5.ª Conferência Internacional da Rede de Museus da Água

5th International Conference Of The Global Network Of Water Museums

wamu-net

WATER MUSEUMS GLOBAL NETWORK

unesco Intergovernmental Hydrological Programme

Porto.

Facilitating Water Classrooms through Interactive Pedagogy:

Living Waters Museum

Chhavi Mathur and Sara Ahmed

Building ethical values for water security

“Water only can be saved,

For it can not be made

Dadaji (Grandpa) saw it in the river

Father saw it in the well

We’ve only seen it in taps

But what about our children?

Where will they see it?

No one knows

No one knows

No one knows…”

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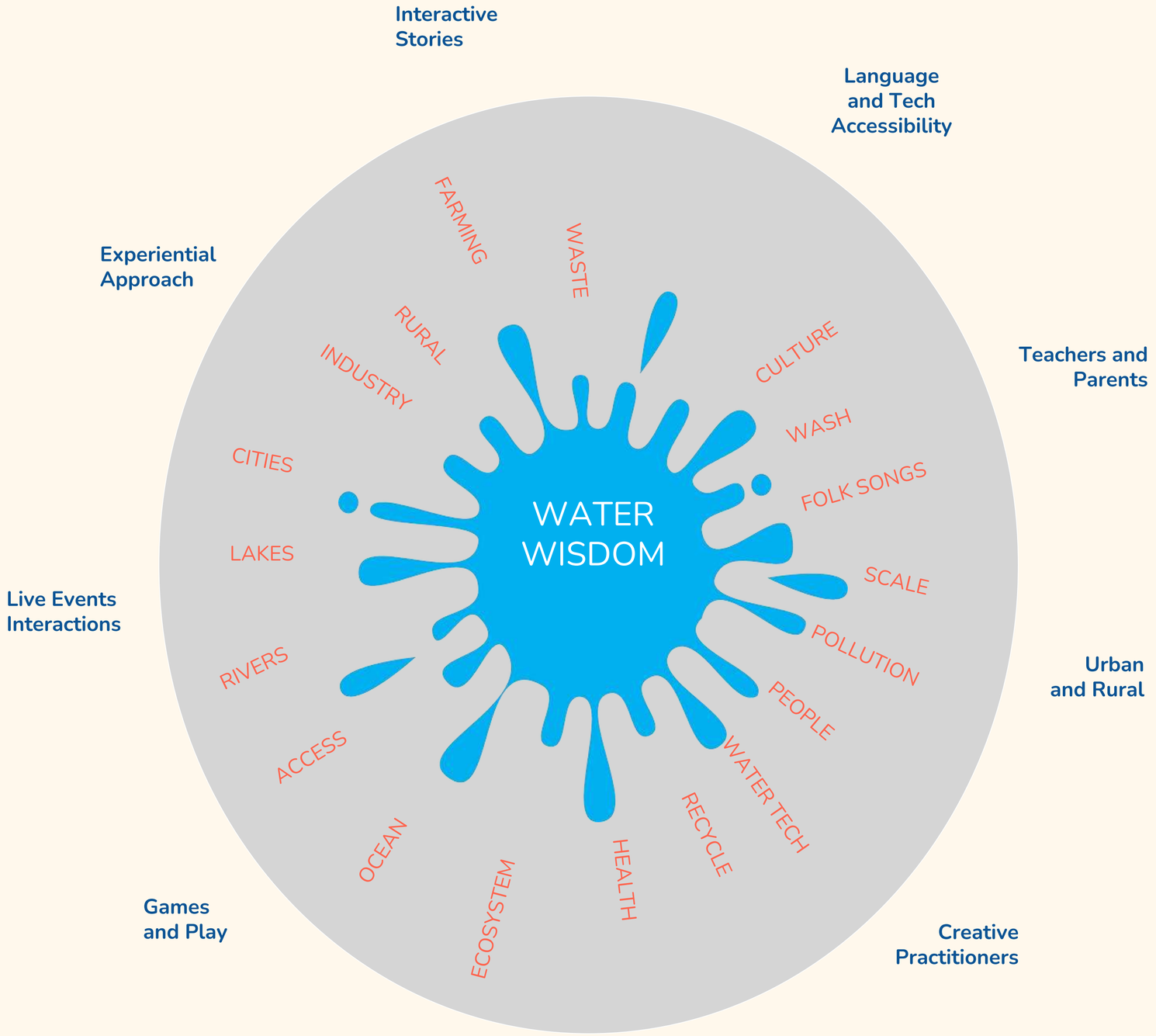

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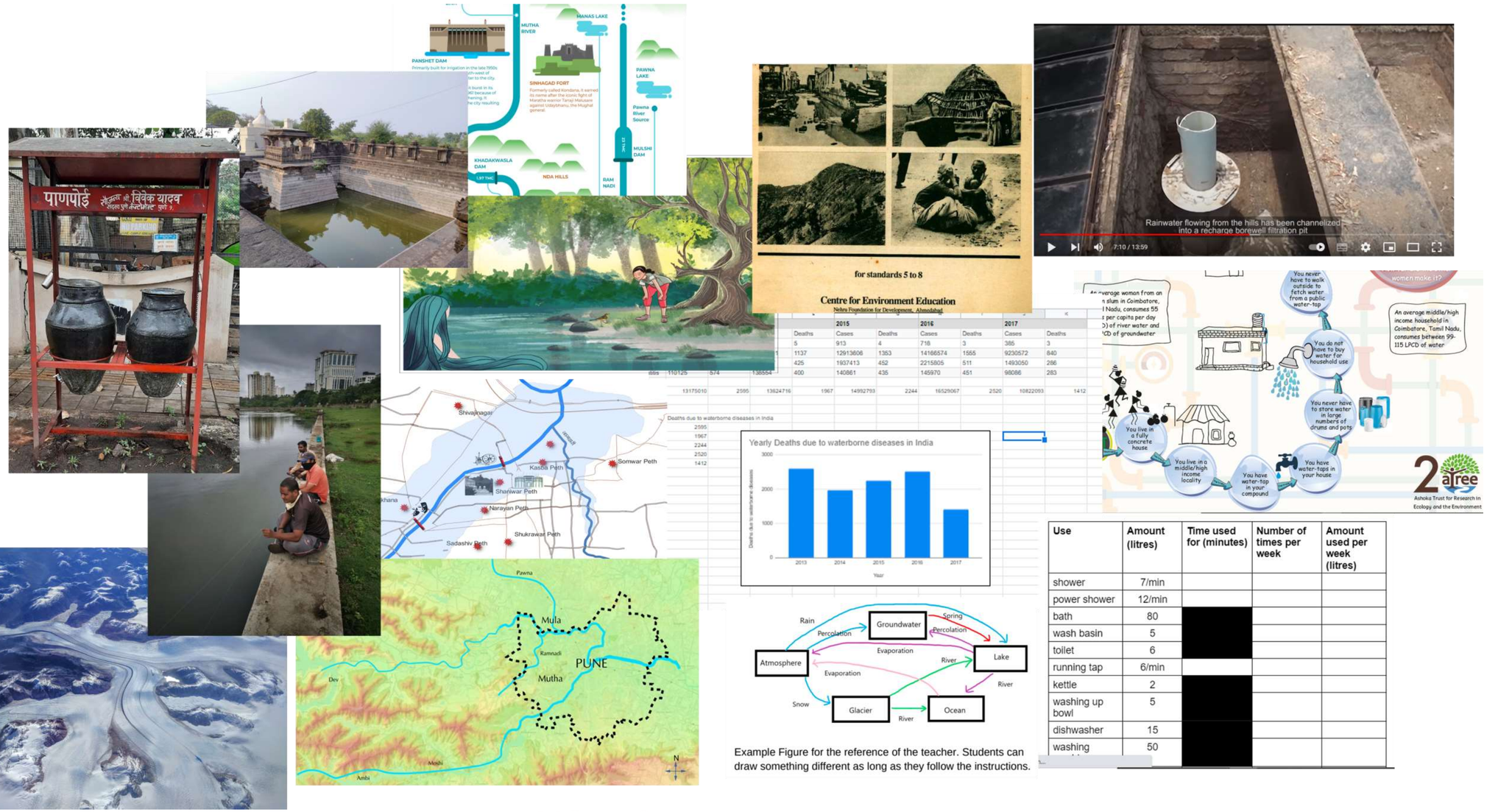
Water Classrooms: Transforming Education for Sustainable Futures



Use	Amount (litres)	Time used for (minutes)	Number of times per week	Amount used per week (litres)
shower	7/min			
power shower	12/min			
bath	80			
wash basin	5			
toilet	6			
running tap	6/min			
kettle	2			
washing up bowl	5			
dishwasher	15			
washing	50			

Example Figure for the reference of the teacher. Students can draw something different as long as they follow the instructions.

Source: Chhavi Mathur, LWM-IISER

Living Waters Museum

TE|SF India Transforming Education for Sustainable Futures

iihs® INDIAN INSTITUTE FOR HUMAN SETTLEMENTS

Water Classrooms Framework

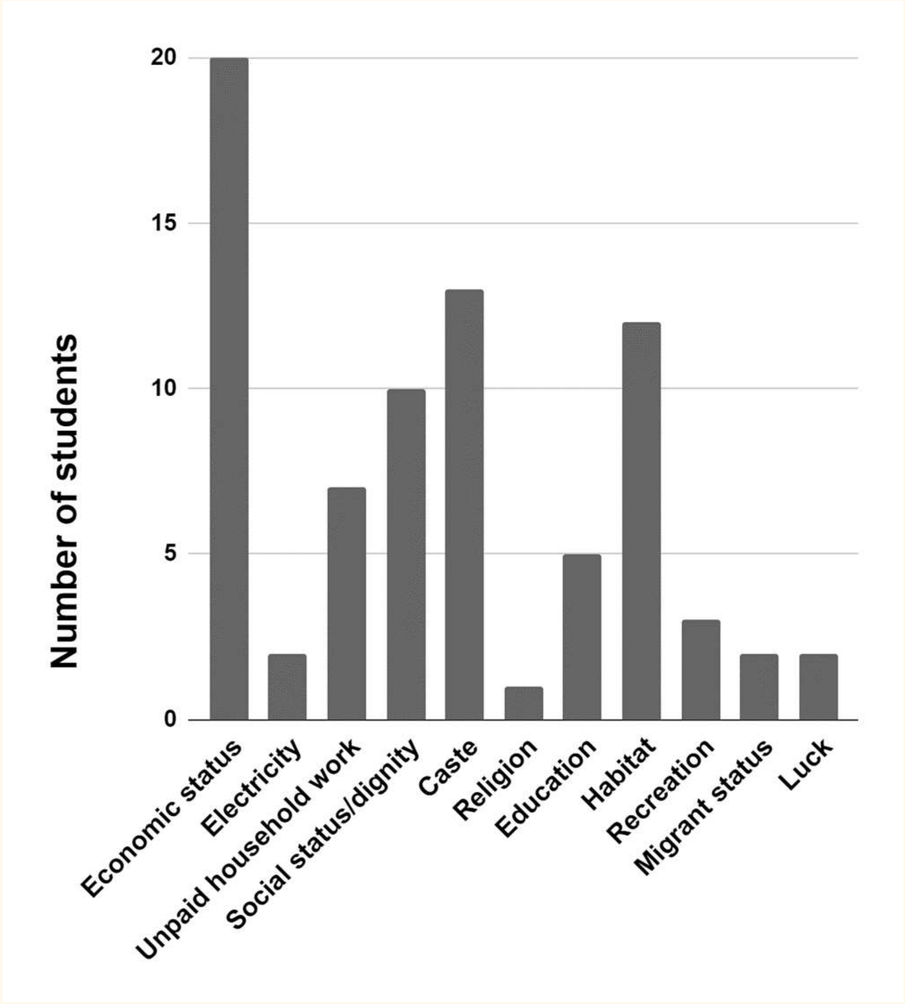
WATER AND THE SELF	SHARED WATERS
Water and my'self'	Water values/cultural practices
Where does my water come from?	Water as a human right (access)
Water I use and virtual water	Water and gender
Water and health	Water and the arts
OUR WATER SYSTEMS	**WATER AND THE PLANET**
Who manages our waters?	Water and climate
Water and Agriculture	Water and biodiversity
Wastewater	Ocean systems
Water and energy	Water and what I can do
Water and disasters	

www.waterclassrooms.in

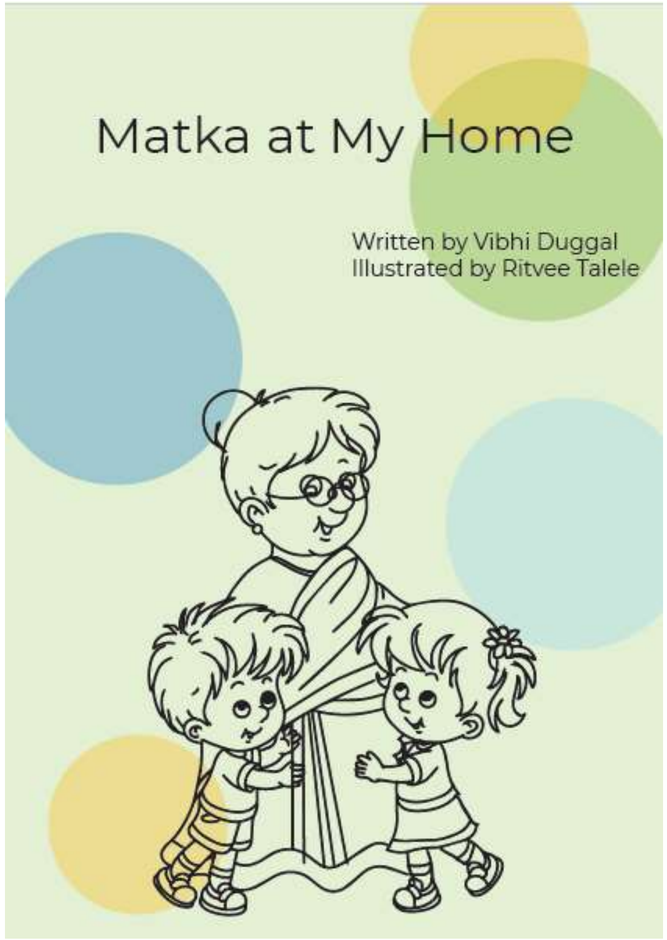
Our process

- Content development: collaborative
- Educators, NGOs, subject matter experts, research students, designers, artists
- Research / learning outcomes / lesson plans / facilitator’s notes / activities
- Peer review: interactive, innovative, inclusive (equity, gender, discrimination)
- Workshops with middle school children in Pune from diverse backgrounds - testing
- Evaluation and feedback: students, faculty

Water and Access: The Privilege Game



Water and what I can do



Knowledge of the traditional and the modern can help pave the way for the sustainable: cross-generational and cross-cultural communication.

Water and the planet

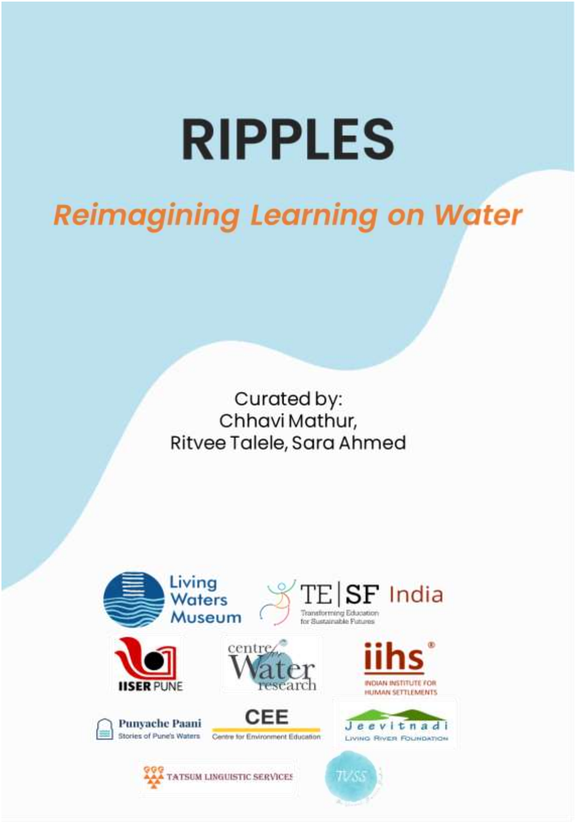
Teaching Plans

Water and the Self ~ visual, inquiry-based

Shared Waters ~ interactive, experiential

Our Water Systems ~ interdisciplinary

Water and the Planet ~ systems thinking



version 1 tested
under revision

Skills/competencies

- **Observing the world around us**
- **Multiple perspectives**
- **Working in groups**
- **Negotiation**

Project AQUAMUSE – WDPP, IHE Delft

Water Classrooms are being adapted and contextualised by the Museé de l'Eau to develop a program on water education for primary school students in Burkina Faso: rural, conflict, French

Pilot-testing of teaching plans on Water Management and Water Cycle through storytelling and art activities.

obrigado

thank you

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