GROUNDWATER SOLUTIONS INITIATIVE FOR POLICY AND PRACTICE (GRIPP)

A global partnership for sustainable groundwater management

PIC: Shaoyu Liu/IWMI

THE GROUNDWATER CHALLENGE

Groundwater use is soaring. It is being pumped at unprecedented rates for irrigation, industry, and urban development. As surface water supplies dwindle, we are now making withdrawals from our subterranean water bank that cannot be sustained. Groundwater is also increasingly being degraded because of human pollution. Both are damaging the environment and imperilling food supplies, jobs and health.

Yet in some regions, groundwater remains plentiful. If managed sustainably, it has the potential to boost agricultural production and lift millions out of poverty.

Climate change is likely to intensify our dependence on groundwater, so the need for solutions is becoming critical. Without coherent policies, attaining many of the UN's Sustainable Development Goals (SDGs) will be challenging.

There is no *one-size-fits-all* approach. Never the less with new technologies, smart governance and community action, there is huge scope for progress.

IWMI International Water Management Institute

GRIPP GROUNDWATER SOLUTIONS INITIATIVE FOR POLICY AND PRACTICE

JOIN THE GRIPP REVOLUTION

The GRIPP partnership, led by the International Water Management Institute (IWMI), will **strengthen, expand** and **connect** current groundwater initiatives. It will support the Global Framework for Action developed by the Groundwater Governance Project funded by GEF and implemented by the Food and Agriculture Organization of the United Nations (FAO) together with UNESCO's International Hydrological Programme (UNESCO-IHP), International Association of Hydrogeologists (IAH) and the World Bank. Building on IWMI's three decades of research, it will embed sustainable groundwater practices at the heart of natural resource management and the SDGs.

PIC: Joe Ronzio/IWMI

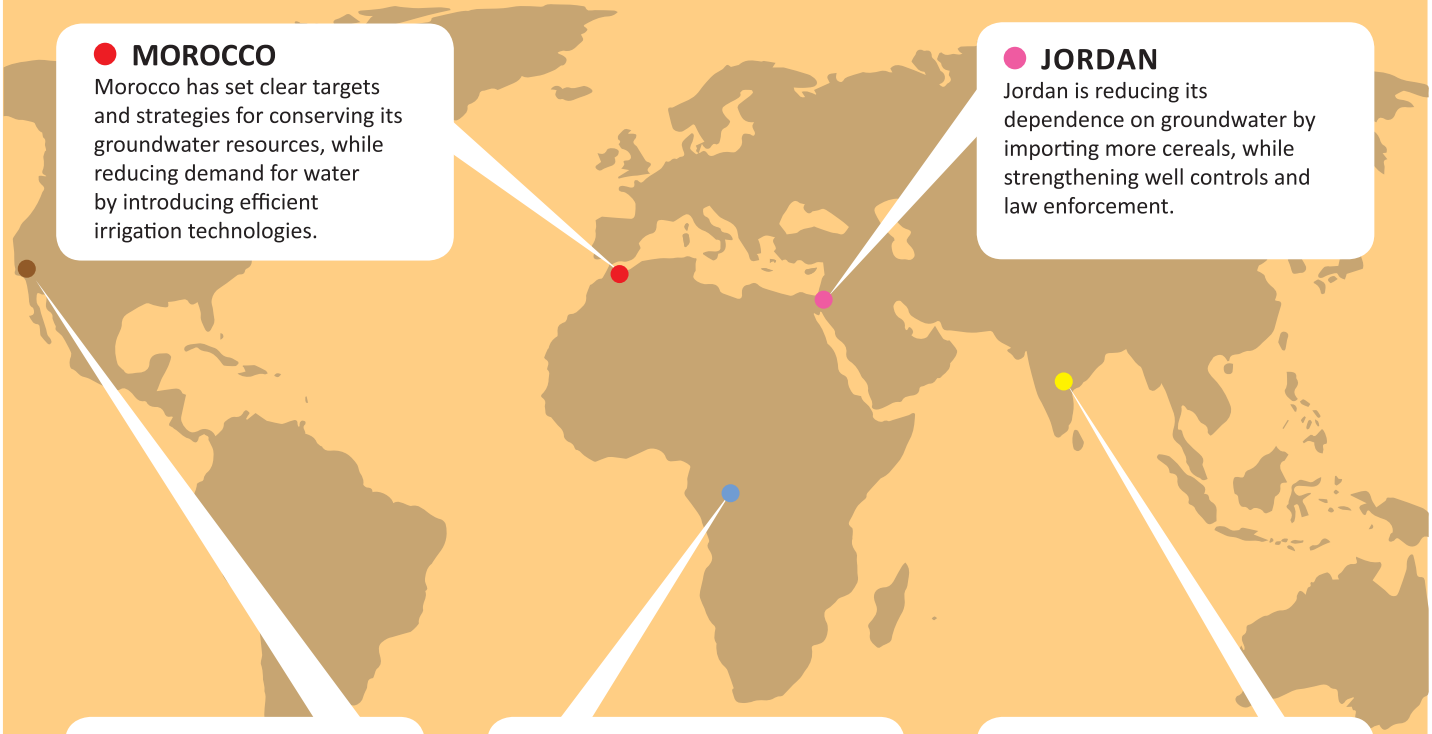
Join GRIPP to

- advance the agenda of sustainable groundwater management at a global scale to achieve the SDGs.
- be part of a network of partners with the critical mass to confront today's groundwater issues for the benefit of future generations.
- assist with recording and dissemination of proven technologies and approaches.
- provide a platform for guiding groundwater research and management.
- capitalize on funding opportunities.

PIC: David Brazier/IWMI

A GLOBAL VISION AND APPROACH

Many countries are adapting to groundwater issues and this provides a rich resource of knowledge for sharing and learning.



MOROCCO

Morocco has set clear targets and strategies for conserving its groundwater resources, while reducing demand for water by introducing efficient irrigation technologies.

JORDAN

Jordan is reducing its dependence on groundwater by importing more cereals, while strengthening well controls and law enforcement.

CALIFORNIA, USA

California's Sustainable Groundwater Management Act is bringing together users for the first time to discuss and set sustainable limits and priorities for groundwater use.

SUB-SAHARAN AFRICA

In sub-Saharan Africa, groundwater use is currently limited. Carefully developed and well-managed groundwater use has the potential to relieve poverty through sustainable and equitable development for agriculture.

INDIA

Faced with over-zealous pumping of groundwater, India is rethinking policies on supplying subsidized power to farmers, with the dual aim of conserving groundwater and cutting energy footprints.

GETTING A GRIPP ON GROUNDWATER

PIC: Abbie Traylor-Smith/Panos Pictures

HOW WE WORK:

CREATING LONG-TERM PARTNERSHIPS

GRIPP reinforces and expands country-level and international partnerships. It supports national initiatives with capacity building, research, technical support, policy guidance and impact-monitoring activities.

SCALING-UP SUCCESSES

Based on solid documentation and rigorous assessments, GRIPP helps countries to replicate and scale-up proven approaches and technologies through long-term engagement.

SHARING TRANSFERABLE SOLUTIONS

GRIPP works with partners to document and disseminate lessons learned from groundwater management. It presents information in simple, easy to access formats for a variety of stakeholders.

FILLING KNOWLEDGE GAPS

GRIPP engages with knowledge providers to enhance understanding of critical practical and policy issues, while developing cross-disciplinary capacity, teams and tools.

PIC:
Top -
Sven Torfinn/
Panos Pictures

Below -
Hamish John
Appleby/IWMI

GRIPP'S DEVELOPMENT GOALS

PIC: Hamish John Appleby/IWMI

20 million people currently at risk of scarcity, adopt sustainable groundwater strategies.

Improve groundwater access for **4 million** rural households and increase the irrigated land by 600,000 hectares in sub-Saharan Africa.

Help sustain groundwater-dependent ecosystems and their services to people.

Leverage over **$1 billion** of investments in sub-Saharan Africa for sustainable groundwater irrigation.

Influence policy to bring about large-scale adoption of managed underground water-storage solutions.

Reduce by up to **10%** the carbon footprint of Indian agriculture by promoting solar pumps for irrigation.

Share knowledge on groundwater management with over **200** key national and basin-scale water managers.

Create a knowledge hub on groundwater and food security to influence international negotiations on curbing over-exploitation of groundwater.

CURRENT GRIPP PARTNERS

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IWMI International Water Management Institute

IWMI is a member of the CGIAR Consortium and leads the:

CGIAR Research Program on Water, Land and Ecosystems

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