

## **GUIDELINE FOR PREPARING PROPOSALS FOR G-WADI PILOT BASIN(S)**

This guideline has been prepared to facilitate the willing partners to develop proposal to submit a basin/basins in a country as G-WADI pilot basin. In order to name a basin(s) as a pilot site for G-WADI Asia, a proposal should be completed in accordance with the guideline provided below. The guideline explains the reporting requirement and provides evaluation criteria and instructions for submission, and format of the proposal document.

### **1. THE G-WADI PILOT BASIN PROGRAM**

UNESCO's program for Water and Development Information for Arid Lands - A Global Network (G-WADI) was established following the 15<sup>th</sup> session of the Intergovernmental Council of the International Hydrological Program (IHP). G-WADI's strategic objective is to strengthen the global capacity to manage water resources in arid and semi-arid areas. Its primary aim is to build an effective global community through integration of selected existing material from networks, centers, organizations and individuals who become members of G-WADI. The network promotes international and regional cooperation in arid and semi-arid areas; and facilitate in creating conditions for integrated basin management. Specific objectives include:

- (a) Improve understanding of the special characteristics of hydrological systems and watershed management needs, including use of appropriate decision-support tools in the arid and semi arid regions.
- (b) Sharing data and exchanging experience to support research and sound watershed management including sharing of advanced technologies for data provision, data assimilation, and system analysis.
- (c) Capacity building of individuals and institutions, matching supply with various competing demands.
- (d) Broad dissemination of understanding of water in arid zones to the user community and the public.

### **2. FRAMEWORK OF G-WADI PILOT BASIN PROPOSALS**

As the G-WADI pilot basins have to be harmonized and uniformly presented so that it provides an opportunity for easier exchange of knowledge and data, there is a need to develop a framework. The framework will also provide an effective tool for monitoring and follow-up of activities. Understandably, there will be goals, purposes, outputs and activities, with monitoring and evaluation requirement at each of these stages. Some basin proposals may require wide-ranging, high level activities involving many stakeholders. Other, may take a narrower, more in depth, approach. This may be explained in the proposal for G-WADI Pilot Basin Program.

#### **A. How to submit a proposal?**

The proposals must have a common nodal point of submission. Given these proposals would be made to the G\_WADI Asian Network, which has been endorsed by the countries in Asia, the

proposals should be routed through Governments (viz. IHP National Committee/focal point or through UNESCO National Commission).

## **B. When to submit a proposal?**

A proposal can be submitted at anytime of the year. However, the evaluation of submitted proposals will be done twice during a year: September and February. Proposal should be submitted in electronic version.

## **C. Selection mechanism**

Evaluation of proposed G-WADI pilot basins would follow a standard peer review process by Steering Committee members. The peer-review process seeks to encourage those committed to the cause of G-WADI program in their country and willing to share information, knowledge and experiences globally. The decision of the steering committee will be intimated to the organization in November or March each year.

## **D. Contact Persons:**

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**E. Tips for Preparing Proposal(s):**

1. Read the instructions carefully and follow them to make a first draft of the proposal.

1. Review proposals that are registered for Pilot Basin Program in G-WADI website for assistance.
2. Contact the focal points mentioned in section B for any inquiries.

**D. Formats for Preparing the Proposals**

1. 11 Font Size and Arial Font
2. For Tables, Excel sheets may be used and then inserted into word document.
3. Proposals must be submitted in digital format. Pages must be formatted to standard size; A-4 size (210 mm x 297 mm) is preferred.

## DETAILED INSTRUCTIONS AND OUTLINE FOR PREPARING THE PROPOSAL

### **PART-1**

#### **1.1 Name of the proposed G-WADI pilot basin:**

Give the name of the basin and country.

#### **1.2 Name(s) of Investigators (Key Organization/Contact Persons):**

Title or position, organization, address, telephone number, fax, email address. (Give full contact details of at least two people of different organizations closely involved in the proposal.)

#### **1.3 Brief Resume of the Organization and Bio-data of Investigators (Key/Contact Persons):**

(Briefly introduce the organization. Attach a sheet indicating the research publications and experience of the investigators in the relevant organization)

#### **1.4 Name and address of the Nodal Agency**

Address telephone number, fax, email address. (Give full contact details)

#### **1.5 Name(s) of Sponsoring organization(s), if any :**

Title and type of organization, address, contact point name and/or position, Website(s), etc.. Describe also the type of lead organization.

- Government water resources management agency
- Research institution
- University

#### **1.6 Program or project supporting partners:**

List project supporting partners contributing to the proposed project, including their functional expertise and institutional affiliation. Include statements concerning commitment to interdisciplinary work and research for institutions directly involved in the project.

#### **1.7 Provision of resources:**

Provide the description of existing and expected support in terms of time by team members and supporting partners, funding, non-financial support and participation, and endorsements. Other contributions in kind may include data, technical expertise, instrumentation, transport and accommodation. Include quotations from referenced letters of support from relevant government, intergovernmental, or quasi-governmental agencies and other organizations that endorse the project (though not necessarily with material contributions).

## **PART-2 (start with a separate page)**

### **2.1 Description of the G-WADI proposal :**

Describe the overall project proposal including background, inception of the proposal in the line of G-WADI framework and objectives. If any of the information noted below is not available, please indicate:

### **2.2 Baseline conditions in the basin:**

Describe baseline conditions with respect to the basin and the project. Describe basin properties and describe the availability of data.

#### **(a) Geographical Characteristics:**

Tabulate relevant geographical information, describing quantitatively wherever possible, and include:

- global situation of the basin
- longitude/latitude of basin(s)
- size of basin in km<sup>2</sup>; and length and breadth in km.
- topography, including altitude range in m
- geology
- Precipitation, average annual and seasonal distribution, etc.
- river(s), with lengths and average annual flows and seasonal distribution
- floods and drought incidence and impacts
- Hazards (Salinity, erosion, desertification, land subsidence, water quality deterioration, etc.)

#### **(b) Demographic Characteristics:**

Tabulate demographic information including:

- General location of the basin
- Total Population in basin
- Population in principle cities or towns
- Average per capita income
- Industrial and agricultural Gross Domestic Product
- Population below Poverty Line
- Water Scarcity Index parameters
- Local situation regarding sustainable livelihoods
- Other relevant characteristics

#### **(c) Land Forms and Land uses:**

Tabulate principal land uses, as percentage of basin area, including:

- Mountains
- Desert
- Forest
- Wetlands
- Pasture
- Agriculture
- Irrigated lands
- Rainfed Areas
- Urban area
- Any other information

#### **(d) Water resources and uses in the basin:**

Give principle water resources and uses in the basin, including as appropriate:

- Total available surface and groundwater resources
- Net usable capacity of surface reservoirs
- Total surface water abstractions (estimated, where not measured)
- Total groundwater abstractions (estimated, where not measured)
- Surface and groundwater quality by use (in general categories only)
- Water uses (total, by sector, principal uses, current (estimated) and future (projected), include in-stream uses (fisheries, etc.) where appropriate)
- Deficits and other resource concerns (e.g., quality, extremes, environmental degradation)

**(e) Environmental Characteristics:**

- water quality of the basin
- Industrial pollution
- Wetlands
- Aquatic life, fish production etc.
- environmental impact and bio-diversity in the basin

**(f) Baseline information availability:**

Comment on the information and data available which is relevant to G-WADI, in terms of data quantity, quality, transparency and accessibility, including:

- observation networks;
- maps, with available scales, GIS and remote sensing imagery;
- data archives and their adequacy;
- research centers

**2.3 Main issues**

Describe the main issues of the basin.

- (a) Hydrological and Water Management issues**
- (b) Environmental issues**
- (c) Livelihoods issues**
- (d) Policy and legislation issues**
- (e) Institutional change and capacity building issues**

**2.4 Present State-of-art and methodology**

Describe literature review in the area of G-WADI pilot basin proposal, brief methodology and database to be used. Include past studies and brief history of water resources data monitoring in the region.

**2.5 Schedule of proposed activities:**

List proposed activities with defined products, timelines, milestones, expected outcomes and impacts. Activities should include demonstration of innovation and best practice in management, technology, research, dissemination, monitoring and evaluation, and capacity building. Updates from the G-WADI pilot basins will be expected every two (2) years.

**2.6 Monitoring and evaluation:**

Describe the monitoring and evaluation plan for each listed objective, suggest indicators to measure the achievement of outputs.

### **PART-3 (start with a separate page)**

#### **3.1 Principle Purposes:**

Describe how your proposal addresses the G-WADI objectives. What approaches are being used or proposed? What is your principle purpose in proposing your basin for inclusion in the G-WADI program.

#### **3.2 Outputs/Deliverables:**

Describe the principle outputs that you plan to meet your proposed purposes.

#### **3.3 Contributions to promote G-WADI Objectives:**

Give additional information to support your proposal and its contribution to promoting G-WADI objectives locally, nationally, regionally and internationally. e.g.

- Local and national awareness of issues in the G-WADI pilot basin
- Stakeholder participation
- Organization of training program, workshop etc.
- Good publicity material
- Good website
- High profile personality support from government, industry or media.
- Academic or civic awards for water-related work in the basin
- Management responses.
  - Sharing responsibilities
  - Etc.

#### **3.4 Support to other G-WADI pilot basin program**

What inputs from other G-WADI pilot basins are required through technology-transfer and training to achieve the desired project objectives?

OR

What inputs could you provide to other G-WADI pilot basins through technology transfer and training?

(Signature and Seal of the responsible person from the proposing organization)

(Signature and seal of the nodal agency)