
Reimagine water

TRANSFORM WATER, CHANGE THE WORLD

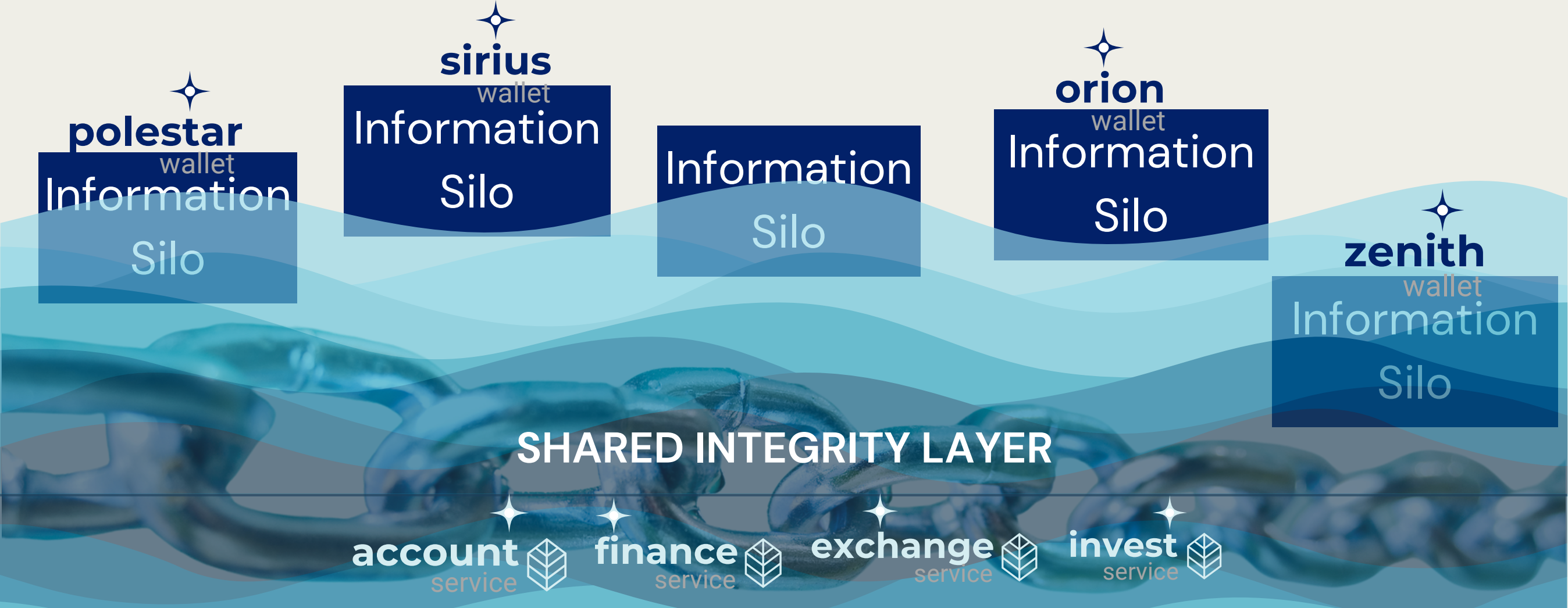
WATER TODAY



The way we account for and manage water is stuck in the twentieth century and is unprepared for the digital economy where data and information are the lifeblood of effective resource management.

SOLUTION

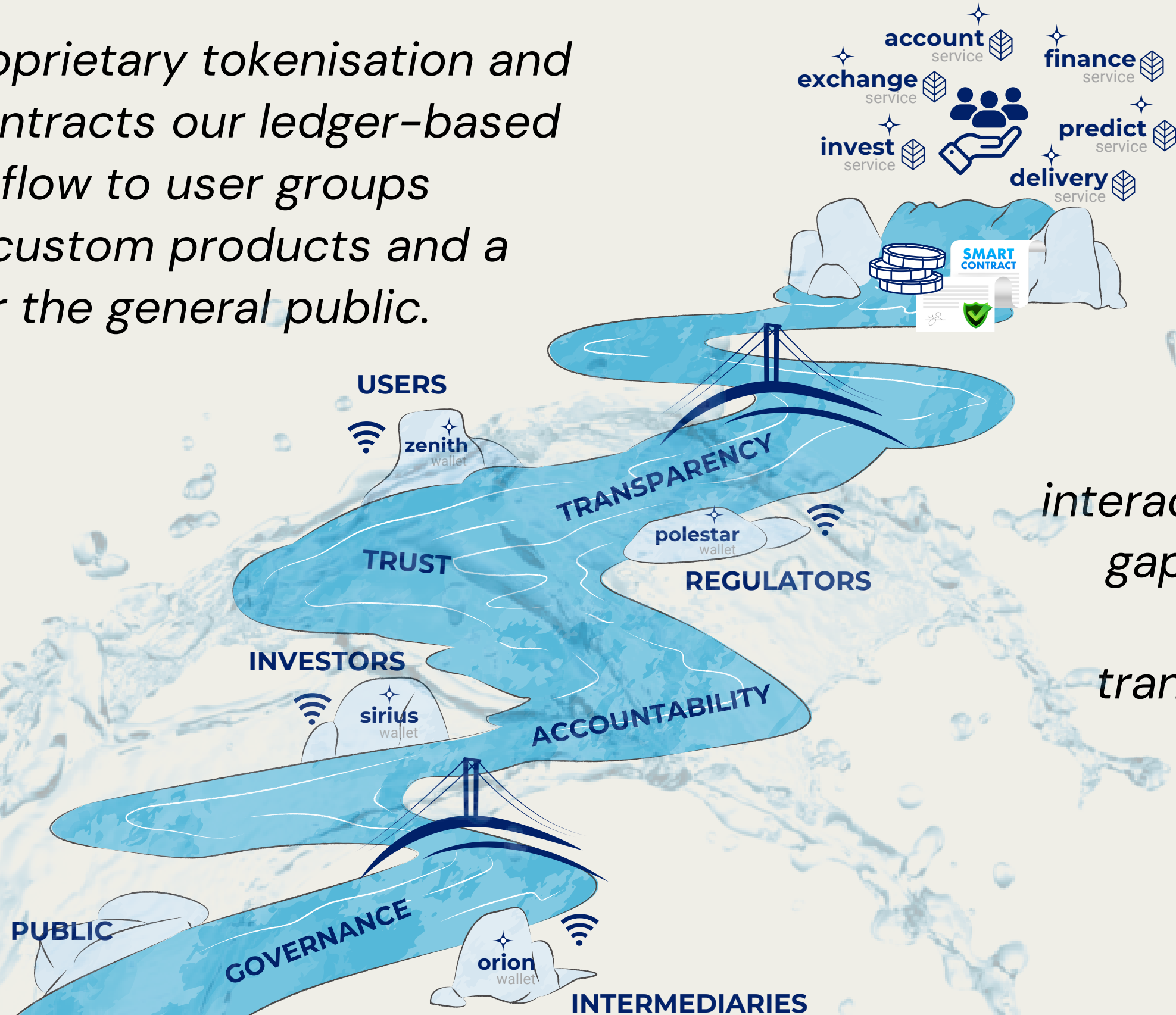
Water Ledger empowers a shared integrity layer that provides indisputable accountability between the water we have, the water we use, the water we share, and the value we exchange – fitness ready for the twenty-first century.



Water Ledger 

SOLUTION

Using proprietary tokenisation and smart contracts our ledger-based services flow to user groups through custom products and a portal for the general public.



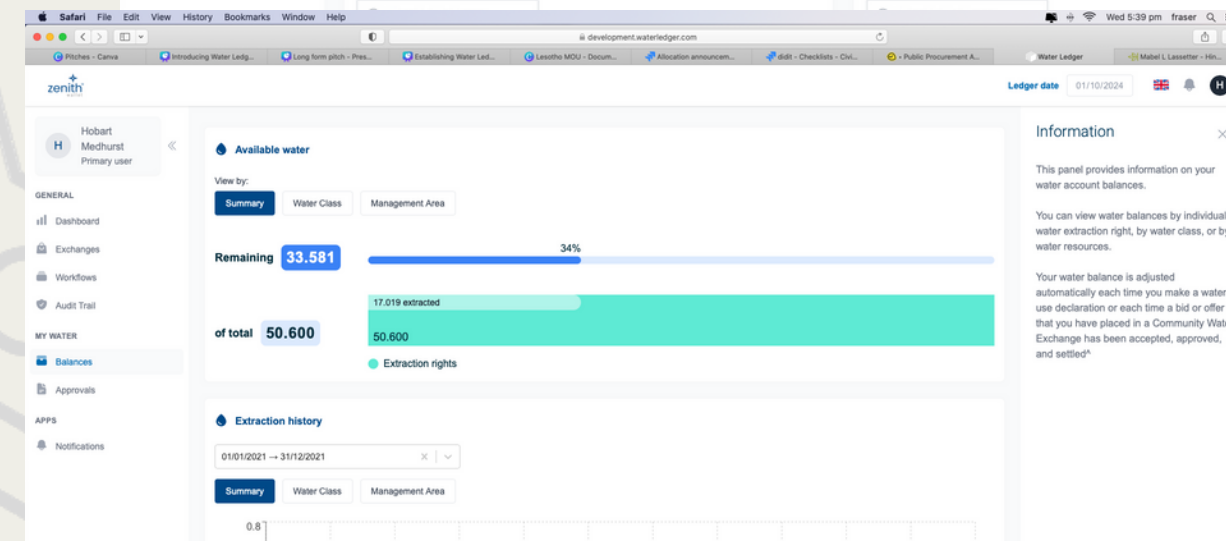
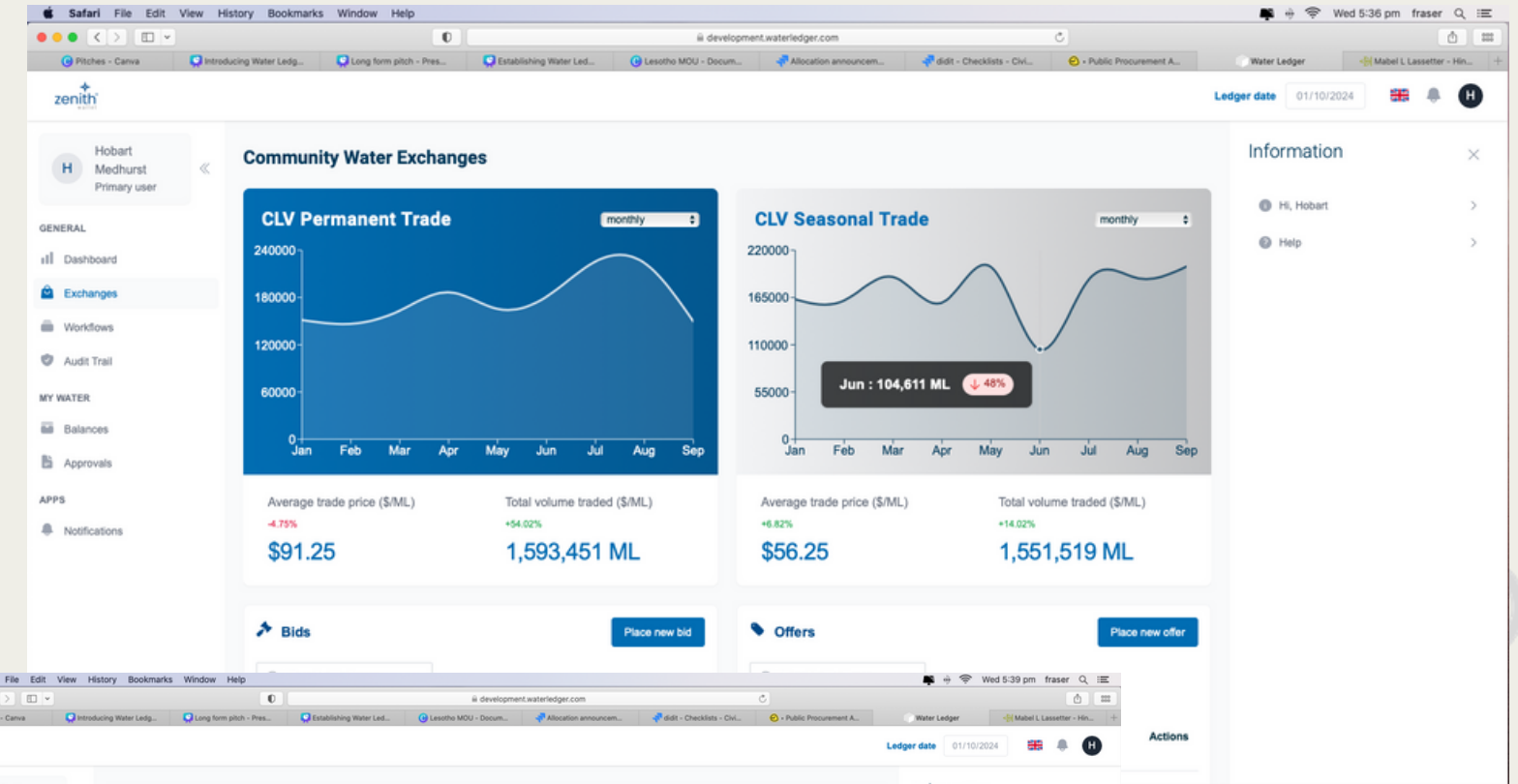
As the services and products interact they bridge the four critical gaps that undermine sustainable water management – trust, transparency, accountability, and governance.

Water Ledger 

FOR WATER USERS

Wallet/DApp for **individual** water users:

- assert and manage water rights, water balances, and exchanges
- a full evidentiary audit trail created in real-time
- instantaneous communication with other products
- immediate and free access to the ledger-powered Account service
- added functionality through upgrade to other ledger services



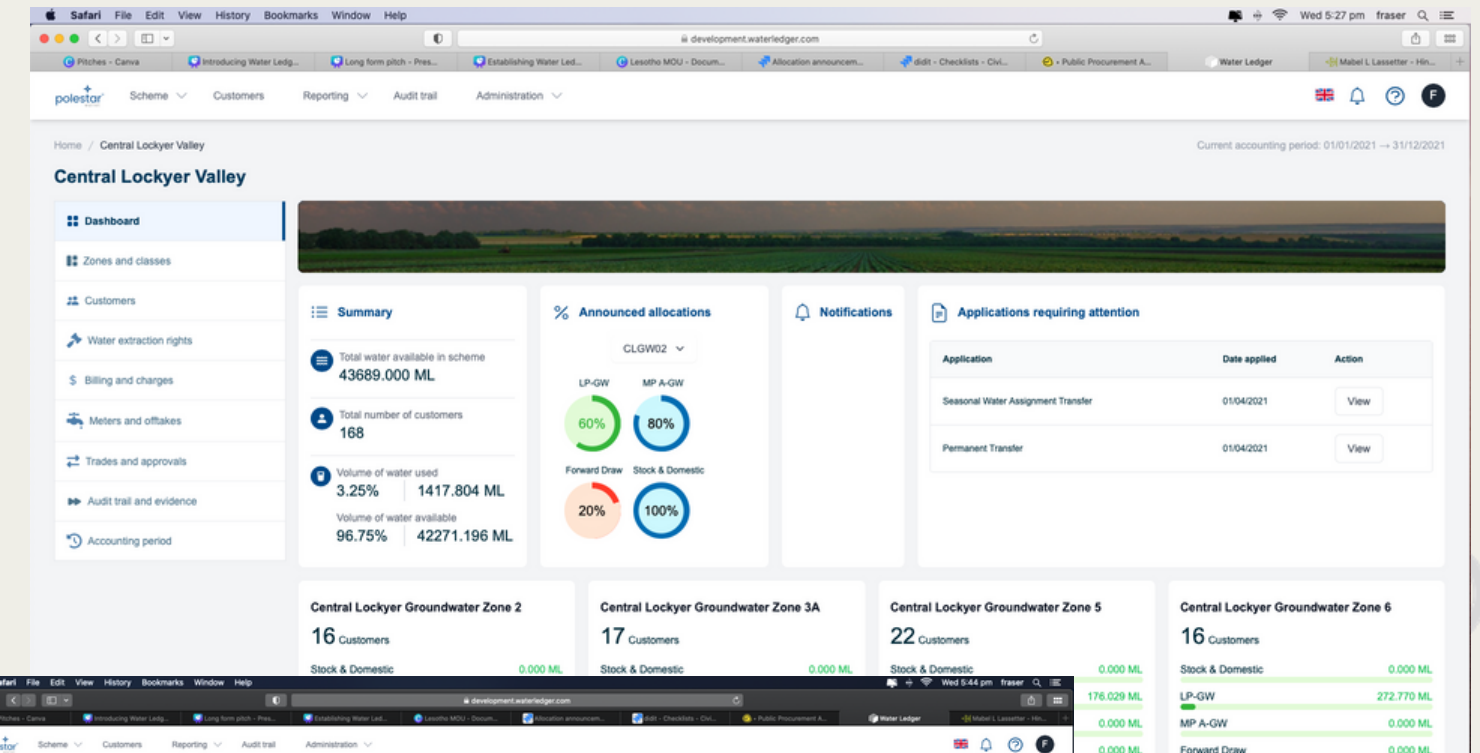
current version 0.3.0



FOR WATER MANAGERS

Wallet/DApp for organisations that manage and **regulate water resources**:

- assert and manage water resources, water classes, and exchange rates
- full visibility of water use from Zenith wallets using water resources and classes
- a full evidentiary audit trail created in real-time
- instantaneous communication with other products
- added functionality through upgrade to other ledger services



Trades and approvals

Scheme	Accounting period	Seller	Buyer	Price per ML	Volume	Status	Action date	Action
CLV	01/01/2021 - 31/12/2021	Thompson - Kuwals	Armstrong Group	\$0	3,000 ML	Approved	27/12/2023	View
CLV	01/01/2021 - 31/12/2021	Thompson - Kuwals	Armstrong Group	\$0	7,000 ML	Approved	27/12/2023	View
CLV	01/01/2021 - 31/12/2021	Kurus, Cantel and Botsford	Spoer - Friem	\$0	261,000 ML	Approved	27/12/2023	View
CLV	01/01/2021 - 31/12/2021	Kurus, Cantel and Botsford	Spoer - Friem	\$0	130,000 ML	Approved	27/12/2023	View
CLV	01/01/2021 - 31/12/2021	Kirk, Stollenberg and Murphy	Shields Group	\$0	50,000 ML	Approved	27/12/2023	View
CLV	01/01/2021 - 31/12/2021	Kirk, Stollenberg and Murphy	Shields Group	\$0	100,000 ML	Approved	27/12/2023	View

Information

This dashboard page presents information on all permanent transfers across all schemes in all water accounting periods. It is possible to add a new permanent transfer.

Approval status

- Pending: the application has been pending
- Approved: the application has been approved
- Rejected: the application has been rejected
- Require Info: the application needs more information
- In draft: the application is currently in draft
- Abandoned: the application has been abandoned

current version 0.3.0



FOR WATER INVESTORS

Wallet/DApp for individuals and organisations that invest in **non-revenue water** projects:

- build portfolio of investments through project marketplace(s)
- manage project funding on-ledger
- track money flows linked to recovered water (non-revenue water)
- ring-fenced accounts to secure investment
- due diligence on-ledger with full evidentiary audit trail created in real-time

The screenshot displays the Water Ledger South Africa interface. The top section shows 'Investment Opportunities' with a map of South Africa and three project cards: 'ster NRW - P1', 'JHB Water NRW - P2', and 'NMBM NRW - P1'. The 'Project Details' section for 'JHB Water NRW - P2' is expanded, showing a close-up image of a water tap. Key details include: Investment Sought: 2,279,000,000; Secured: 1,275,000,000; Under negotiation: 279,000,000. The project is located in Gauteng, SA, and is sponsored by DBSA. The description mentions a Phase 2 program for non-revenue water reduction. The interface also shows an 'Investment Amount' slider set to 200.75, an 'Investment type' selection (Grant, Debt, Equity), and buttons for 'Express Interest' and 'Buy In Now'. A 'planned 2024' label is overlaid on the 'Buy In Now' button. The bottom right corner of the screenshot features the Water Ledger logo.



FOR WATER INTERMEDIARIES

Wallet/DApp for individuals and organisations that offer **services** to Zenith or Polestar wallets, e.g. auditor, broker, lawyer:

- assert verified credentials on-ledger
- a full evidentiary audit trail created in real-time
- instantaneous communication with other products
- functionality based on ledger services of client wallet


orion
wallet
planned 2025


zenith
wallet


polestar
wallet


sirius
wallet


orion
wallet

Water Ledger



BUSINESS MODEL

Professional service fees

Consultancy fees to assist wallet owners setup, customise, and configure services, load historical data, training, custom development, etc

Target: Polestar, Orion, Sirius wallets

Fee type(s): Invoice based on contract

Fee rate: Cost + 5%

Take-up potential: All target customers



SaaS subscriptions

Recurring fees from wallet owners to gain access to ledger services. Fee scale will vary with number and type of services, transaction volumes, number of customer seats. Account service free for life, up to a defined transaction limit.

Target: Account (partial), Exchange, Finance, Invest services

Fee type(s): Annual subscription/licence

Fee rate: From \$1,000 USD per month

Take-up potential: All target customers



Transaction commission

Fees from wallet owners to process exchange and investment transactions on the ledger – based on transaction value as transaction volume is covered in SaaS subscriptions.

Target: Zenith, Sirius wallets

Fee type(s): % of exchange value

Fee rate: 0.5% to 5%

Take-up potential: All target customers



TRACTION

Australia

We are working with Seqwater, a bulk water operator in Queensland, to deliver a ledger-based water accountability platform. The platform includes a custom version of our Account, Finance, and Exchange services. Seqwater will become our first licensed customer in July 2024.



Lesotho

We are in the final stages of negotiating a 3 year contract to ledger the entire water resources of the Kingdom of Lesotho. This will embrace the full suite of Water Ledger products and services to position Lesotho as the first digital hydro nation in the world.



South Africa

We are working with Overstrand Municipality and Veolia to create a ledger enabled accounting and governance framework to respond to the non-revenue water crisis and enhance the bankability of water infrastructure projects. This will see the deployment of our Account, Finance, and Invest services.



TEAM



Fred

>20 years' experience in the water sector. Former CEO of JSE listed company. Holds an MBA and is Chairman of the South African Water Chamber.



Katrina

Former Director for Blockchain Australia, is a Blockchain Australia Fellow and a recognised FinTech leader in Australia.



Fraser

>20 years of experience in water tech. The former Executive Director of the World Water Council, Murray Darling Basin Authority. PhD in information technology.



Julian

Chartered Accountant. >20 years corporate finance experience in SA and Europe. >15 years direct experience in the water sector.



Benoit

>40 years in the water and waste sectors, former MD of Bateman Water. CEO of the South African Water Chamber.

Join us

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Water Ledger 