

Earth & Screen

AI WATER WISDOM

An open-source curriculum framework
for the era of artificial intelligence.

*Every time a child prompts an AI, scrolls social
media, or interacts with a cloud-connected robot, our
global water supply somewhere pays the bill — and
this curriculum teaches children how to read it.*

THE ANATOMY OF A QUERY

The cloud is not a cloud.
It is a machine that drinks.

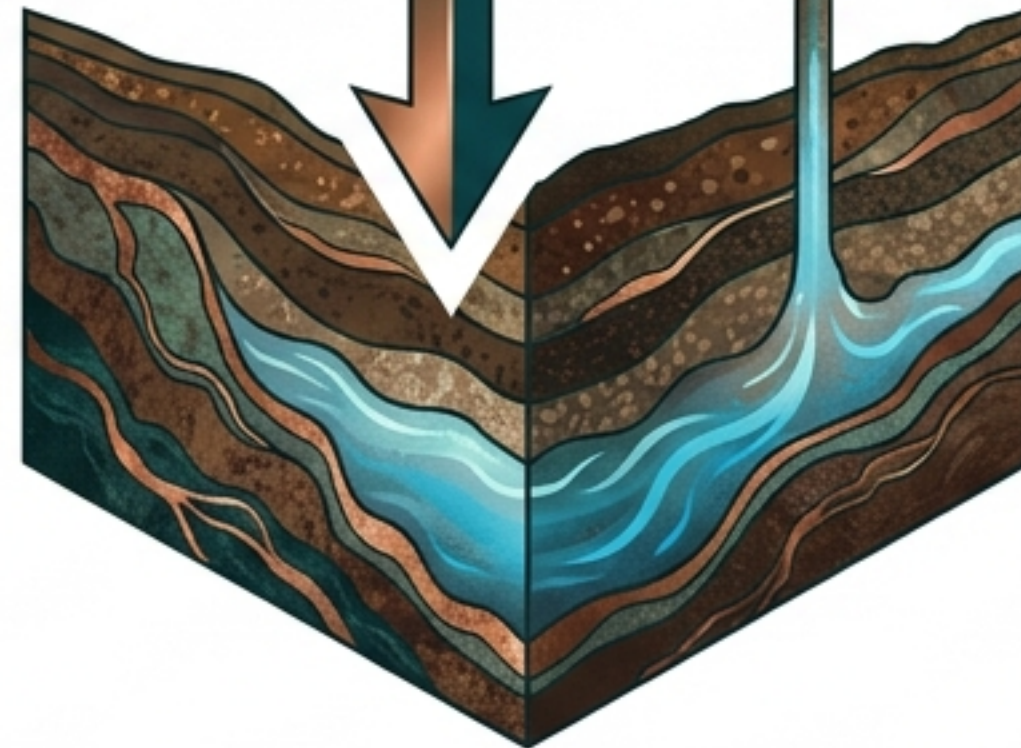
The digital world feels weightless to a child. But AI is tethered to the physical foundation of life on Earth.



1 THE ACTION:
A child asks a chatbot a question or generates an image.



2 THE PROCESSING:
High-performance GPUs in a remote data center spike in temperature to compute the math.



3 THE COST:
Millions of gallons of highly purified freshwater are pumped into cooling towers and evaporated into the sky to keep the servers from melting.

We are teaching children how to code. We are not teaching them what that code consumes.

AI infrastructure is one of the fastest-growing consumers of freshwater on the planet.

10-50 ML of Water —
Consumed by a single
ChatGPT conversation
(approximately 5-50 prompts)

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Billions of Gallons —
Annual water withdrawal by
top tech companies to cool
hyper-scale data centers.


10x Power & Cooling —
AI computing requires up to ten
times more resources than
traditional internet searches.


The world's digital convenience is subsidized by the water security of its most vulnerable communities.

Data centers have physical addresses. The water they evaporate comes from specific rivers, lakes, and aquifers. *Who lives next to the servers?*



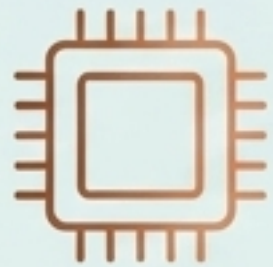
 **Low-Income Communities:**
Often zoned for heavy industrial infrastructure and large-scale tech build-outs.

 **Indigenous Populations:**
Whose ancestral water rights are frequently bypassed by rapid technological expansion.

 **Water-Stressed Regions:**
Where communities face an impossible choice between agricultural survival and data processing.

A new kind of literacy connecting digital systems, ecological science, and ancient wisdom

A modular framework designed for students aged 8–16 in any school on Earth.



Digital Literacy

Demystifying AI. Understanding algorithms, large language models, and cloud infrastructure.

Takeaway: Technology is physical.



Ecological Science

Mapping local and global watersheds. Understanding the thermodynamics of data cooling.

Takeaway: Data has an ecological weight.



Indigenous Wisdom

Studying ancient, proven systems of water stewardship. Learning from cultures that view water as kin, not a resource.

Takeaway: We already know how to protect the water.

Educator Toolkit: Student Workbook, Facilitation Guide, and a Live AI Water-Tracker Dashboard showing real-time freshwater consumption.

To navigate the future of technology, we must anchor to the wisdom of the past.

We cannot code our way out of ecological extraction. We need a fundamental shift in worldview.

The Global Archive of Water Wisdom

As part of the curriculum, Earth & Screen has built a global archive of interviews with indigenous water wisdom keepers.

- ◆ Preserving Knowledge: Capturing ancient traditions of water protection in the age of AI.
- ◆ Shifting Paradigms: Moving students from viewing water as an infinite industrial coolant to viewing it as a sacred, finite foundation of life.

We do not leave children powerless or anxious. We leave them deeply informed.



What They Will Learn

To trace the invisible, physical line between their daily digital actions and the natural world around them.

What They Will Make

Audits of their own school's digital water footprint, designing actionable plans to optimize their local technology use.

What They Will Understand

That they hold the agency to demand and design a tech ecosystem that respects planetary boundaries.

Testing the framework on the frontlines of both extraction and consumption

The curriculum is currently being piloted in two critical, contrasting global environments.



Chiang Mai, Thailand (The Site of Extraction)

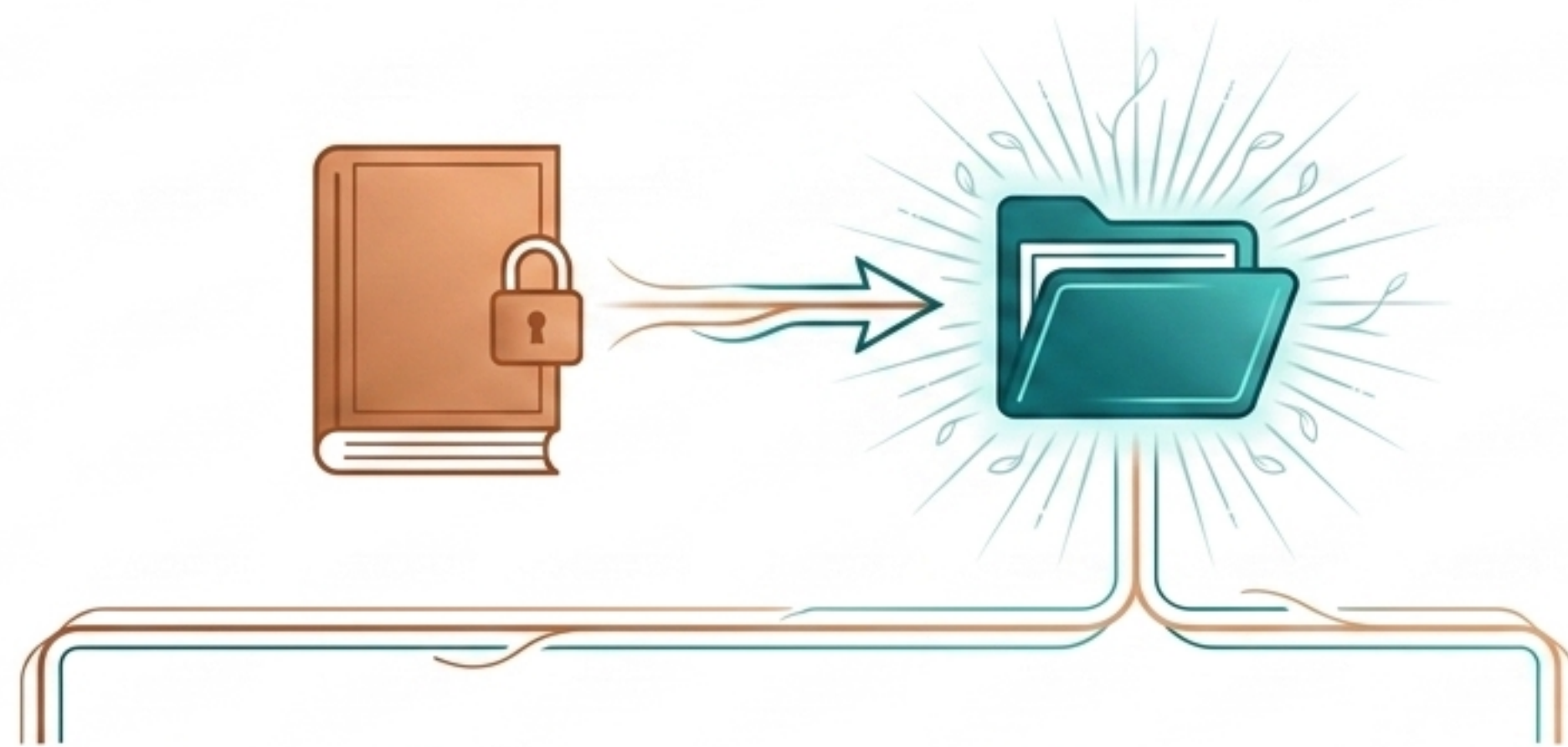
- A region currently experiencing a massive data center boom.
- Facilities are drawing billions of gallons from communities already facing severe water stress.
- Relevance: Teaching students exactly at the geographical origin of the ecological cost.

Tallinn, Estonia (The Site of Consumption)

- One of Europe's most digitally advanced, e-residency nations.
- Students here are among the world's heaviest and most fluent AI users.
- Relevance: Teaching students exactly at the apex of digital consumption.

Knowledge of our planetary boundaries belongs to every child on Earth.

The proof-of-concept unit is built as Open-Source Intellectual Property.



Free for Any School

Whether a well-resourced private academy in London or an under-resourced public school in rural Kenya, the core curriculum is entirely free to access, adapt, and teach.

The Partnership Model

For schools and districts requiring customized implementation, localized data dashboards, and dedicated educator training, we offer tiered premium licensing.

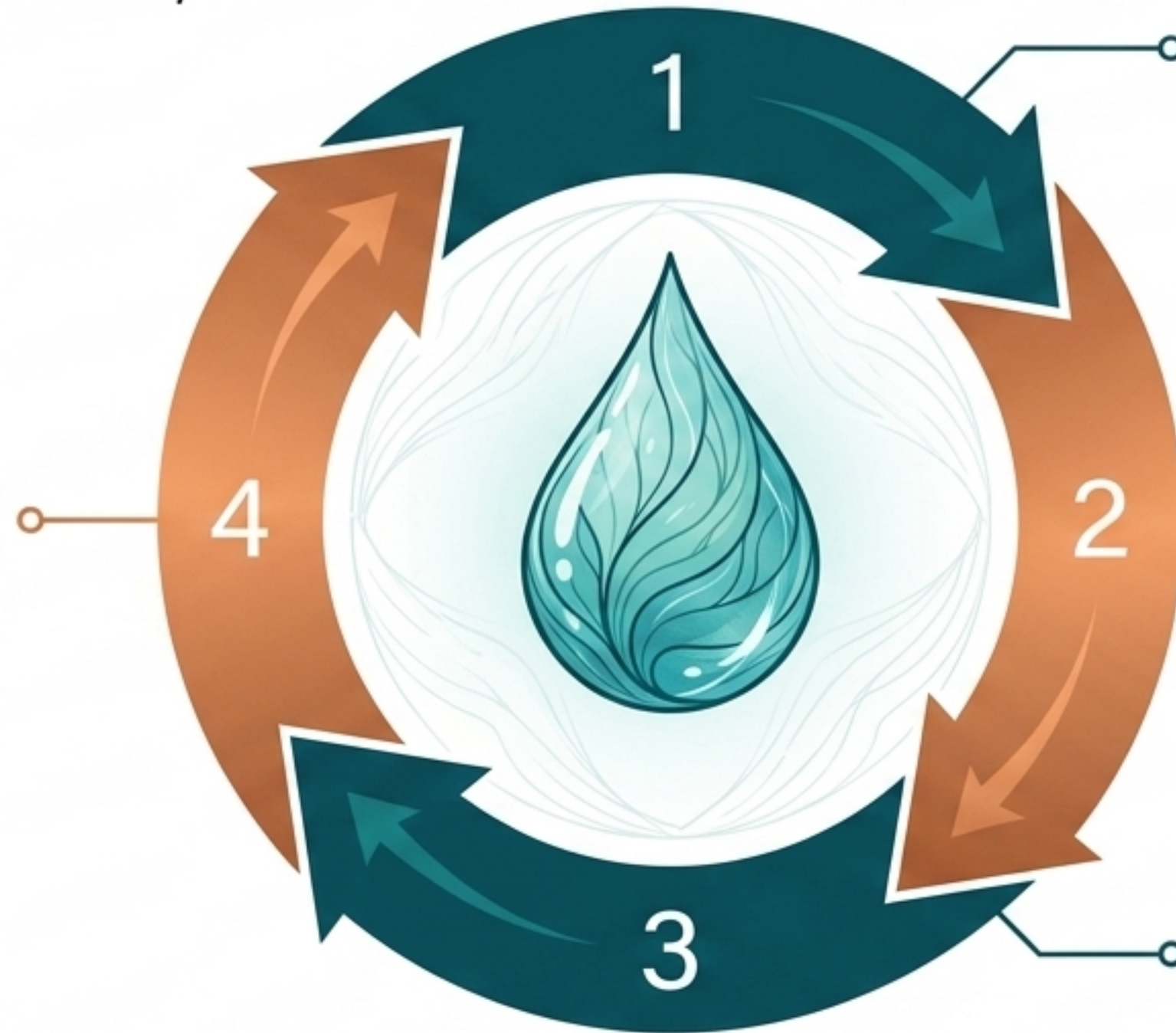
We don't just teach the ecological cost. We actively fund the repair.

AI Water Wisdom operates on a regenerative model. The mechanism of education directly funds the reversal of the problem.



4. Impact:
The curriculum actively cleans and restores the very watersheds depleted by the technology the students are studying.

The Impact Loop



1. Partnership:
A school network purchases a premium implementation license.



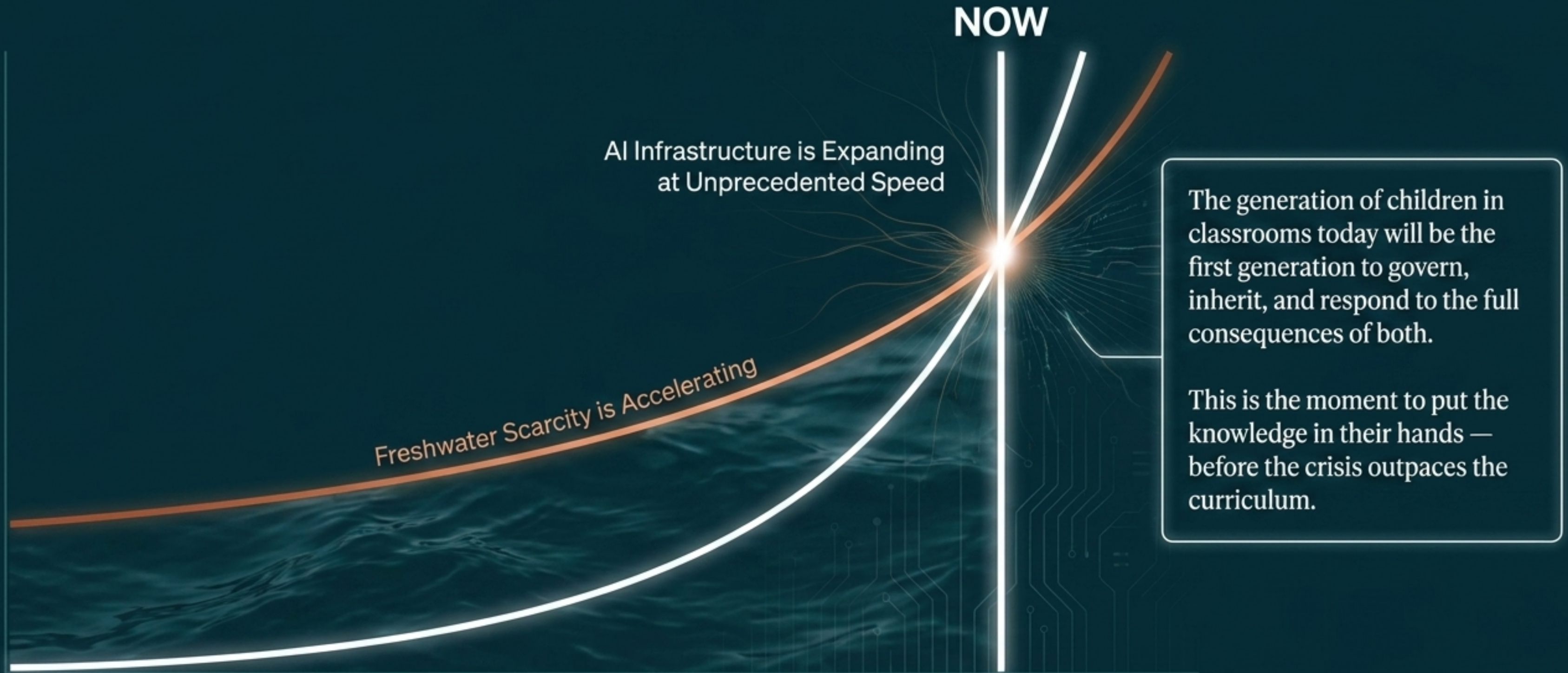
2. Education:
Students use the curriculum to map and understand the true ecological cost of the digital world.



3. Donation:
A designated portion of every license fee bypasses traditional overhead and flows directly to verified water and ocean restoration projects.



The window we are in.



Join the coalition scaling this framework globally.



Partnership

We seek curriculum directors and school networks ready to integrate AI Water Wisdom into their science or technology programming.



Piloting

We are looking for innovative schools willing to serve as beta-testers for newly localized versions of the curriculum.




Funding

We invite philanthropic partners to subsidize the open-source platform, ensuring the core framework remains forever free for under-resourced schools.



Sharing

We welcome introductions to educators, indigenous voices, and tech leaders who care deeply about the intersection of children and the planet.

A close-up photograph of a child's hands holding a clear glass filled with water. The child's face is partially visible at the top, and their hands are positioned around the base of the glass. The background is a soft-focus natural setting with green foliage and sunlight filtering through. A semi-transparent teal box with white text is overlaid on the center of the image.

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