## Format for Biennial Reports by UNESCO’s Water-related Centres on activities related to the IHP in the period (June 2014 – May 2016)

### 1. Basic information on the centre

<table>
<thead>
<tr>
<th>Name of the Centre</th>
<th>Regional Centre on Urban Water Management (RCUWM-Tehran)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Director</td>
<td>Dr. Ali Chavoshian</td>
</tr>
<tr>
<td>Name and title of contact person (for cooperation)</td>
<td>Mr. Alireza Salamat</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:info@rcuwm.org.ir">info@rcuwm.org.ir</a>, <a href="mailto:chavoshian@gmail.com">chavoshian@gmail.com</a></td>
</tr>
<tr>
<td>Address</td>
<td>#1, Shahrsaz Lane, Kargozar St., Dastgerd 5i Ave., Tehran 1919839713, Iran</td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.rcuwm.org.ir">www.rcuwm.org.ir</a></td>
</tr>
<tr>
<td>Location of centre</td>
<td>city/town <em>Tehran</em>_____ country _ IRAN ____</td>
</tr>
<tr>
<td>Geographic orientation</td>
<td>☑ global ☑ regional</td>
</tr>
<tr>
<td>Region(s) (for regional centres)</td>
<td>Middle East and North Africa</td>
</tr>
<tr>
<td>Year of establishment</td>
<td>February 2002</td>
</tr>
<tr>
<td>Year of renewal assessment</td>
<td>2008 -2013 (request made to be renewed)</td>
</tr>
<tr>
<td>Signature date of most recent Agreement</td>
<td>8 January 2010</td>
</tr>
</tbody>
</table>

### 2. Focal Areas of activities during reporting period

- groundwater
- urban water management
- rural water management
- arid / semi-arid zones
- humid tropics
- cryosphere (snow, ice, glaciers)
- water related disasters (drought/floods)
- Erosion/sedimentation, and landslides
- ecohydrology/ecosystems
- water law and policy
- social/cultural/gender dimension of water
- transboundary river basins/ aquifers
- mathematical modelling
- hydroinformatics
- remote sensing/GIS
- IWRM
- Watershed processes/management
- global and change and impact assessment
- mathematical modelling
- water education
- water quality
- nano-technology
- waste water management/re-use
- water/energy/food nexus
- water systems and infrastructure
- other: (please specify) _____________________

### 3. Themes of activities during reporting period

- vocational training
- postgraduate education
- continuing education
- public outreach
- research
- institutional capacity-building
- advising/ consulting
- software development
- data-sets/data-bases development

* check on appropriate box  
· check all that apply
<table>
<thead>
<tr>
<th>Support bodies ¹</th>
<th>Government of I.R. Iran</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hosting organization ²</td>
<td>Ministry of Energy, I.R. Iran</td>
</tr>
<tr>
<td>Sources of financial support ³</td>
<td>Ministry of Energy and related organizations, Tehran Municipality, some Governing Board Members States and seed resources from UNESCO</td>
</tr>
<tr>
<td>Existing networks and cooperation ⁴</td>
<td>UNESCO-IHP (IDI, IFI, G-WADI, HELP, other UNESCO Cat. II Centres, etc.), UNESCO-IHE, UNHABITAT, GWP, JICA, ICID, ICOLD</td>
</tr>
</tbody>
</table>

Governance
- ☑ director and governing board
- ☐ other: (please specify) _________________
- Link to election of board members to the IHP Intergovernmental Council (IGC) and hosting country IHP National Committee
- Frequency of meetings: once every __year(s)
- ☑ Existence of UNESCO presence at meetings

Institutional affiliation of director
- Number of staff and types of staff:
  - total number of staff (full-time, or equivalent): __ 15 _______
  - number of staff who are water experts: __ 12 _______
  - number of visiting scientists and postgraduate students: __ 5 _______

Annual turnover budget in USD
- ~ 500 000 USD

2. Activities undertaken in the framework of IHP in the period June 2014 – May 2016

2.1 Educational activities (i.e., those with accreditation) that directly contributed to the IHP-VIII (Appendix 1) and WWAP
   Please include here those activities which led to accreditation of degrees, or those held in formal school settings.

2.2 Research activities that directly contributed to the IHP-VIII activities
   Please include research/applied projects outputs such as publications that directly contributed to the IHP-VIII and WWAP objectives
   - Integrated Plan on Restoration and Rehabilitation of Tehran rivers and Qanats
   - Water Security Index in different water basins of Iran
   - Estimation of Non-Revenue Water in one of the cities of Iran
   - Drought Monitoring in Urmia Lake
   - research on public awareness tools for water saving
   - IWRM pilot project in one of the Iranian basins

2.3 Training activities that directly contributed to the IHP-VIII and WWAP objectives
   - Holding the 6th Asian G-WADI in Tehran, June 2015

¹ please specify bodies that cover the operational costs of the centre, and other essential costs such as salaries and utility bills, and that provide institutional support to ensure centre’s sustainability
² if different from support bodies
³ please specify sources of main budgetary and extra budgetary funds to implement projects
⁴ please write international networks, consortiums or projects that the centre is part of, or any other close links that the centre has with international organizations or programmes, which are not already mentioned above
- Holding the 2nd IDI Expert Group Meeting, June 2015
- Holding Training Workshop on "Vacuum Pressure Wastewater Collection Network", Tehran, July 2015
- Training Workshop on Water and Media, Tehran, November 2015
- Regional Workshop on and Roundtable Discussion on Exploring Different Approaches aimed at Overcoming Environmental Sustainability Challenges", Tehran, November 2015
- Think tank meeting on addressing the approaches and aims of the
- Integrated Plan on Restoration and Rehabilitation of Tehran rivers and Qanats, Tehran, August 2015.

3. Collaboration and linkages

3.1 Participation in major international networks, programmes, partnerships with other UN or other International Agencies, media and professional bodies
- Participating in the 7th World Water Forum, South Korea, 2015
- Participating in the 6th Asian G-WADI Network, Tehran, June 2015
- Participating in IKCEST Workshop on huge data application management, Hangzhou, China, December 2015

3.2 Participation in meetings related to the IHP and UNESCO (e.g. the UNESCO General Conference, the UNESCO Executive Board, the IHP Intergovernmental Council and/or other meetings organized by IHP)
- Participating in the 21st UNESCO-IHP Intergovernmental Council, June 2014
- Participating in the Category-II Directors Meeting, Koblenz-Germany, November 2014
- Participating in German Global Climate Change Category II Centre Governing Board, July 2015

3.3 Collaboration and networking with other UNESCO category 1 or 2 institutes/centres
- cross-appointment of directors of the category 1 or 2 institutes or centres on the governing board
- ICQHS – Yazd
- German Global Climate Change Centre
- ICHARM- Japan
- IKCEST- Beijing

3.3.1 exchange of information on activities such as training/educational materials, and funding opportunities
- MoU with ICHARM
- MoU with German Global Change Centre
- MoU with the Water for sustainable Development and adaptation to Climate Change Centre (WSDAC), Serbia, Belgrade
- MoU with International Knowledge Centre for Engineering, Sciences and Technology (IKCEST-Beijing)- Under process

3.3.2 exchange of staff, most notably professionals and students
3.3.3 implementation of joint activities, such as workshops, conferences, training programmes, joint projects, field visits, software and data sharing, knowledge exchange and publications
- Exchange of staff between the Central European University and our Centre
- All of the above mentioned in item 2.3.
3.4 Relationships with the UNESCO field and regional office whose jurisdiction covers the country of location
- UNESCO Tehran Cluster Office (UTCO)

3.5 Relationship with the UNESCO National Commission and the IHP National Committee in the country of location and with other organizations of other countries
- Iranian National Commission for UNESCO
- Iranian National IHP Committee

3.6 Relationship with other UNESCO-related networks, such as UNESCO Clubs, ASPnet, and UNESCO chairs
- UNESCO Chair in Water and Environment Management for Sustainable Cities, Sharif University of Technology
- UNESCO Chair in Biology, University of Tehran, Iran.

4. Communication
4.1 Communication and knowledge dissemination activities undertaken in the framework of IHP
4.2 Policy documents and advice
- Close communication with the Iran National Commission for UNESCO (NATCOM)
- Providing comments on the Iran IHP National Committee Constitution
- Close communication with UNESCO Tehran Cluster Office on the concerned activities

5. Update on Centre Operations
5.1 Membership of the Board of Governors between designated period
- Membership of RCUWM in German Global Change Centre- Koblenz
5.2 Key decisions made (attach minutes of meetings)

6. Evidence of the Centre’s Impacts
6.1 Science Impacts (Major contributions to the science, technology, education, and regional and/or international cooperation in the field of water)
- An evaluation form has been compiled and filled by the participants of our training courses enabling us to evaluate the scientific impacts of the Centre’s activities.
- Promoting public awareness on water related issues throughout the region.
- Scientific training material published by RCUWM on UNESCO urban water management articles (translated in Farsi).

6.2 Knowledge Transfer Impacts (Major achievements in the dissemination of knowledge and technology transfer)
- Promoting knowledge and experience exchange among the experts in the region by holding training events.
- Creating appropriate opportunities for participants who attended RCUWM's activities for mutual cooperation and transferring their experiences.

6.3 Policy Impacts (advice sought by government and other bodies and evidence of inputs into policy arena)
- Drought consequences have been highlighted and political wills have been mobilized for taking necessary actions.
- As RCUWM acts as interim secretariat of International Drought Initiative (IDI), many high rank authorities have been invited to attend the related events enabling us to prepare the IDI Road Map as a policy guideline in the related subjects to drought
- Compiling the guidelines on “Promotion of the international activities of the Deputy of Water and Wastewater Affairs, Ministry of Energy, Iran
7. **Future activities that will contribute directly to IHP and/or to WWAP**

7.1 Operational Plan (attach if available)
- Items cited in part 2.2.

7.2 Strategic Plan linked with IHP-VIII (Appendix 1). Focal areas within IHP-VIII the centre plans to contribute to and specific actions the centre will undertake to align its activities with the strategic plan for IHP-VIII
- Translating one of UNESCO publications in the related fields to Farsi
- Participating in UNESCO related events,
- Extension of RCUWM activities for the 3rd 5-year period, evaluation by UNESCO Experts, mid 2014
- Holding the 10th RCUWM GB Meeting in one of the member countries
- Holding an international drought event, in the framework of IDI activities

8. **Annexes**

8.1 List of publications released by the centre (there can be overlap with those listed in 2.3 above)
- Integrated urban Water management in Arid and Semi Arid Regions (Farsi).

8.2 List of training courses conducted (there can be overlap with those listed in 2.1 above)
- Training Workshop on "Vacuum Pressure Wastewater Collection Network", Tehran, July 2015
- Training Workshop on Water and Media, Tehran, November 2015
Overview of the Core Programme Themes of the Eighth Phase of the IHP (2014-2021)

WATER SECURITY: ADDRESSING LOCAL, REGIONAL, AND GLOBAL CHALLENGES

THEME 1: WATER-RELATED DISASTERS AND HYDROLOGICAL CHANGE
   Focal area 1.1 - Risk management as adaptation to global changes
   Focal area 1.2 - Understanding coupled human and natural processes
   Focal area 1.3 - Benefiting from global and local Earth observation systems
   Focal area 1.4 - Addressing uncertainty and improving its communication
   Focal area 1.5 - Improve scientific basis for hydrology and water sciences for preparation and response to extreme hydrological events

THEME 2: GROUNDWATER IN A CHANGING ENVIRONMENT
   Focal area 2.1 - Enhancing sustainable groundwater resources management
   Focal area 2.2 - Addressing strategies for management of aquifer recharge
   Focal area 2.3 - Adapting to the impacts of climate change on aquifer systems
   Focal area 2.4 - Promoting groundwater quality protection
   Focal area 2.5 - Promoting management of transboundary aquifers

THEME 3: ADDRESSING WATER SCARCITY AND QUALITY
   Focal area 3.1 - Improving governance, planning, management, allocation, and efficient use of water resources
   Focal area 3.2 - Dealing with present water scarcity and developing foresight to prevent undesirable trends
   Focal area 3.3 - Promoting tools for stakeholders involvement and awareness and conflict resolution
   Focal area 3.4 - Addressing water quality and pollution issues within an IWRM framework - improving legal, policy, institutional, and human capacity
   Focal area 3.5 - Promoting innovative tools for safety of water supplies and controlling pollution

THEME 4: WATER AND HUMAN SETTLEMENTS OF THE FUTURE
   Focal area 4.1 - Game changing approaches and technologies
   Focal area 4.2 - System wide changes for integrated management approaches
   Focal area 4.3 - Institution and leadership for beneficiation and integration
   Focal area 4.4 - Opportunities in emerging cities in developing countries
   Focal area 4.5 - Integrated development in rural human settlement

THEME 5: ECOHYDROLOGY, ENGINEERING HARMONY FOR A SUSTAINABLE WORLD
   Focal area 5.1 - Hydrological dimension of a catchment – identification of potential threats and opportunities for a sustainable development
   Focal area 5.2 - Shaping of the catchment ecological structure for ecosystem potential enhancement – biological productivity and biodiversity
   Focal area 5.3 - Ecohydrology system solution and ecological engineering for the enhancement of water and ecosystem resilience and ecosystem services
   Focal area 5.4 - Urban Ecohydrology – storm water purification and retention in the city landscape, potential for improvement of health and quality of life
   Focal area 5.5 - Ecohydrological regulation for sustaining and restoring continental to coastal connectivity and ecosystem functioning

THEME 6: WATER EDUCATION, KEY FOR WATER SECURITY
   Focal area 6.1 - Enhancing tertiary water education and professional capabilities in the water sector
   Focal area 6.2 - Addressing vocational education and training of water technicians
   Focal area 6.3 - Water education for children and youth
   Focal area 6.4 - Promoting awareness of water issues through informal water education
   Focal area 6.5 - Education for transboundary water cooperation and governance