Energy Community’s work on wood energy

Milka Mumović, Energy Community Secretariat

Bioenergy from the Forest Sector

Budapest, 6-8 December 2016
The Energy Community – Extending the EU internal energy market

Where?
South East Europe and Black Sea Region

Why?
Creating single regulatory and market framework to:

- attract investments,
- enhance security of supply,
- improve environmental situation and
- increase competition in the energy market

How?
By the Rule of Law

Energy Community Secretariat
Bioenergy from the Forest Sector
The Energy Community Secretariat

Energy Community Secretariat

The Energy Community for the Future

- **The Energy Community Treaty (ECT)**
  - 1st decade – 2006 - 2016 (1 July entered into force)
  - 2nd decade – 2016 – 2026 (extended in 2013)
  - Ongoing discussion on amendments to the ECT

- **EU Acquis communautaire** adapted and adopted in the Energy Community:
  - Electricity, gas, environment, competition, renewables, energy efficiency, oil, statistics, infrastructure
Renewable energy sources

By Decision D/2012/04/MC-EnC, the Ministerial Council adopted Directive 2009/28/EC and determined the Contracting Parties’ binding national targets to be achieved through the use of renewable energy in the electricity, heating and cooling, and transport sectors by 2020. For determining the targets, a similar methodology as for the EU Member States was applied.

Source of data:

1. consumption of firewood / solid biofuel based almost exclusively on administrative source (roundwood from forestry administration) and business (processing plants for pellets, briquettes, partly charcoal)

-Missing information:
   - wood waste, wood chips; wood residues
   - agricultural waste:
Revision of solid biofuel data year 2009

Study on the Biomass Consumption for Energy Purposes in the Energy Community

Center for Renewable Energy Sources and Saving
February 2012

Table:

<table>
<thead>
<tr>
<th>Country</th>
<th>2009-Official statistics</th>
<th>2009-Biomass revised-Baseline RES share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albania</td>
<td>210</td>
<td>213</td>
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<tr>
<td>BiH</td>
<td>183</td>
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<td>1054</td>
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<td>Ukraine</td>
<td>1041</td>
<td>2937</td>
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</table>

Note: The table compares the official statistics with the revised biomass baseline RES share for the year 2009.
## Survey results - 2009/2010

<table>
<thead>
<tr>
<th>CP / consumption</th>
<th>Households</th>
<th>Industry</th>
<th>Tertiary</th>
<th>Total in ktoe</th>
<th>Total in PJ</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Woodfuel</td>
<td>Pellets</td>
<td>Other biomass</td>
<td>Agriculture</td>
<td>Services</td>
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<tr>
<td>Albania</td>
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<td>12</td>
<td>1</td>
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<tr>
<td>Bosnia &amp; Herzegovina</td>
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<td>9</td>
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<td>1</td>
<td>14</td>
<td>2</td>
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<tr>
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<td>4</td>
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<td>14</td>
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<td>36</td>
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<td>Ukraine</td>
<td>2.778</td>
<td>53</td>
<td>46</td>
<td>17</td>
<td>43</td>
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<tr>
<td>Kosovo*</td>
<td>217</td>
<td>11</td>
<td>2</td>
<td>6</td>
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</tr>
</tbody>
</table>

*Note: ktoe = kilo tonnes of oil equivalent, PJ = petajoules*
RES Target based on revised biomass data

- **Albania**: 0.312 (0.068 additional effort)
- **Bosnia and Herzegovina**: 0.34 (0.06 additional effort)
- **Kosovo**: 0.189 (0.061 additional effort)
- **The FYR of Macedonia**: 0.219 (0.061 additional effort)
- **Moldova**: 0.119 (0.051 additional effort)
- **Montenegro**: 0.263 (0.067 additional effort)
- **Serbia**: 0.212 (0.058 additional effort)
- **Ukraine**: 0.055 (6% additional effort)

- 2009 RES share
- Additional Effort to 2020 RES Target
Need for more accurate / reliable information on consumption

Support activities to obtain such information in a sustainable manner

Support responsible national institutions

Consumption surveys prepared and conducted by national statistics institutions

Surveys in Bosnia and Herzegovina Montenegro, FYR of Macedonia, (2015) and Moldova 2016

Revision of data series ongoing
Continuous activity

Completed projects:

Energy consumption in service sector in Montenegro 2014
Energy consumption in households 2014 in FYR Macedonia
Survey on household energy consumption in BiH 2015
Energy consumption in Households in Moldova 2016

Data are never perfect:

Continuity in observation
Coordination and cooperation (internal, external, peer) (Forestry Agriculture...)
Validation, checking, auditing
Revision and improving

Calorific values???
Consumption surveys and RES targets

- Ukraine
- Serbia
- Montenegro
- Moldova
- The FYR of Macedonia
- Kosovo*
- Bosnia and Herzegovina
- Albania

<table>
<thead>
<tr>
<th>Country</th>
<th>2009 RES share</th>
<th>2014 RES Share *</th>
<th>2020 RES target</th>
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<tbody>
<tr>
<td>Ukraine</td>
<td>44.9%</td>
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Thank you for your attention!

Milka Mumović, Energy Community Secretariat