Integrated Monitoring Initiative for SDG 6

SDG indicator 6.5.1:

Implementing integrated water resources management (IWRM)

Global and regional baseline results, transboundary aspects

Gareth James Lloyd, Deputy Chief Manager, UNEP-DHI Centre
Ziad Khayat, Economic Affairs Officer, ESCWA
Presentation overview

- Global and regional baseline 6.5.1 reporting results
- Links between IWRM and levels of development
- Comparison across 4 main IWRM dimensions
- Transboundary reporting under 6.5.1 (global and regional)
- Progress – and next steps – towards Target 6.5
Methodology SDG Indicator 6.5.1

- Country survey with 33 questions, covering 4 dimensions of IWRM:
  - Enabling Environment
  - Institutions and Participation
  - Management Instruments
  - Sustainable Financing
- Under Integrated Monitoring Initiative for SDG 6 (IMI-SDG6)
- Supported by 35 country workshops in collaboration with GWP
Global 6.5.1 IWRM baseline: 2017

• 172 countries reported on the baseline in 2017
• 80% of countries have laid the foundations for IWRM (at least medium-low level of implementation). Accelerating implementation must now be the focus.
• Collective action that builds on the multi-stakeholder monitoring and reporting processes can accelerate implementation.
Regional comparison of IWRM Implementation

<table>
<thead>
<tr>
<th>Region</th>
<th>Ave. Score</th>
<th>Percentage of Countries per IWRM Implementation Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latin America and the Caribbean</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Central and Southern Asia</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>Oceania</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Eastern and South-Eastern Asia</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>Northern Africa and Western Asia</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Europe and Northern America</td>
<td>67</td>
<td></td>
</tr>
<tr>
<td>Australia and New Zealand</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>World</td>
<td>49</td>
<td></td>
</tr>
</tbody>
</table>

IWRM Implementation:
- Very low
- Low
- Medium-low
- Medium-high
- High
- Very high
National SDG indicator 6.5.1 scores in the Arab region, based on 19 reporting countries.
Country scores range from 10 to 100
In the Arab region, national SDG indicator 6.5.1 scores range from: 10 (very low) to 82 (very high)
IWRM vs HDI

IWRM only weakly correlated to level of development.

Countries with lower HDI can still advance IWRM.
• In the Arab region, relatively weak correlation between IWRM implementation and overall level of development.
• Political will and level of priority are critical for implementation.
Implementation across four dimensions of IWRM

1. Policy, laws, plans
2. Institutions & participation
3. Management instruments
4. Financing
Overall IWRM

- Arab region
- World

Financing needs more attention, globally and regionally.
Implementation across dimensions subregionally

<table>
<thead>
<tr>
<th>Dimension</th>
<th>GCC</th>
<th>Maghreb</th>
<th>Mashreq</th>
<th>Southern</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Enabling environment</td>
<td>50</td>
<td>57</td>
<td>44</td>
<td>32</td>
</tr>
<tr>
<td>2. Institutions and participation</td>
<td>68</td>
<td>52</td>
<td>40</td>
<td>36</td>
</tr>
<tr>
<td>3. Management instruments</td>
<td>68</td>
<td>52</td>
<td>50</td>
<td>26</td>
</tr>
<tr>
<td>4. Financing</td>
<td>59</td>
<td>46</td>
<td>27</td>
<td>21</td>
</tr>
<tr>
<td>Average</td>
<td>61</td>
<td>52</td>
<td>40</td>
<td>29</td>
</tr>
</tbody>
</table>

Financing needs more attention, globally and regionally.
### 6.5.1 Transboundary level questions

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Enabling environment</td>
<td>Arrangements for transboundary water management</td>
</tr>
<tr>
<td>2. Institutions &amp; participation</td>
<td>Organizational framework for transboundary water management</td>
</tr>
<tr>
<td></td>
<td>• Gender-specific objectives/plans at transboundary level (2017).</td>
</tr>
<tr>
<td>3. Management instruments</td>
<td>Transboundary data and information sharing between countries</td>
</tr>
<tr>
<td>4. Financing</td>
<td>Financing for transboundary cooperation</td>
</tr>
</tbody>
</table>
SDG Indicator 6.5.1: Transboundary cooperation in the Arab region

- Five transboundary water management elements

<table>
<thead>
<tr>
<th></th>
<th>Organizations</th>
<th>Arrangements</th>
<th>Financing</th>
<th>Data sharing</th>
<th>Gender</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arab region</td>
<td>46</td>
<td>37</td>
<td>33</td>
<td>43</td>
<td>25</td>
<td>38</td>
</tr>
<tr>
<td>World</td>
<td>57</td>
<td>56</td>
<td>40</td>
<td>48</td>
<td>32</td>
<td>47</td>
</tr>
<tr>
<td>Difference</td>
<td>11</td>
<td>19</td>
<td>7</td>
<td>5</td>
<td>7</td>
<td>9</td>
</tr>
</tbody>
</table>

- Across the four main dimensions of implementation, the region on average is performing at a medium-low level
SDG Indicator 6.5.1: Transboundary level implementation of IWRM in the Arab region
## Progressing towards target 6.5 by 2030

<table>
<thead>
<tr>
<th>Percent of countries at each implementation level</th>
<th>Score range</th>
<th>Baseline</th>
<th>Countries per category</th>
<th>Score range</th>
<th>Baseline</th>
<th>Towards 2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Very high</td>
<td>91-100</td>
<td>0</td>
<td>91-100</td>
<td>No country has fully implemented all IWRM processes.</td>
<td>Likely to meet the global target if momentum is maintained.</td>
</tr>
<tr>
<td>15</td>
<td>High</td>
<td>71-90</td>
<td>3</td>
<td>71-90</td>
<td>3 countries are generally achieving policy objectives for IWRM. Geographic coverage and stakeholder involvement generally good.</td>
<td>Potentially able to reach the global target, but efforts need to be focused and sustained towards 2030.</td>
</tr>
<tr>
<td>21</td>
<td>Medium-high</td>
<td>51-70</td>
<td>4</td>
<td>51-70</td>
<td>4 countries are implementing most IWRM elements in long-term programmes.</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Medium-low</td>
<td>31-50</td>
<td>9</td>
<td>31-50</td>
<td>9 countries have institutionalized most IWRM elements and implementation is under way, but uptake of arrangements is not widespread.</td>
<td>12 countries unlikely to meet the global target unless progress is significantly accelerated. Countries should aim to set national targets based on the local context.</td>
</tr>
<tr>
<td>19</td>
<td>Low</td>
<td>11-30</td>
<td>2</td>
<td>11-30</td>
<td>3 countries have started developing IWRM elements. Limited uptake across the countries and potentially low stakeholder participation.</td>
<td></td>
</tr>
<tr>
<td>&lt;1</td>
<td>Very low</td>
<td>0-10</td>
<td>1</td>
<td>0-10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Regional enablers to IWRM implementation

• Arab regional strategies and action plans
• Arab Integrated Water Resources Management Network (AWARENET)
• Using SDG 6.5.1 reporting in regional dialogue
  • Improving the data collection approach
  • Building on the 6.5.1 reporting process to guide national, sub-regional, and regional action
http://iwrmdataportal.unepdhi.org
Thank you!

IWRM Portal:  http://iwrmdataportal.unepdhi.org
6.5.1 Help Desk:  iwrmsdg651@un.org
Gareth James Lloyd:  gjl@dhigroup.com
Ziad Khayat:  khayat@un.org
EXTRA FIGS (CUT FROM PRESENTATION)
Presentation overview

1. Summary of materials and timeline

2. 6.5.1 in the SDG 6 context

3. National, regional, global value

4. 6.5.1 IWRM survey overview

5. Country process: monitoring and reporting

6. Next steps and support
6.5.1 in the SDG 6 context

SDG 6 “Ensure availability and sustainable management of water and sanitation for all”
Target 6.5: Water resources management

Target 6.5 By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate.

Indicator 6.5.1 Degree of integrated water resources management implementation (0-100)

Indicator 6.5.2 Proportion of transboundary basin area with an operational arrangement for water cooperation
Implementing IWRM in other levels

- Sub-national gender objectives
- Local level stakeholder participation
- Sub-national budget for investment
- Basin/aquifer management plans
- Sub-national policy
- Basin/aquifer organisations