

# Hydropower Sustainability Standard

to attract investments in  
North and Central Asia

**Amina Kadyrzhanova**

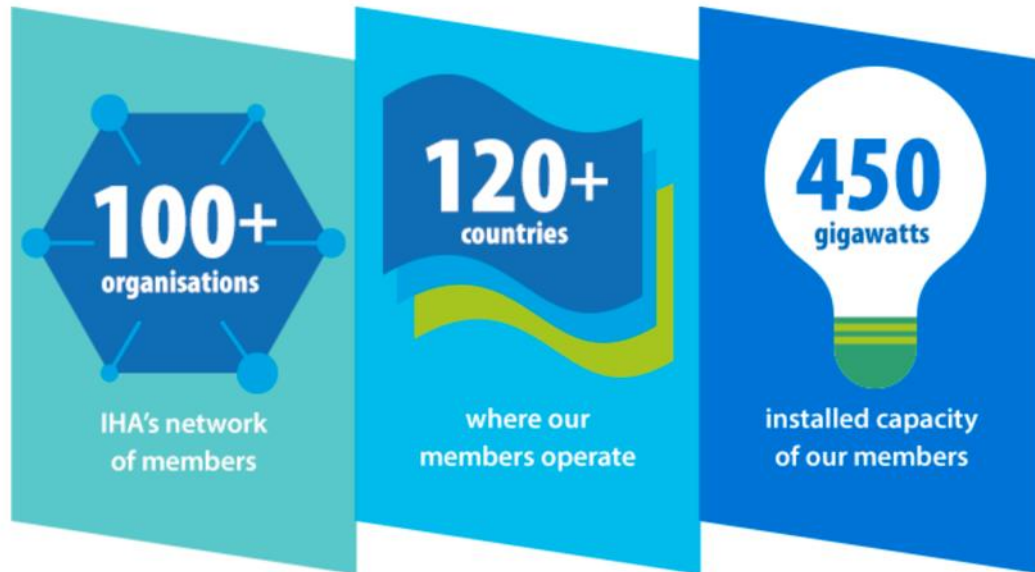
Sustainability Specialist

International Hydropower Association



# International Hydropower Association

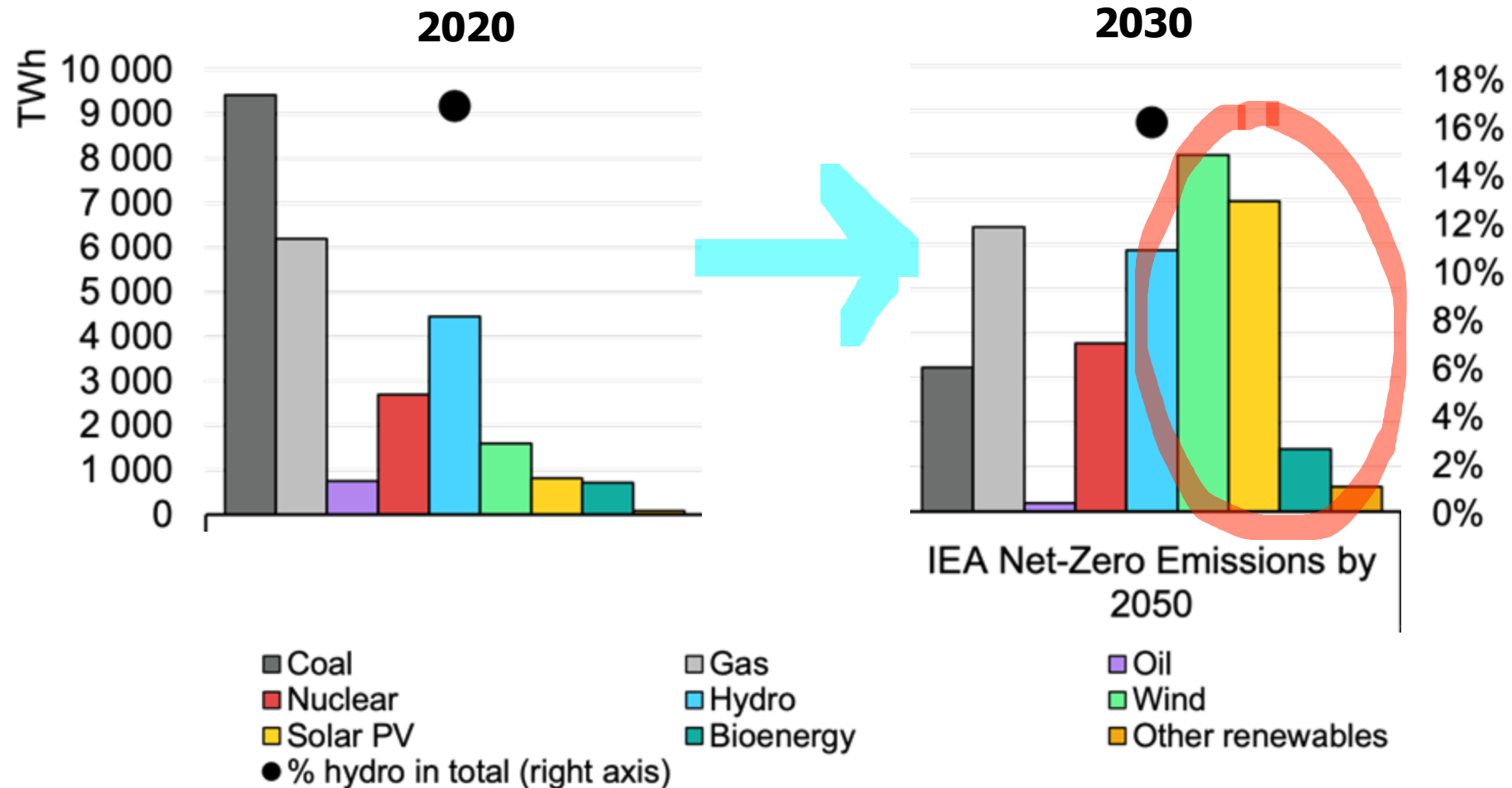
## Non-profit membership



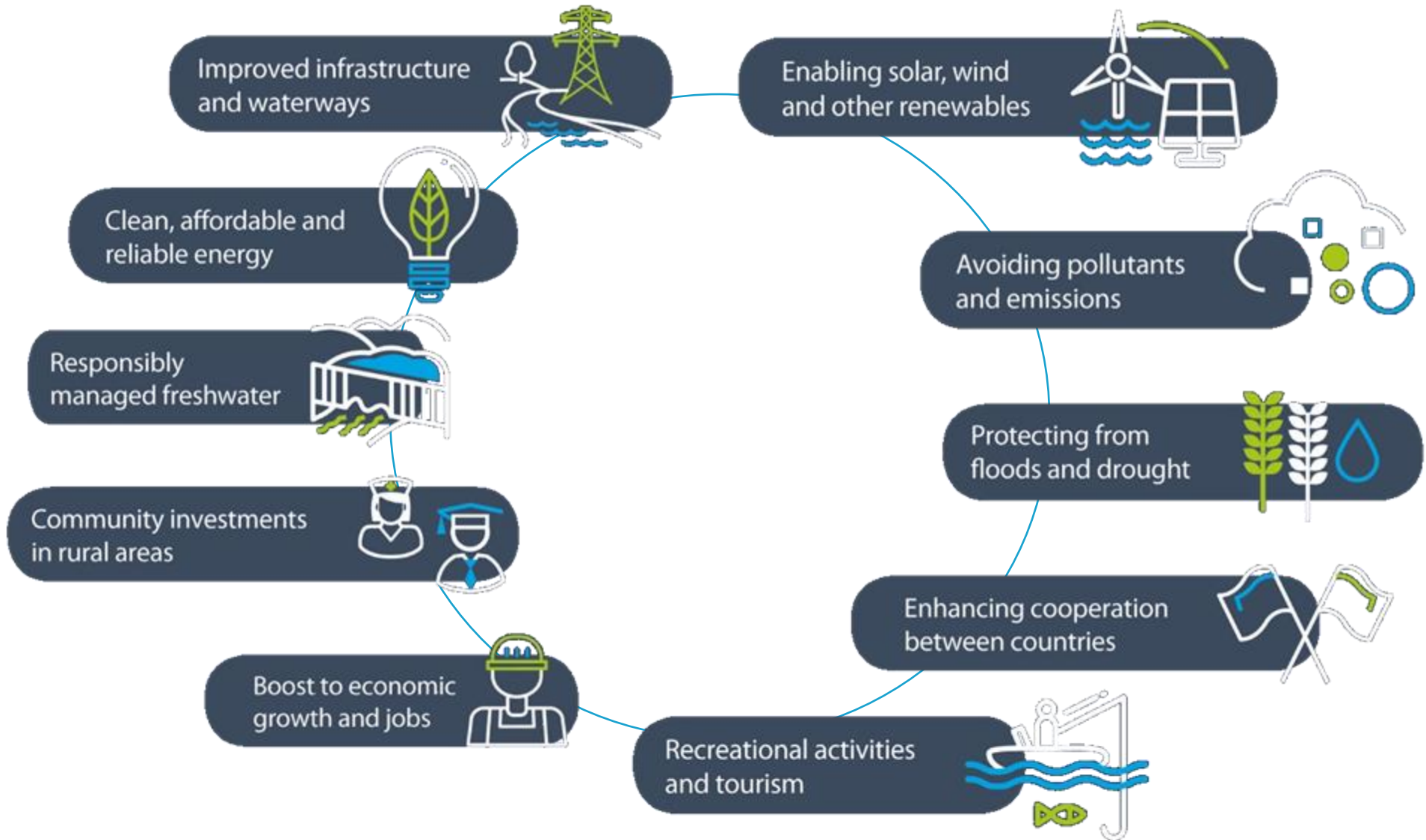
## Advancing sustainable hydro



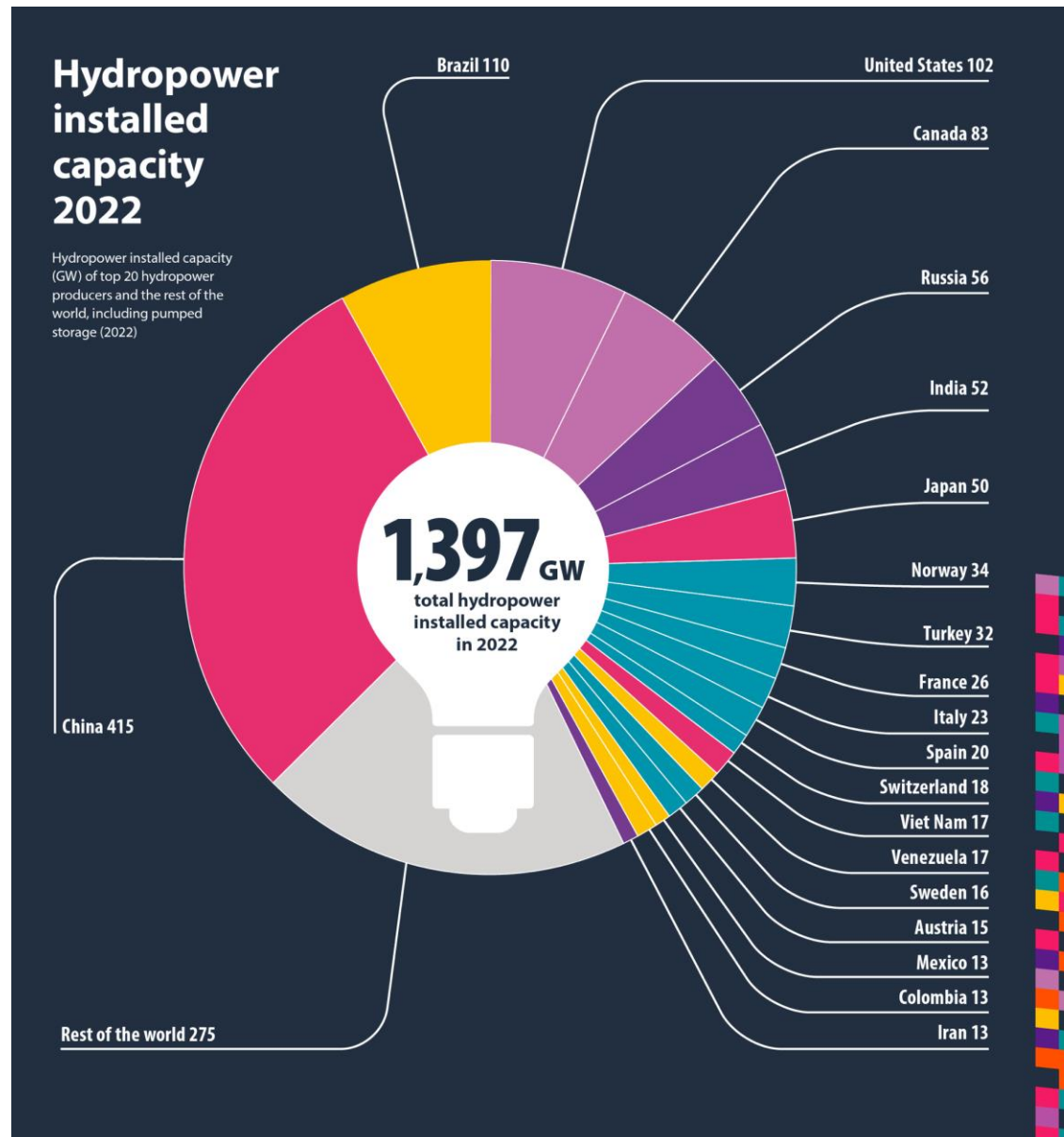
# Hydropower is key to a renewables-based future



# Hydropower System Services

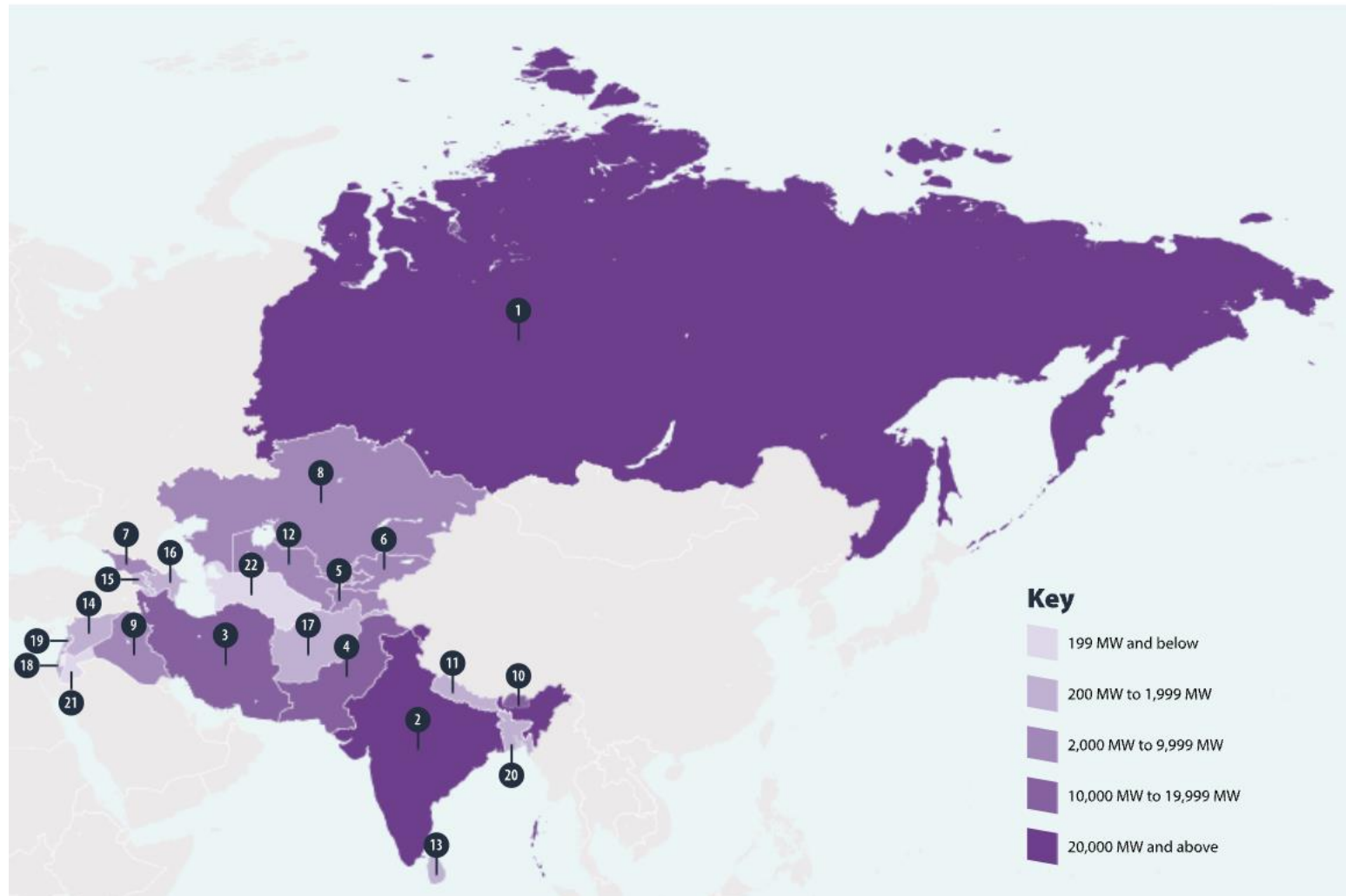


# Global hydropower installed capacity (2022)





# Regional hydropower installed capacity (2022)



**North and Central Asia:**

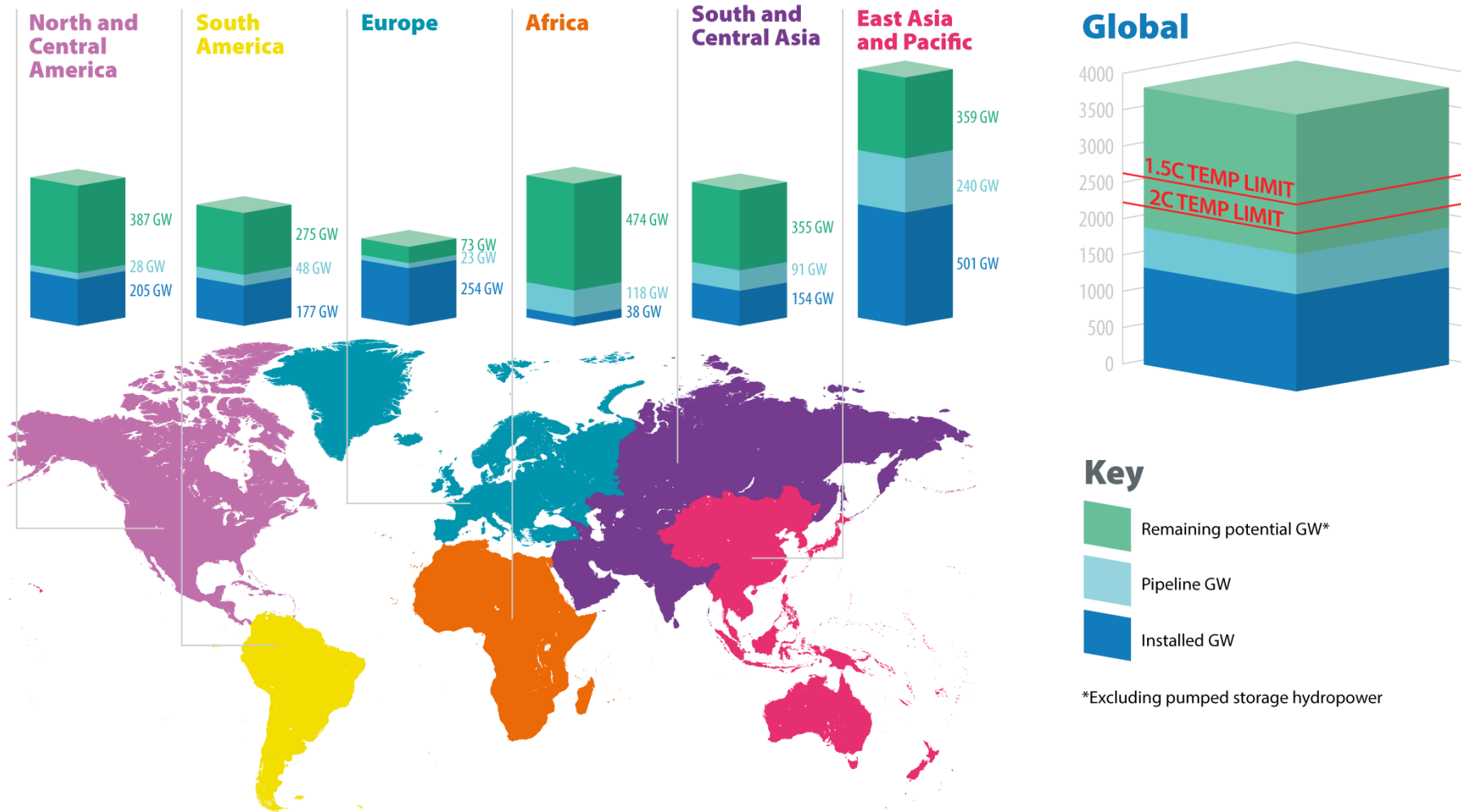
**21.5 GW**

hydropower installed capacity (2022)

**65 TWh**

hydropower generation (2022)

# Hydropower potential





# But impacts need to be considered...





# Hydropower Sustainability Standard



**E & S  
Assessment**



**Labour and Working  
Conditions**



**Water Quality and  
Sediments**



**Community Impacts and  
Infrastructure Safety**



**Resettlement**



**Biodiversity and  
Invasive species**



**Indigenous  
Peoples**



**Cultural Heritage**



**Governance and  
Procurement**



**Communications  
and Consultation**



**Hydrological  
Resource**

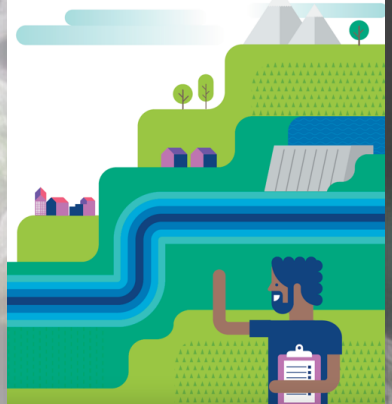


**Climate Change  
Mitigation and  
Resilience**

**Hydropower  
Sustainability  
Standard**



**Hydropower  
Sustainability  
Assurance System**





# Assessment process – step by step



Review documents



Conduct a site visit



Interview affected communities



Verify technical aspects

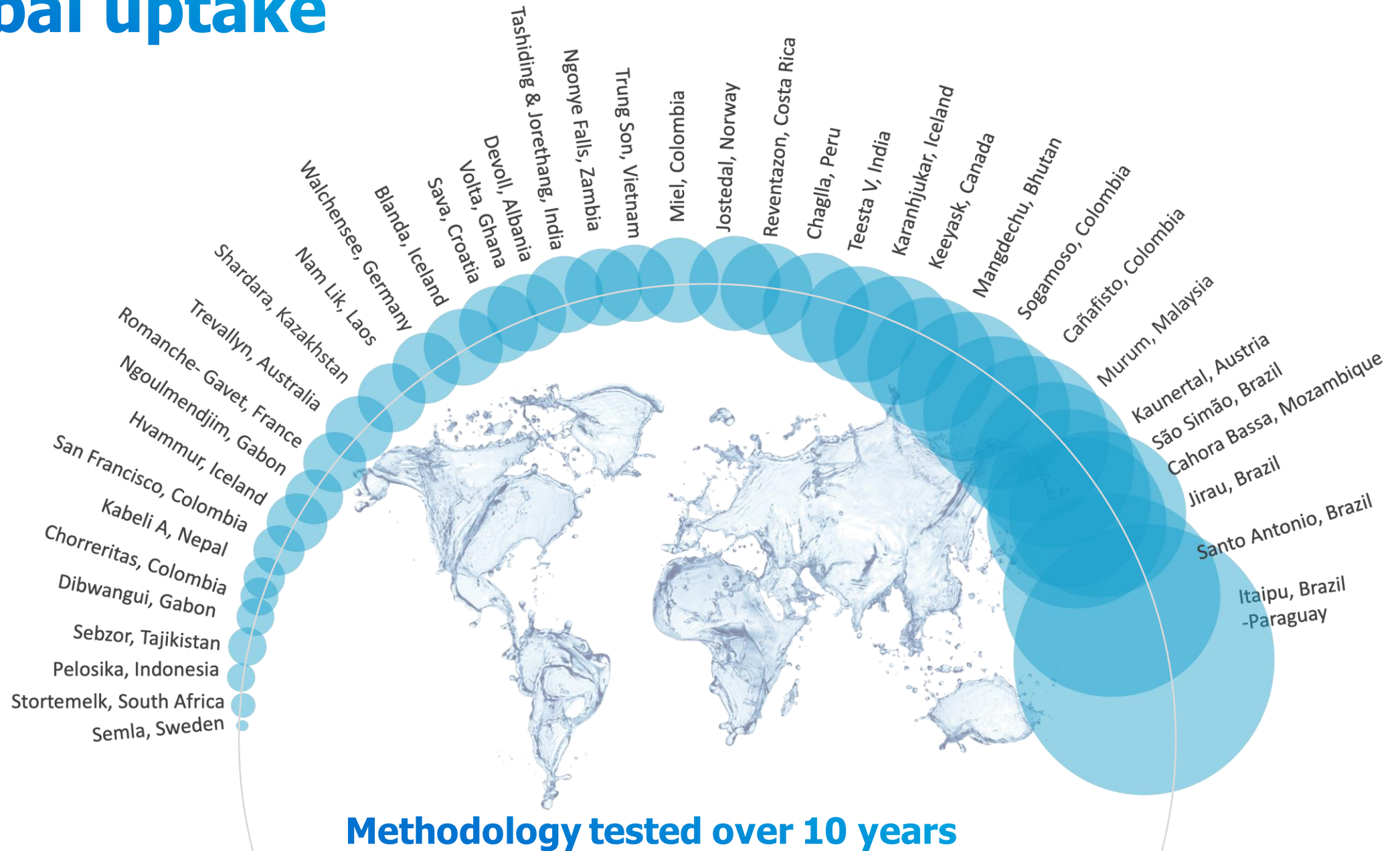


Write the report



Share the results

# Global uptake





# Working in North and Central Asia

- Shardara HPP assessment in Kazakhstan (unpublished, 2010)
- Certified User training in Tajikistan (2022)
- Labour, Community Impacts, Infrastructure Safety trainings (2022)
- Sebzor HPP assessment in Tajikistan (2021, 2022)
- Accredited Assessors training (2023)
- Charsum HPP self-assessment by Pamir Energy (2023)
- Discussions for capacity building activities in Georgia (2024)

**PAMIR ENERGY**



Schweizerische Eidgenossenschaft  
Confédération Suisse  
Confederazione Svizzera  
Confederaziun svizra  
Swiss Confederation

Federal Department of Economic Affairs FDEA  
State Secretariat for Economic Affairs SECO



16 SEPTEMBER 2022

IHA Sustainability and Pamir Energy drive first certification assessment using the HS Standard in Central Asia

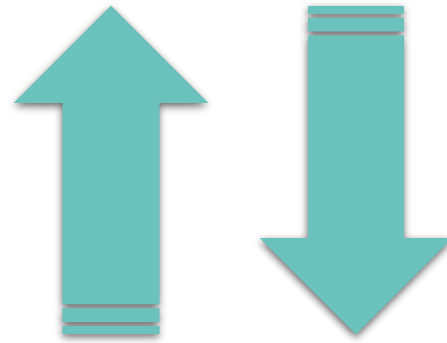


**SILVER**  
Project: **Sebzor HPP**  
Stage: **Preparation**  
Date: **March 2023**

# Unlocking access to finance



Prepare clients to meet lenders requirements



Reduce risk barriers for investment

# Fund for project certifications

## 25,000 Swiss Francs per project

Financial support to projects that seek certification against the Standard

Eligible countries: Armenia, Azerbaijan, Georgia, Kyrgyz Republic, Tajikistan, Uzbekistan, among others

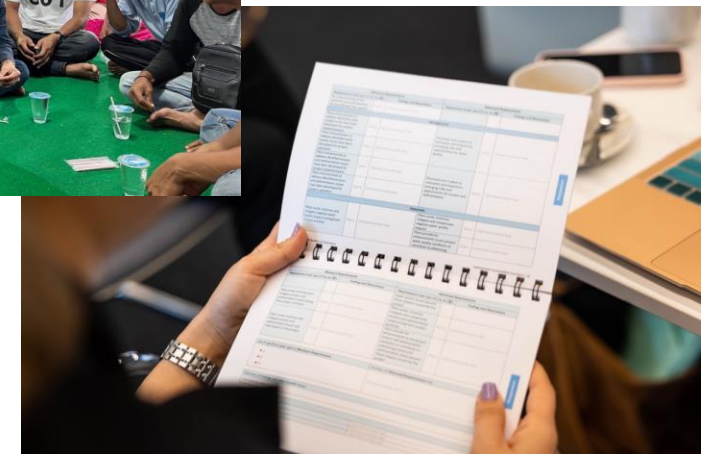
[hydrosustainability.org/hesg-fund](https://hydrosustainability.org/hesg-fund)



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs FDEA  
**State Secretariat for Economic Affairs SECO**





# Business value of the HS Standard

## Manage ESG risks



## Enhance reputation & Social licence to operate



## Demonstrate sustainability



## Unlock international funding



## Receive industry recognition



## Align with other requirements



# world hydropower congress



This year's World Hydropower Congress, taking place in Bali on 31 October – 2 November, will be a vehicle turning climate ambition into action at the highest level.

Bringing together more than 1,000 decision makers, innovators and experts from industry, governments, finance, civil society, and academia, it will provide a stage for high-level policy statements, recommendations and commitments that will influence the global growth of sustainable hydropower.

To join us, register on the link below.

**Powering Sustainable Growth**  
**[www.worldhydropowercongress.org](http://www.worldhydropowercongress.org)**



**PLN**

# Thank you



[hydrosustainability.org](https://hydrosustainability.org)  
[hydropower.org](https://hydropower.org)

**Amina Kadyrzhanova**

Sustainability Specialist

International Hydropower Association

[aminak@hydropower.org](mailto:aminak@hydropower.org)

Talk to us: [sustainability@hydropower.org](mailto:sustainability@hydropower.org)

Get trained: [training.hydrosustainability.org](https://training.hydrosustainability.org)

