Panel session on Forests and the Circular Economy
Low impact harvesting in Turkey - Circular economy value chains
4 November 2019 Monday 14:30-14:50

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World Population Prospects 2019:
- 7.7 billion people worldwide in 2019,
- 9.7 billion in 2050,

Turkey’s Population
- 82 million + 4.3 million refugees (2019)
- 93 million 2050
- Last 16 years, motor vehicles increased three-fold.
- Airline passengers increased to 193.3 million from 34 million in 2003.
- 5.6 times in 14 years.
Low impact harvesting in Turkey -
Forestry Sector
Low impact harvesting in Turkey - Forestry Sector

- Country Area: 78, 5 mil. ha
- Forest: 22,6 million ha (28%) (Country Description)
- Growing Stock mil. m3 (1973-2018)
- 935 1,658
Low impact harvesting in Turkey—Global, Regional and National Approaches

Sustainable Development Goals

- Turkey’s National Development Plan (2019-2023)
- National SD Coordination Board under the Presidency of the RoT

SDG GOAL 12: consumption and production

- «...Development Plan is focused on ensuring competitiveness and productivity increase in all areas...»

UN strategic plan for forests, Global Forest Goal 2

- Forest Law and other related legislations
- Articles of the Presidential Decree No. 1 and No. 4 on "Ministry of Agriculture and Forestry" and the «General Directorate of Forestry» established at TOG in 2018

EU Circular Economy Action Plan

ZeroWaste Project of Turkey supported by the Presidency—http://zerowaste.gov.tr/
2nd International Zero Waste Summit - 1 November 2019
**SDG GOAL 12**: consumption and production

- Turkey’s National Development Plan (2019-2023): *The contribution of forests to the economy will be increased through sustainable forest management.*
  - Forest villagers will be supported.
  - Professionalism will be increased.
  - Industrial plantations will be supported.
  - The use of wood will be expanded.
Global Forest Goal 2: Enhance forest-based economic, social and environmental benefits, including by improving the livelihoods of forest dependent people.

- Some of the duties of the GDF are as follows:
  - To ensure the continuity of forest products and services, to operate forests...and to market...
  - To work in close cooperation with private sector, NGOs and universities that produce, process, market, import and export all kinds of forest products,
  - To make consultancy and implement projects at home and abroad.
  - To support the social and economic development of the villagers .., to provide loans or grants.
  - To support the cooperatives operating in the field of forestry.
  - To operate related work to non-wood forest products and forest ecosystem services,
Low impact harvesting in Turkey
Examples from Turkey’s Forestry

- Wood Production-Implementation of Circular Economy
  - All forests are under «forest management plans»
  - Increasing of annual increment and annual production
  - Increasing of internationally certified areas
  - Production and classification according to market demand
  - Supporting small and medium-sized forest enterprises mainly in rural areas
  - Support to major industrial enterprises in the fiber-chip and MDF sectors
  - Supporting the furniture industry
  - Supporting employment in the public and private sectors
  - Pallet industry
  - Production techniques that will cause the least harm to the environment
  - Zero waste in forestry sector
Low impact harvesting in Turkey:

- Forest Land ha (1973-2018): 20
- Annual Increment m³ (1973-2018): 47
- Industrial roundwood m³ (1988-2018): 19

*million
HANDS ON TRAINING ON INDUSTRIAL ROUNDWOOD AND FUELWOOD PRODUCTION
A signed protocol between Ministry of Agriculture and Forest and Ministry of National Education in 2013;
150,000 Villagers have been trained and certified in contents of production, standardization, First response time and Safety.
T.C. TARIM VE ORMAN BAKANLIĞI
ORMAN GENEL MÜDÜRLÜĞÜ

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Her şey Türkiye’ımız, geleceğimiz ve çocuklarımız için.

El ele, gönül gönülle katıl bize!

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Detaylı Bilgi: www.ogm.gov.tr adresinde
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2018 Yılında
2.184 OKUL VE ÜNİVERSİTE BAHÇESİNE 385.522

2019 Yılında
1.114 OKUL VE ÜNİVERSİTE BAHÇESİNE 240.734 Fidan Dikildi

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2018 Production of Non-Wood Forest Products

(TONNES)

- Daphne: 35,000
- Nut: 12,000
- Chesnut: 8,000
- Thyme: 2,000
- Wild Apple: 1,500
- Stone Pine: 1,000
- Carob: 1,000
- Rose Hip: 800
- Myrtle: 600
- Cranberry: 500
- Blackberry: 350
- Rosemary: 330
- Cistus: 300
- Sage: 300
- Linden: 300
Circular economy is a fairly new concept for Turkey. Until now, it has been not included in any legislation.

In 2018, the “Zero Waste Project” was initiated by the Ministry of Environment and Urbanization. This project is also supported by the Presidency. [https://sifiratik.gov.tr/](https://sifiratik.gov.tr/)

For NGOs and private sector «The Turkey Materials Marketplace» has been lunched by the Business Council for Sustainable Development Turkey (BCSD Turkey). [http://turkey.materialsmarketplace.org/](http://turkey.materialsmarketplace.org/)
The circular economy in forestry sector- Fuel Wood

- In Turkey forests are well protected and managed in a sustainable manner. However, there is much work to be done in terms of economics in general and “circular economy” in particular.
- In general 5.7 million m³ wood is burned directly.
- Unrecorded firewood collected
- It is possible to bring this into a circular economy with various technologies.
All forest of Turkey owned by the State. However, people living in the villages have special rights.

According to 2018 statistics there are 22,847 villages in or adjacent to the forest. And a total of 6.8 million people live. In other words, approximately 8% of the country's population lives in forest villages.

Turkey's per capita income for 2018 is 9,632 USD in general, but is only 2,492 USD for the people living in/around the forests.
In Turkey, there are around 7 thousands small-scale sawmills owned by local people living in rural areas.

These are the places where the logs produced from forests or obtained from non-forest areas (poplar, fruit trees, etc.) were first processed.

However, these sawmills have recently begun to shut-down. Lack of a certain standards, systematic support by the state, lack of unions, lack of employees, owners and operators in a certain training are important problems.

They constitute a large gap in terms of the circular economy. It will be very beneficial to address these enterprises with a special project, to standardize them to enhance the capacity and to establish a network with each other.
There are very big and powerful Turkish companies operate in Turkey and in the World in forestry sector.

One of them is Kastamonu Entegre,
- It is the 1st of its sector in Turkey, the 4th in Europe and the 7th in the World.
- It has 19 factories at 7 countries such as Romania, Bosnia Herzegovina, Italy, Bulgaria, Russia and the U.S.A.

The furniture sector in Turkey is also quite strong.

With the expectation of 25 billion dollars production and 10 billion dollars export for 2023, it aims to become the top 10 furniture exporters in the world and the top 5 furniture exporters in Europe.

Apr. 6.33 million tons of paper consumed, 3 million tons recycled (47%), 44 paper mills, 1 million ton pulp imports
Emerging wood-based value chains

Wood-based construction-UNDP Project
- Currently 3 projects about the widespread use of wood.
  - General Directorate of Forests
  - UNDP,
  - TORID-Turkey Forest Products Industrialists and Businessmen’s Association
  - Turkey’s National Timber Association
  - Bogazici University,
  - Middle East Technical University,
  - Istanbul University collaboration

Textiles industry
Bioplastics
Wood waste streams
• This presentation was prepared in collaboration with public, non-governmental organizations and academic circles.

• We consider that the document «Forests and the Circular Economy ECE/TIM/2019/3-FO:EFC/2019/3» prepared by the Secretariat is very well and has enough information to explain the vision and the details.

• We also think that «Geneva vision for the circular economy in the forest sector». We believe that, as a continuation of the Vancouver Invitation on Sustainable Forest Products for a Better Future, it will fill a very important gap and bring a new perspective to the forestry sector.

• We support the idea of the Forest Sector Roadmap to the Circular Economy 2030.
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