AGRICULTURE AND WATER MANAGEMENT

Zagreb, mart 2014.
GENERAL DATA-Republic of Srpska

Total area 2.446.780 ha
Total agricultural land 1.252.311 ha or 51.2%
Arable land 893.540 ha
Arable land per capita 0,64 ha
Only 0,20 ha/capita in use at the moment
The most perspective agricultural land:
158.000 ha:
  Ž 134.400 ha Sava river basin
  Ž 23.600 ha Trebišnjica river basin
PAST SITUATION:
3.439 ha in Sava river basin
3.823 ha in Trebišnjica river basin
Total area 7.262 ha or 4.46%

PRESENT SITUATION:
1.500 ha in Sava river basin
200 ha in Trebišnjica river basin
Total area 1.700 ha or 1.076%
(world average cca 17.0%)
GENERAL DATA- Federation of Bosnia and Herzegovina

Total agricultural land 1.145.000 ha
Arable land 719.000 ha or 62,8%
Arable land per capita 0,31 ha
only 0,2 % of arable land is irrigated

362,5 ha in Sava river basin
1 250 ha in Adriatic sea district
STRATEGIC GOAL: To provide water of appropriate quality and quantity

- Sustainable irrigation

Limitation: protection from water, inappropriate size of land, water quality, water quantity, water association

First phase-10 years

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Field</th>
<th>Area (ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Bijeljina</td>
<td>Bijeljina-West</td>
<td>3.158</td>
</tr>
<tr>
<td>2. Pelagičevo</td>
<td>Pelagičevo</td>
<td>274</td>
</tr>
<tr>
<td>3. Kozarska Dubica</td>
<td>Dubička Ravan</td>
<td>1.000</td>
</tr>
<tr>
<td>4. Srbac</td>
<td>Sitneši</td>
<td>491</td>
</tr>
<tr>
<td>5. Ljubinje</td>
<td>Ljubinje Field</td>
<td>400</td>
</tr>
<tr>
<td>6. Gradiška</td>
<td>Lijevče Field-Gradiška</td>
<td>1.253</td>
</tr>
<tr>
<td>7. Šamac</td>
<td>Lugovi</td>
<td>2.351</td>
</tr>
<tr>
<td>8. Laktaši</td>
<td>Lijevče Field-Laktaši</td>
<td>1.500</td>
</tr>
</tbody>
</table>

**Ukupno:** 10.427

End-Total arable land under irrigation 79.907 ha
ONGOING PROJECT

World Bank assistance to B&H for
Irrigation Development Project (IDP)

Target investment:
- rehabilitation
- modernization
- improvement of existing irrigation schemes
- new systems

Republic of Srpska (20 mil.USD):
rehabilitation (5000 USD/ha)
- Bijeljina (Novo Selo - neto area 622 ha)
- Pelagićevo (Gojkovo i Stakića Field – neto area 212 ha)
ONGOING PROJECT

Federation BH (Sava River Basin)

- Goražde (net area 65 ha; water demand 40 l/s)
- Foča-Ustikolina (net area 88 ha; water demand 22,25 l/s)

- Capital cost for the project 13,300 US$/ha
- Beneficiary 385 households
PROJECT AREA- Goražde and Foča -Ustikolina
90,000 ha arable land is under protection from water:
- External water (rehabilitation, reconstruction, building embankments)
- Internal water (drainage thru channals, reconstruction and building pump station)
Soli map in project areas
WATER QUANTITY

Total amount of required water is 293,990,144 m³/year or 42.5 m³/s.

To provide enough water (summer) it has been proposed 28 accumulation with volume of 140,000,000 m³ or 41.8% of total needs.

PROPOSAL:
- Gradiška area- r. Jablanica and r. Vrbaška
- Posavina area- r. Tolisa
- Prijedor area- r. Milosavka, r. Gomjenica and r. Subotica
- Kozarska Dubica- r. Rakovica
- Ljubinsko polje
WATER QUALITY

Water protection:
- Point source (urban area, industry, farms)
- Diffuse pollution (agriculture-pesticides, erosion, hydrological regime, hidromorphological alteration)

Legal needs-Water Low: Class III for irrigation

Water monitoring
THANK YOU