Bioeconomy in the context of Basilicata Region S3
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THE SOCIO ECONOMIC CONTEXT: BASILICATA IS A RURAL REGION

Surface: 9,995 Km²
Population: 576,610
Pop. Density: 57,24/Km²

Altimetry classification

- Mountain: 999,461 ha (99.8%
- Plain: 80,312 ha (8.1%)
- Hill: 450,934 ha (45.1%)

ITALY
THE SOCIO ECONOMIC CONTEXT: BASILICATA IS A RURAL REGION

<table>
<thead>
<tr>
<th>2013 (M€)</th>
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<tbody>
<tr>
<td>GDP</td>
<td>10.598</td>
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<tr>
<td>GDP per capita</td>
<td>18.410</td>
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<tr>
<td>Added Value</td>
<td>9.714</td>
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<tr>
<td>Agrofood, Forestry</td>
<td>579</td>
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<tr>
<td>Industry</td>
<td>2.767</td>
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<tr>
<td>Food industry</td>
<td>214</td>
</tr>
<tr>
<td>Services</td>
<td>6.368</td>
</tr>
<tr>
<td>Employed people</td>
<td>199.300</td>
</tr>
<tr>
<td>Unemployment rate (%)</td>
<td>13.0</td>
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</table>
5 PROMINENT PRODUCTIVE CLUSTERS: 1. AGROFOOD

1. Metaponto
2. Vulture-Melfese
3. Val d’Agri
4. Matera Hill
5. Internal areas

793 Meuro
26,600 workers
5 PROMINENT PRODUCTIVE CLUSTERS: 4. ENERGY & ENVIRONMENT

1. OIL EXTRACTION

4,000,000 t/year
8% of Italian demand
154 Meuro/year royalties
1. TAL 719,000 ha
2. UAL 542,000 ha
3. FOREST 355,000 ha
4. Protected area 237,000 ha
5. 54,000 farms

- 5 rivers
- 12 reservoir dams
- 8% of UAL is irrigated
- 500,000 t/y biomass
- Forest biomass underused
- 100,000 ha available
- 15,000 ha irrigated land
BASILICATA BIOECONOMY: INNOVATION ECOSYSTEM

1. University of Basilicata
2. National Agency for Energy
3. National Research Council
4. Agriculture Research Council
5. ALSIA
6. Metapontum Agrobios
7. FCA Campus
8. Italian Space Agency

1. Sviluppo Basilicata
2. Basilicata Innovazione
3. CREATEC scarl
4. CERTA scarl
BASILICATA BIOECONOMY FIRST CLASS R&D PLATFORMS

1. Plant Phenomics Platform
2. Food Biotechnology Pilots
3. Biorefineries, Biomass Pilots
4. Agrobiotech labs
BASILICATA BIOECONOMY STRATEGY: GOALS & CHALLENGES

SUPPORT AGROFOOD CHAINS:
- Exploit KETs (Biotech, ICT) for product and process innovation
- Improve environmental sustainability
- Increase company competitiveness and profitability
- Attract young people in bioeconomy
- Increase export

INTRODUCE NEW VALUE CHAINS:
- Biorefineries for agricultural wastes and residual biomasses
- Specialized crops for green chemistry, pharmaceuticals
- Use of marginal lands
BASILICATA BIOECONOMY STRATEGY: NEEDS

- Invest in logistic infrastructures
- Support cooperation (Land pulverization, scarce attitude, large presence of very SMEs)
- Strengthen technology transfer systems
- Close the gap between R&D and enterprises
- Attract external investments (Weak industrial bioeconomy sector, reduced regional private financial power)
- Boost the R&D technology platforms and clusters
- Invest in international and interregional cooperation
THANK YOU FOR YOUR ATTENTION

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