



REPUBLIC OF TURKEY
MINISTRY OF AGRICULTURE AND FORESTRY
Directorate General of Agricultural Research and Policies (TAGEM)

Building Bioeconomy Strategy in Turkey



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Representative of Turkey

April 5th, 2019

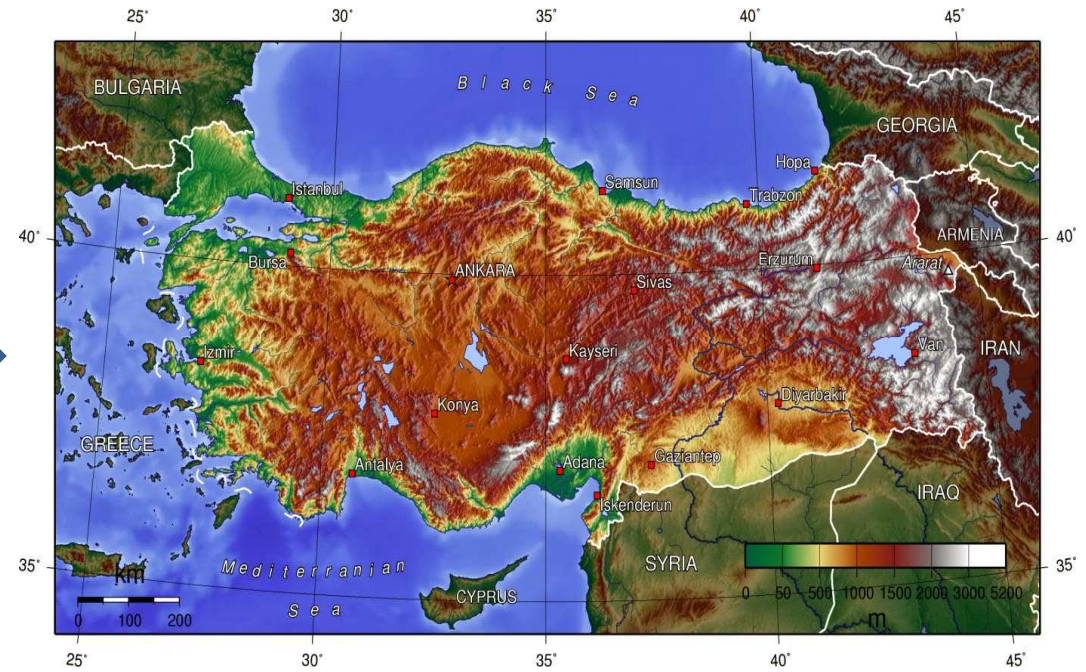


Overview to Turkish Agriculture



Turkish Agriculture

Geographical Features of Turkey





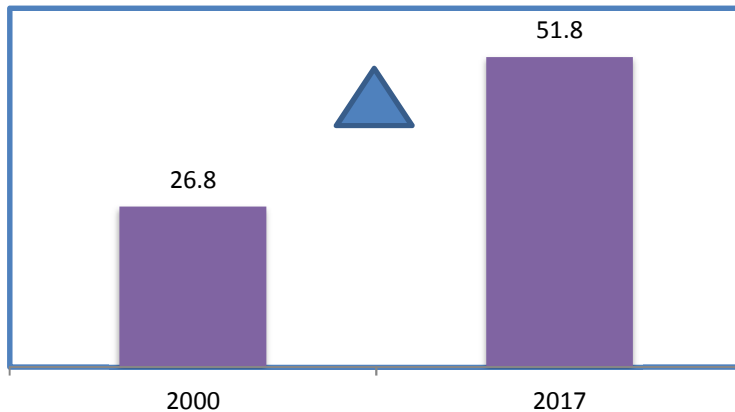
Turkish Agriculture



Overview to Agriculture Sector

Turkey is the first in Europe since 2005 in terms of Agricultural GDP.

AGRICULTURAL GDP (Billion \$)



SHARE in TOTAL GDP: 6.1 %

TURKISH AGRICULTURE SECTOR;
is growing for 12 out of last 17 years
4.9% in 2017

The population dependant on agriculture
is about **20 million**.

Turkish agriculture sector meets the food requirement of **81 million** Turkish citizens, **40 million** tourists and **4 million** refugees (3.5 million-Syrian) and exports agricultural and food products which accounts **16.9 \$ billion** to nearly **200 countries**.



A GLOBAL VIEW

- **World Agriculture**
 - GDP: **5.4 \$ billion** (2017)
 - Trade Volume: **1,533 \$ billion** (2017)
 - Population: **7,550 million** (2017)
- One of the largest agricultural economies in the world,
 - **1st** in the Europe,
 - **15th** in arable land in the World (**1st** in Europe) ,
 - A top producer and exporter of crops ranging from **hazelnuts** and **chestnuts** to **apricots, cherries, figs, olives, tobacco** and **tea**.



WHY WE NEED A BIOECONOMY STRATEGY



Through Bioeconomy Strategy of Turkey



Why we need a bioeconomy strategy

- Brings a new approach to economic processes
- Provides new production areas and employment opportunities
- Increasing environmental perception will bring a macro view to the public
- Dispersed works on bioeconomy reduce effectiveness (biotechnology, zero waste, farming 4.0, smart farming etc.)
- Compiles with similar works under the umbrella of bioeconomy will aim to diversify common objectives and ensure resource efficiency
- Serves the reuse of biobased waste to the economy



Our constraints

- Data accessibility
- Having a lot of thematic areas
- Persuading the bureaucracy (high level)



Bioeconomy Strategy Works



Working on BS in 2013

- Attending SCAR Biomass Group in 2012
- National Bioeconomy Workshop in 2013

Results of Workshop

- Establishment of bio-economy steering committee
- Determining the role of stakeholders and organizations
- Establishment of a working group for the building of bioeconomy strategy
- Launching inventory studies
- Determination of the thematic priorities of Turkey
- Strategy preparation and monitoring





Bioeconomy Strategy Works



Working on BS 2017

- New delegate in SCAR Bioeconomy SWG
- Attending the Meetings regularly
- Effective information flow
- SCAR CASA Mentoring Programme

Working on BS 2018

- SCAR CASA Mentoring Programme
- New Management in TAGEM, August 2018
- Sharing the info with the Minister of MoAF
- Minister and DG of TAGEM gave instruct for initiating the process





Bioeconomy Strategy Works



Working on BS 2019

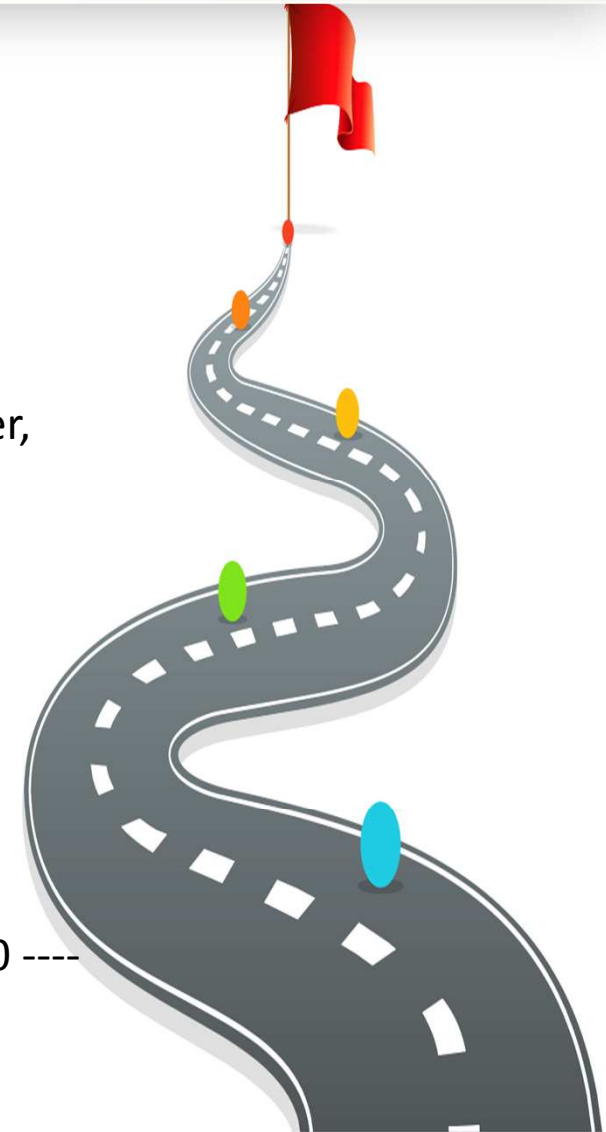
- Initiating the process of «Building National Bioeconomy Strategy»
- Establishing core working group
- Internal discussion on the process
- Mentor/Menttee Meeting with SCAR SG Italian Delegate/exchanging info
- First Meeting with extensive core group





Roadmap

- Preparatory work (January –July, 2019)
- Determination of potential and thematic areas (July – December, 2019)
- Establishment of the Executive Board (January, 2020)
- Preparation of strategy (May, 2020)
- Implementation and monitoring of national strategy (May, 2020 ----





Bioeconomy Strategy Works



Working Group Meeting:

✓ First WG Meeting was held in March 8, 2019

- A preliminary report will be prepared on the subject (end of May)
- Definition of the scope and our country's priority
- Economic calculations to determine our current status
- Reviewing strategies of other countries
- Examining related strategies and projects in our country

✓ Planned Meetings

- Strategy and Budget Directorate of Presidency (Development Plans, etc.)
- TurkStat (data sharing)





Bioeconomy Strategy Works



Meeting with the Menagers of TAGEM

- ✓ Meeting was held in March 19th, 2019
- ✓ A presentation was given on Bioeconomy and our Bioeconomy Strategy Work
- ✓ Discussing the roadmap and structure
- ✓ Raising awareness from the bottom to the top.





Bioeconomy Strategy Works



Working Group Meeting:

- ✓ **Second WG Meeting was held in April 2, 2019**
- Meeting was organised in Ministry of Industry and Technology Premises
- Discussion on Bioeconomy Strategy and their contribution



Negotiation with Canada

- Further collaboration
- IBF



THANK YOU FOR YOUR ATTENTION



<https://www.tarimorman.gov.tr/TAGEM>