Outline of the TOR

- Introduction
- Objectives and purpose of the RKH
- Criteria and requirements for selection of host institution
- Evaluation of bids and scoring
There is a need to store the large amount of data needed to run RICCAR models and results in a regional knowledge hub. The knowledge hub will be hosted by an Arab institution selected based on agreed criteria. Hosting the RKH would enable the host institution to become a center for excellence for climate change in the Arab region.
Regional Knowledge Hub

- Climate Data
- Water Data
- Socio-Economic Data
- UNFCCC Communications
- GIS & Integrated Maps
- Outputs from Regional Climate Model
- IWRM Plans
- Vulnerability Hotspots
- Links to other Knowledge Tools

Password Protected Access to RCM Codes
Objectives and purpose of the RKH

• Objectives
• Functions
• Contents
• Target Audience
• Governance structure
to provide an interactive, on-line platform that provides access to information and knowledge on climate change-related analysis and water resources and socio-economic vulnerability assessment tools for informing climate change adaptation planning, policies and projects in the Arab region.
Secondary Objectives

- To provide access to information that can facilitate cooperation, coordination, dialogue and exchange among Arab countries.
- To support regional networking and exchange.
- To support awareness raising for national and local stakeholders.
- To provide capacity building support.
- To develop an early warning platform by establishing a simple disaster early warning component.
- Provision of 2-D integrated mapping tools.
- Ability to show comparative analysis between countries.
- Search engine that allows finding raw data, reports, historical trends, people and institutions.
- Interactivity/network function component to allow linkage to different institutions.
- Traffic monitoring.
- Provision of User-friendly applications and products to respond to all potential users.
- Maps.
- Interactive tool to carry out vulnerability assessment and simulate different scenarios.
- Data, information and model outputs.
- Case studies.
- Publication library and provide links to other information sources.
- Images library.
- Learning tools.
- Disaster early warning component linked to UNISDR Prevention Web.
Target Audience/Users

Primary group
- Decision and policy makers
- Universities and research centers
- Water utilities

Secondary group
- Regional organizations
- Parliamentarians
- Civil society
- Financial institutions
- Private sector
- International development organizations
- The RKH will be supervised by an Executive Board/Advisory Body under League of Arab States (e.g. LAS climate change and water technical committees).
- Governance structure should be included in a document and should have a regulatory and legislative basis.
Criteria and requirements for selection of the host institution

**Selection Criteria**

- Technical Experience
- Accessibility and reliability
- Credibility and communication
- Sustainability and ownership
Criteria and requirements for selection of the host institution

Technical Experience

At least 10 years with database development and management in the Arab region on:
- Development of different forms of water and/or climate databases on electronic media especially geo-spatial databases.
- Management of large and dynamic portals and hubs (expected size of data and information is 20 terra bytes).
- Development and management of web-based tools for data sharing and exchange.
- Data processing technologies. (i.e. what are state-of-the-art hardware and software available in the host institution to achieve this).
Accessibility and reliability

- The RKH can be accessed all time.
- Ability to make information available at no cost to RICCAR stakeholders.
- Availability of sufficient and skilled technical and human resources for system operation and maintenance.
- Availability of tools to support open access and web-based authorized access (i.e. password protected).
- To be accountable for reducing the risk of unreliable system (systems that are operational less than 95-99% of the time) all over the life time of the RKH.
Credibility and communication

- Experience with quality control and quality assurance of data and availability of software.
- Ability to standardize and harmonize data collection and management methodologies.
- Ability to ensure simplicity and usefulness of information i.e. high demand by identified users and targeted audience.
- To prove achieving smooth line of communication for data transfer and sharing with other partner organizations and clients.
- Ability of interpretation of climate modeling results to develop outcomes and message that target various audiences (e.g. policy makers, planners, researchers, the public, etc.).
Sustainability and Ownership

- Ability to generate some funds to ensure sustainability of the RKH to be:
  - Operational for the project life-cycle and live and survive over time (for at least 5-7 years beyond the RICCAR project).
  - Updated regularly in time.
  - Able of easy adaptation to technological innovations.
- Ensure ownership of the RKH technically and administratively:
  - Experience in sustaining shared and decentralized ownership of knowledge platforms with other partners.
  - Capability in handling required additional costs of ownerships and to make available other required resources.
### Evaluation of Bids
(a) Technical and Operational component

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<th>Item Number</th>
<th>Selection Criteria</th>
<th>Scores</th>
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<tr>
<td>1</td>
<td>Technical experience</td>
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<td>2</td>
<td>System accessibility and reliability/maintenance</td>
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<td>Total</td>
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The financial costs presented by the bidders will be evaluated based on the following:

- Initial acquisition and personnel costs.
- Updating the existing hardware and software to be able to handle the huge volumes of information (e.g. 15-20 terra bytes).
- Data acquisition and updating throughout the life time of the RKH.
Thank you!

Additional information on the Regional Initiative is available at:

www.escwa.un.org/RICCAR