

# Overview of state of play on bioeconomy in Turkey

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“Facilitating development of bioeconomy policy – needs and gaps” Brussels, 3rd May, 2019 and

“Supporting the development of national bioeconomy strategies” Brussels 14th June 2019

# What is currently available for a bioeconomy strategy ?

- Bioeconomy strategy is under development
  - Biotechnology Strategy (2014-2018)
  - National Zero Waste Campaigne
- Accelerating the process of Building National Bioeconomy Strategy
- Working Group (Core group for pre-work) – MoAF, MoIndTech, University, TÜBİTAK-
- Road Map
- State of play report until the end of the June, 2019
- Awareness activities
  - Meeting with related public bodies
  - Universities
  - Related international bodies

# What are our target sectors for bioeconomy?

## ➤ Primary sectors

- Agriculture: 52 bill. Usd Dolar – 6.1% GDP – 5.5 mill. Employment – 18.3% of total emp.
- Agricultral land: 38.5 mil. ha
- Forest Area: 22.3 mill ha
- Madeterian- Blacksea- Aegean sea, Marmara See and inland waters

## ➤ Secondary sectors

- Food and Bavarege iindustry: 63.1 Bill. Dolar
- Textiles, wearing apparel, leather and related products
- Wood and of products of wood and cork, except furniture; articles of straw and plaiting materials
- Paper and paper products
- ...
- ....

Aprox. 137 billion  
USD-15% of GDP

# What are the responsible public bodies and relevant stakeholders?

- Ministries
  - Agricultural and Forestry
  - Industry and Technology
  - Environment and Urbanization
  - Health
  - Education
  - Trade
  - Treasury and Finance
- Related Bodies under Presidency
- Universities
- Private Sector
- NGOs

# What are the short-term and long-term external policy support needs ?

	Process related support	Technical assistance support	Strategy drafting support
Building Block 1: Describe the bioeconomy concept at national level	<ul style="list-style-type: none"> <li>- Workshop with stakeholders (inc. Farmers dem.)</li> <li>- Public and society awareness raising</li> <li>- Best practices-countries</li> </ul>	<ul style="list-style-type: none"> <li>- .</li> <li>- 1. Workshops and technical visits</li> <li>  2. Mapping of possible stakeholders</li> <li>  3. Public service ads/using ICTs</li> <li>- Country visits/meetings (possible MLE topic)</li> </ul>	<ul style="list-style-type: none"> <li>- .</li> <li>- .</li> <li>- Training for strategy drafting to be in line with EU Strategy</li> </ul>
Building Block 2: Assess current state of bioeconomy and ambition within the EU Strategy	<ul style="list-style-type: none"> <li>- Strategy development methodology</li> <li>- Measurement of bioeconomy in Turkish economy</li> <li>- Setting targets and SWOT</li> <li>- Best practices-countries</li> </ul>	<ul style="list-style-type: none"> <li>- Training for national experts (By EU/SCAR experts)</li> <li>- Expert support and training with different methods</li> <li>- 1. Technical working groups for different fields</li> <li>  2. Biomass data measurement and evaluation</li> <li>- Country visits/meetings (possible MLE topic)</li> </ul>	<ul style="list-style-type: none"> <li>- .</li> <li>- .</li> <li>- Training and expert support</li> <li>- .</li> </ul>

# What are the short-term and long-term external policy support needs ?

	Process related support	Technical assistance support	Strategy drafting support
Building Block 3: Define bioeconomy measures, platforms and initiatives to achieve targets	<ul style="list-style-type: none"> <li>- Development of clusters/networks</li> <li>- Monitoring on Bioeconomy</li> <li>- Building capacity within the public bodies to plan and monitor Strategy</li> <li>- Country level capacity building</li> </ul>	<ul style="list-style-type: none"> <li>- Pilot cases</li> <li>- Training and expert support</li> <li>- Training for national experts</li> <li>- 1. Trainings and demos for stakeholders</li> <li>    2. Workshops for different field.</li> </ul>	<ul style="list-style-type: none"> <li>- Possible EIP support for candidate countries</li> <li>- .</li> <li>- .</li> <li>- .</li> </ul>
Building Block 4: Leverage on the national and EU policies for sustainable bioeconomy	<ul style="list-style-type: none"> <li>- Constructing national legislative framework</li> <li>- Transnational and regional cooperation</li> <li>- Workshops on common challenges in terms of implementing the Strategy</li> <li>- Establishment of the Executive Board/High level forum</li> <li>- Harmonisation with EU legislation and European Strategy</li> </ul>	<ul style="list-style-type: none"> <li>- Country visits/meetings (possible MLE topic)</li> <li>- 1. Pilot cases</li> <li>    2. Collaboration between national experts and bodies</li> <li>- Workshops/meetings with different countries (MLE)</li> <li>- Training on examples</li> <li>- Training and expert support</li> </ul>	

# Actions to advance the development of the bioeconomy strategy

Main Actions	Plans and works	Expectations/Challenges/Participants
<b>Preparatory work (January –July, 2019)</b>	<ul style="list-style-type: none"> <li>• Creating of working groups</li> <li>• Awareness activities for the stakeholders (Ministries, universities, private sectors)</li> <li>• State of play report until the end of the June, 2019</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of current situation with raw data/information</li> <li>• To define/state fittest model/decription/content for Turkey</li> <li>• To determine the possible stakeholders</li> <li>• Lack of accurate and field-specific data</li> <li>• Lack of field experiences for best practices</li> <li>• Insufficient public awareness</li> <li>• Facilitator: MOAF and related public inst.</li> </ul>
<b>Determination of potential and thematic areas (July – December, 2019)</b>	<ul style="list-style-type: none"> <li>• Determinate the global Bioeconomy fields</li> <li>• Introduce / expose current situation</li> <li>• Determinate the development trends</li> </ul>	<ul style="list-style-type: none"> <li>• Overall picture for the field with accurate data related to the possible Bioeconomy subsectors</li> <li>• Measurement of potential</li> <li>• Allocation of roles/responsibilities among stakeholders</li> <li>• Lack of accurate and field-specific data and data gathering problems</li> <li>• Timing</li> <li>• Funding</li> </ul>
<b>Preparation of strategy (May, 2020)</b>	<ul style="list-style-type: none"> <li>• Workshops for strategy and action plans with the participation of all stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• Drafting the Strategy</li> <li>- Content Targets, implementations, monitoring tools etc.</li> <li>- Actions plan</li> <li>• Timing</li> <li>• Funding</li> </ul>
<b>Implementation and monitoring of national strategy (June, 2020-</b>	<ul style="list-style-type: none"> <li>• Strategy become a national policy and implementation</li> </ul>	<ul style="list-style-type: none"> <li>• Full political commitment by all partners</li> <li>• Building legislative framework</li> <li>• Announcement</li> <li>• Implementation</li> <li>• Monitoring</li> </ul>