Republic of Macedonia River Basin Management

Content:
- Institutional setup in water sector
- Legal framework for managing of river basins
- River basins general characteristics
- Irrigation and drainage organizational forms
Legal framework and basic water documents

- Water Law
- National strategy for waters
- Water master plan
- River basin management plans
In the Republic of Macedonia surface waters cover 477 km2, that represent 1,88 % of the territory. There are about 35 rivers, 53 natural and artificial lakes. The rivers flow into three different river basin districts:
- Aegean,
- Adriatic and
- Black Sea basin district.
The Aegean basin district is the largest. It covers 87 % of the territory or 22,075 km2. It is divided on Vardar River Basin and Strumica River Basin.
River Basin districts in Macedonia
Percentage of particular river basin

- Vardar River Basin 80,35%
- Crn Drim River Basin 13,06%
- Strumica River Basin 6,41%
- Binachka Morava River Basin 0,17%
Authorities of Ministry of agriculture, forestry and water management in the water sector

Implementation of:
- Law for Water Economies
- Law for Irrigation Water Communities

Monitoring and control to irrigation and drainage organizations:
- Water Economies
- Irrigation Water communities
Water Economies Law

This Law regulate the establishment, organization, operation, financing, control and termination of the operation of the water economies.

Irrigation Water Communities Law

This law sets the conditions, manner, and procedure for the establishment, registration, operation, supervision, and dissolution of water communities.
Organizational setup of water issue inside the Ministry of agriculture, forestry and water management

Water Management Department

- Managing Capital projects for building of Dams and irrigation network in Zletovica, Lisice, Juzen Vardar, Orizarska Reka, Konsko
- Irrigation and drainage infrastructure investments
- Control and auditing of Water Economies and Irrigation water communities
### Water Economies and Irrigation Water Communities

<table>
<thead>
<tr>
<th>Water Economy</th>
<th>Total irrigation area (ha)</th>
<th>Total drainage area (ha)</th>
<th>Number of IWC</th>
<th>IWC area (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In the WE area</td>
<td>Out of WE area</td>
<td>Under liquidation</td>
<td>In the WE area</td>
</tr>
<tr>
<td>Tikves - Kavadarci</td>
<td>13,800</td>
<td>-</td>
<td>26</td>
<td>3</td>
</tr>
<tr>
<td>Bregalnica - Kocani</td>
<td>28,111</td>
<td>-</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>Polog-Gostivar</td>
<td>13,350</td>
<td>-</td>
<td>20</td>
<td>17</td>
</tr>
<tr>
<td>Juzen Varda-Gevgelija</td>
<td>5,662</td>
<td>-</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Prespa-Resen</td>
<td>3,635</td>
<td>-</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>Strumicko Pole-Strumica</td>
<td>13,400</td>
<td>-</td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>Radovisko pole-Radovis</td>
<td>5,140</td>
<td>-</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Berovo-Berovo</td>
<td>917</td>
<td>6,600</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Skopsko Pole-Skopje</td>
<td>629</td>
<td>6,000</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Kumanovsko-Lipovsko Pole-Kumanovo</td>
<td>6,471</td>
<td>-</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Prilepsko Pole-Prilep</td>
<td>3,045</td>
<td>27,500</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Bitolsko Pole-Bitola</td>
<td>-</td>
<td>54,000</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>94,160</strong></td>
<td><strong>88,100</strong></td>
<td><strong>82</strong></td>
<td><strong>33</strong></td>
</tr>
</tbody>
</table>
Water economies (WE)

- Responsible for operation and maintenance of the main structures (dams) and canals which are under state property
- Management contract for 15 years between WE and MAFWE
- 12 water economies established by Government decision
- Supply of water for: irrigation, drinking, domestic and commercial uses, industrial uses, including power generation.
- Autonomous self-funding public organizations
- Managed by Board of water users
Irrigation water communities (IWC)

- Association of owners or users of agricultural land associated and responsible for: management, operation and maintenance, construction, reconstruction or expansion of tertiary and/or secondary network or small irrigation schemes
- Manage with secondary irrigation infrastructure, which is under state property, and transferred for operation and management to IWC with Government decision
- Managed by Assembly, management board and auditing board
Rehabilitation of main irrigation infrastructure
Rehabilitation of main irrigation infrastructure
Thank you for your attention