by KEWI.

Long - Term Programmes

Diploma in Water Engineering Technology (DWET) Diploma in Wastewater
 Diploma in Water, Sanitation Engineering Technology (DWSET)
 Diploma in Water Resources Management Technology (DWRMT)
 Diploma in Irrigation and Drainage Engineering Technology (DIDET)
 Diploma in Information Communication Technology (DICT)-KNEC
 Diploma in Water Laboratory Technology (DWLT)
 Certificate in Wastewater and Sanitation Engineering Technology (CWSET)
 Certificate in Water Resources Management Technology (CWRMT)
 Certificate in Information Communication Technology (CICT)- KNEC
 Certificate in Water Laboratory Technology (CWLTL)
 Certificate in Water Engineering Technology (CWET)
 Drilling Operations and Management (DOM)
 Plumbing and Pipe Fitting (PPF)
 Water Operators Course (WOC) in:

- Water Supply
- Meter Reading
- Sewerage Operations

Short - Term Programmes

Use of Earth Observation Tools and GIS for Water Resources Management
 Entrepreneurship and Financial Management for Water Managers
 Operation and Maintenance of Water Supply Networks
 Metering and Installation of Water Supply Networks
 Leak Detection & Repair techniques
 Drilling Operations and Management (DOM)
 Operation & Maintenance of Pumping Stations
 Pump Selection, Installation and Maintenance
 Plumbing, Pipe Fitting and Solar Water Heating
 Instrumentation for Water and Wastewater Systems
 Water Governance, Management and Technology
 Application of GIS for Water Utilities Mapping
 Drilling Operations and Management
 Water Quality Sampling and Testing
 Microbiological Water Quality Assessment
 Integrated Water Resources Management
 Non-Revenue water
 Water Management
 Customer Care

Vision

A Technical Centre of Excellence in Training, Research, Innovation and Consultancy in the water, Sanitation and Irrigation Sector.

Mission

To offer Competency-Based Training, Research, Innovation, Consultancy and Outreach Services in the Water, Sanitation and Irrigation Sector for sustainable development.

Core Values

Good Corporate Governance
Professionalism
Customer Focus
Innovativeness
Inclusivity
Patriotism
Integrity

GET IN TOUCH WITH US

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