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## **International Research Program for Irrigation and Drainage (IRPID) Scheme<sup>1</sup>**

### **PART A: PROGRAM**

International Research Program for Irrigation and Drainage (IRPID) is conceptualized as a program for developing and implementing research agenda in the irrigation and drainage sector to meet the challenges of water security and food security.

#### **1. Vision**

“Intensify Irrigation and Drainage Research to Achieve Global Food Security”

#### **2. Mission**

To enhance research activities in irrigation and drainage science, technology, and management aspects in order to develop capabilities of member countries in order to achieve water security, food security and poverty alleviation while preserving the environment.

#### **3. Objectives of the Program**

- (a) Foster a conducive policy environment for intensifying research and development activities, facilitate technology transfer and meet networking needs of members,
- (b) Identify and promote opportunities for NCs to gain relevance, efficiency and effectiveness within their countries,
- (c) Enhance research and innovations impacts in member countries by fostering increased coherence and convergence among various players, and
- (d) Help NCs raise financial resources required to undertake these research activities.

### **PART B: ORGANIZATIONAL STRUCTURE**

The organizational structure of IRPID consists of an Advisory Committee (AC) established by ICID as a Permanent Committee (PC) to guide the program implemented through a network of Regional Nodes (RN). In order to implement a distributed program, it is important that various actors within the program have a clear understanding of their respective roles and responsibilities which are described in the following paragraphs.

#### **4. The Advisory Committee**

The Advisory Committee for IRPID consists of:

- (a) Chair: Chairperson of PCTA,
- (b) Members: Head of regional nodes,
- (c) ICID Secretary General,
- (d) FAO, IWMI and World Bank Representative,
- (e) Theme Leaders (Basin, Knowledge, On-Farm, and Scheme).

#### **5. Terms of reference of the Advisory Committee**

The Advisory Committee is responsible for developing a Framework Action Plan for the program, guided by the concept document as was presented at the 61<sup>st</sup> IEC in Yogyakarta in 2010 and keep overall coordination among the Regional Nodes duly supporting their autonomy and maintaining flexibility in fulfilling their roles. These can be categorized as follows:

- (a) Develop the Strategy duly describing the strategic objectives and a Framework Action Plan for the program;

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<sup>1</sup> Approved at 67<sup>th</sup> International Executive Council (IEC) meeting, Chiang Mai, Thailand, 2016

- (b) Review and monitor the implementation of the program to ensure the quality of outputs and their effectiveness; and
- (c) Mobilize and allocate extra-budgetary resources for joint activities.

**5.1 Strategic Planning** would broadly include actions that:

- (i) Initiate the necessary steps to establish the program,
- (ii) Provide policy direction and leadership for the program,
- (iii) Oversees the development and review of the Strategy and the Framework Action Plan,
- (iv) Consider proposals for setting up new Regional Nodes based on the Action Plan.
- (v) Develop policies/plan to bring coherence and interaction between the Regional Nodes,
- (vi) Review current and potential organizational structure, and
- (vii) Advise and assist Regional Nodes.

**5.2 Review and Monitoring**

- (i) Review and endorse Work Plans of the Regional Nodes aligning them with the Framework Action Plan and vice versa,
- (ii) Monitor the output of Regional Nodes and review their performance and efficiency,
- (iii) Evaluate the performance of Regional Nodes and decide on their continuation, or otherwise, as member of the network.

**5.3 Resources Mobilization**

- (i) Develop a framework for funding, including resource mobilization strategy to address programmatic and structural needs,
- (ii) Ensure financial and operational accountability for all funds received for the implementation of the program by ICID.
- (iii) Take decisions on the allocation and prioritization of funding received by ICID across the RN and reporting progress to donors.

**5.4 Coordination and Communication**

The Advisory Committee, with the assistance of Central Office, maintain a data base of research institutions working in the field of agriculture water management within each NC of ICID. AC will work by teleconference and e-mails and except for the annual International Executive Council (IEC) of ICID meeting, a face to face meeting may be convened in exceptional circumstances. The AC members shall not commit the Commission to any new program expenditure or impose significant additional administrative costs without the prior approval of the IEC.

**6. Regional Nodes**

Each regional network shall have minimum of 3 member countries of ICID. The Regional Node is established in one of the countries of the concerned regional network based on the approval of IEC. Funds for the activities of the Regional Node and its members are to be provided by the member countries themselves. Representative of the RN country constitute a Management Board coordinates and acts as its Head. RN will

- (a) orient research activities according to the agreed Framework Action Plan aligned to overall ICID strategies;
- (b) coordinate high quality research in accordance with the work plan agreed to;
- (c) report research impacts as is required by the Board or any performance contract; and
- (d) empower member countries in fulfilling their objectives.

**6.1 Management Board of Regional Node (MBRN) consists of:**

- (i) Head of RN,
- (ii) Representatives of participating member countries,
- (iii) Representative of PCTA,
- (iv) Executive Secretary,
- (v) Regional FAO Representative,
- (vi) Regional IDB Representative, or other world/regional development banks, donors.

**6.2 Functions of the Regional Nodes**

- (i) Enhance research activities in irrigation and drainage science, technology, and management aspects in a concerted action within the member countries.
- (ii) Support uptake of the advanced techniques suitable to the regional conditions,
- (iii) Support capacity development activities of members through training and/or workshops,
- (iv) Promote efficiency of each member to work individually, and
- (v) Enhance financial resources available to members through joint projects and implement such joint activities.

**6.3 The scope of the activities of Regional Nodes:**

RNs as part of their Action Plan may consider undertaking, but not limited to, the following activities:

- (i) Study and research engineering aspects of irrigation and drainage related issues such as reservoirs, canals, drains, and other related infra-structures for storage, conveyance, distribution, collection, and disposal of water.
- (ii) Conduct researches on stakeholders' participation in irrigation and drainage management.
- (iii) Investigate appropriate legislative requirements in different aspects of irrigation and drainage.
- (iv) Facilitate implementation of the research projects related to social and economic considerations of irrigation and drainage.
- (v) Support and coordinate exploration in smallholder irrigation, drainage networks, sustainability, deficit irrigation, water conservation, use of unconventional water, and modernization of irrigation schemes.
- (vi) Facilitate investigations on enhancing the environmental impacts of irrigation and drainage projects leading to more sustainable development.
- (vii) Conceive capacity development in knowledge, skills and know-how in developing and low income countries, through dissemination of research outcomes.
- (viii) Provide a comprehensive data bank on irrigation and drainage research activities and outcomes among ICID member countries.
- (ix) Cooperate with other national, regional, and international organizations, whose interests and activities are related to the mission of IRPID.
- (x) Support research and innovations in irrigation and drainage equipment and technologies.
- (xi) Hold periodical meetings, conferences, exhibitions and workshops, and supporting the publication of conference proceedings, reports, guidelines, documents, and electronic media materials related to irrigation and drainage research outcomes in accordance with ICID's rules and regulations.

#### 6.4 MBRN's responsibilities

Each unit carries out the following duties:

- (a) **Head of Regional Node:** is responsible for all the research and capacity development activities according to the agreed work plan prepared and approved, adhering to the Framework Action Plan,
- (b) **Representatives of member countries:** Are responsible for implementing the work plan and coordination within their countries,
- (c) **Representative of PCTA:** Reporting on research impacts as is required by the management board of the regional node or any performance contract,
- (d) **Executive Secretary:**
  - Is responsible for the day to day works of coordination and shall save and report to the AC.
  - Support the Node autonomy and flexibility in fulfilling their roles.

#### REGIONAL NODES ORGANIZATIONAL CHART



Abbreviations, wherever are used are meant as follows:

AC	=	Advisory committee
FAO	=	Food and Agriculture Organization
ICID	=	International Commission on Irrigation and Drainage
IDB	=	Islamic Development Bank
IEC	=	International Executive Committee
IPTRID	=	International Program for Technology and Research in Irrigation and Drainage
IRPID	=	International Research Program for Irrigation and Drainage
MBRN	=	Management Board of Regional Node
NC	=	National Committee
PC	=	Permanent Committee
PCTA	=	Permanent Committee for Technical Activities
RN	=	Regional Node

