



REPUBLIC OF TURKEY
MINISTRY OF AGRICULTURE
AND FORESTRY

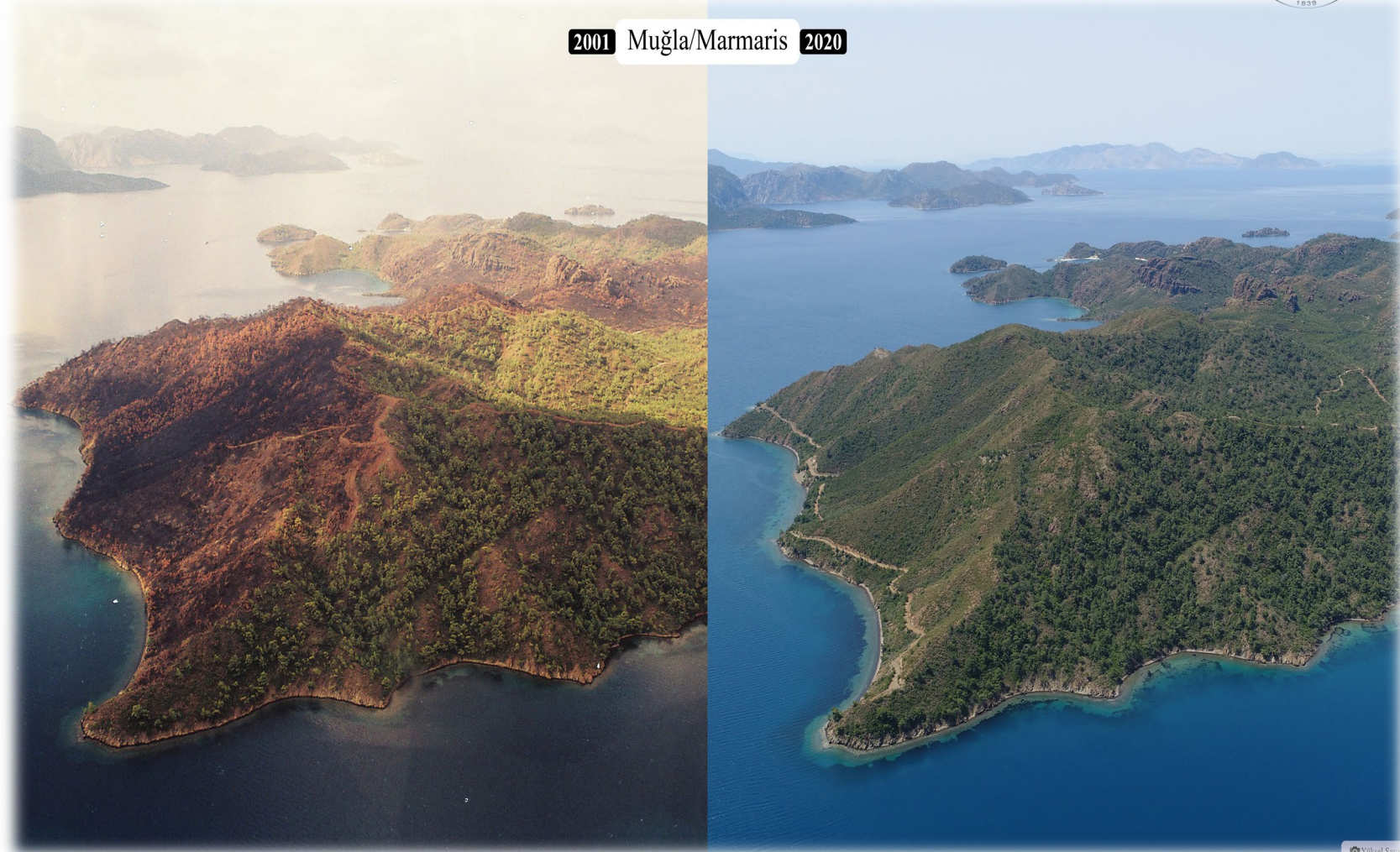
GENERAL
DIRECTORATE OF
FORESTRY



ADDED VALUE OF FORESTRY PRACTICES ON CIRCULAR ECONOMY

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ZERO WASTE PROJECT



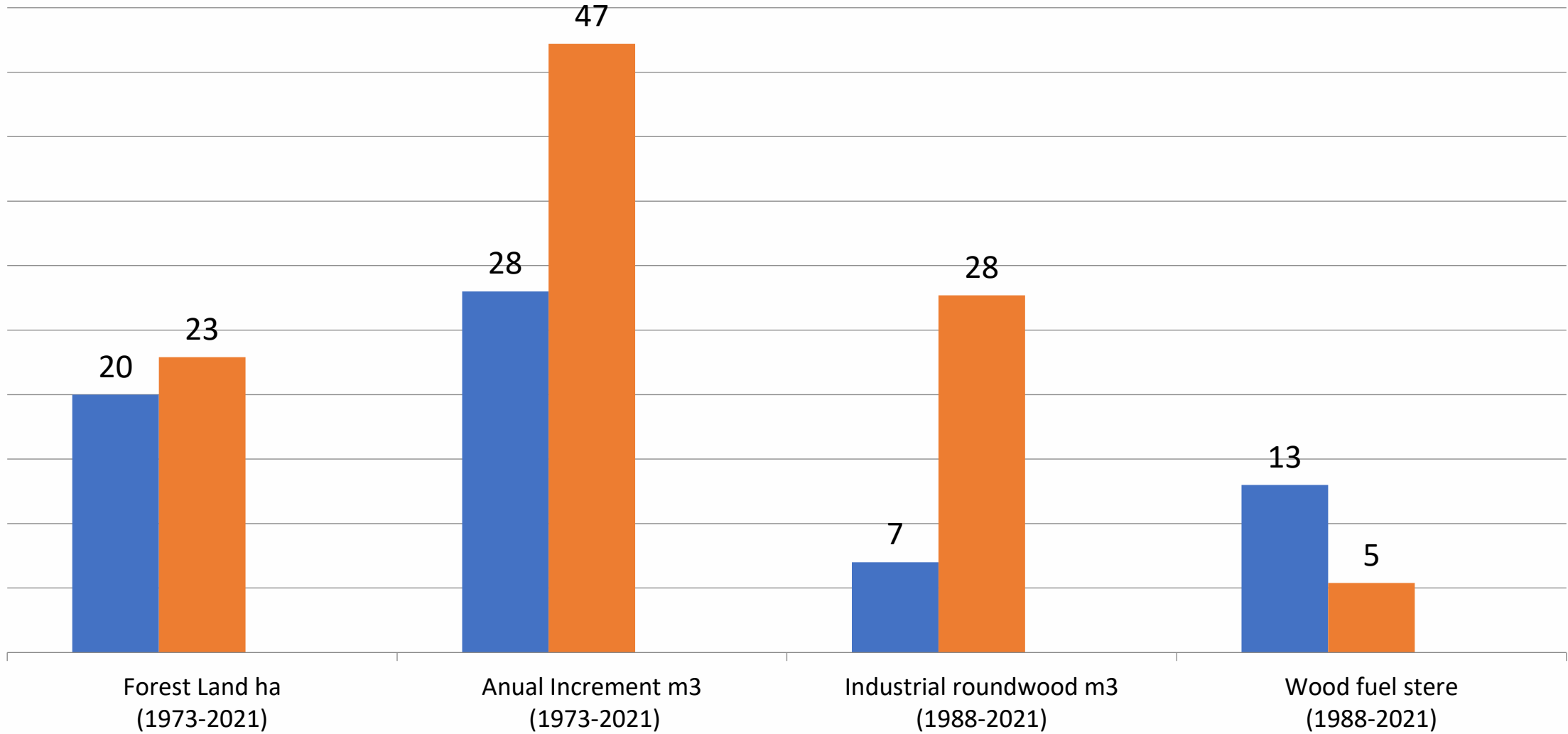
Turkey uses about 10 million tons of glass, plastic, aluminum and metal packaging every year according

- Initiated in 2017, aims to increase Turkey's **recycling rate to 35% by 2023**, while creating **employment** for some **100,000 people** in the recycling industry and **saving \$2.3 billion** yearly.
- Paper, plastic, glass, metal, organic & other waste were **recycled amounted to 24.2 million tons by 2022**
- Reduced the import of raw materials, used to produce plastic bags & helped Turkey save up to \$150 million & prevented the emission of 15000 tons of greenhouse gases as well as the disposal of 354,000 tons of plastic waste.
- Huge interest both in the public and private sectors, from public sector agencies to municipalities and industrialists, a lot of people and institutions back the project and are rapidly adopting it.
- Turkey set an application calendar with new regulations, issued zero waste certificates to those switching to this recycling model
- Provided training for 12.5 million people on zero waste practices so far while some 100,000 public institutions
- Some municipalities, have switched to zero waste policies – from cutting off the waste to properly sorting it at its source for recycling purposes.
- Received UNDP's Global Goals Action Award due to its important contributions to the goal "Responsible Production and Consumption", one of the SDGs.





Forests and forest value chain in the Turkey- facts





TURKEY'S GOALS

2023
GOALS

2023
GOALS

2023
GOALS

2053
GOALS

7 BILLION SAPLINGS

% 30 SURFACE AREA

130 million tons SOIL CARRIED BY
RIVERS

NET ZERO EMISSIONS



Sustainable Forest Management



Turkey Sustainable Forest Management National Criteria and Indicator Set", consisting of 6 criteria and 40 indicators, was determined based on the Forest Europe process criteria and indicators.

Turkey Report of Sustainable Forest Management Criteria and Indicators published. (2020)

At the implementation unit level, the development process of the SFM C&I set will be carried out in 2 district directorates of forestry within the scope of the GEF-7 project next year.



GENERAL
DIRECTORATE OF
FORESTRY
CRITERIA AND INDICATORS
OF SUSTAINABLE FOREST
MANAGEMENT
IMPLEMENTATION
GUIDE

December 2019

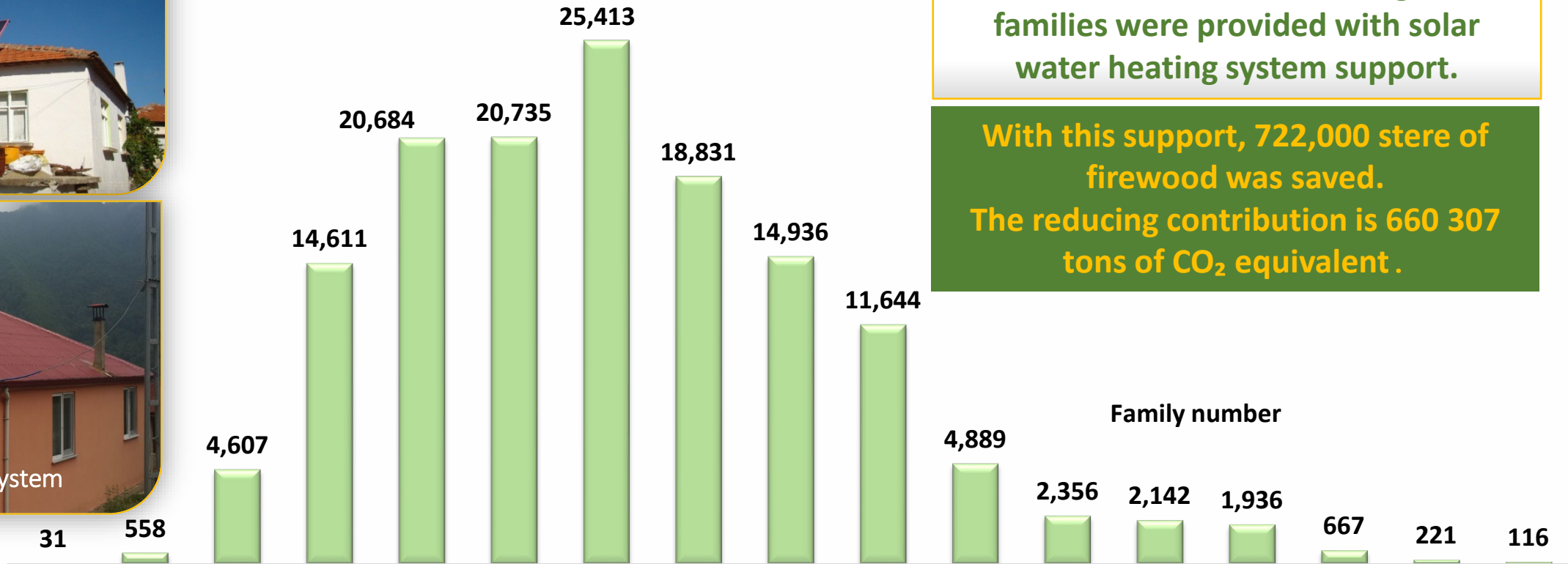
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Sustainable Energy Implementations



solar water heating system



In the years 2004-2020, a total of 145 thousand forest villager families were provided with solar water heating system support.

With this support, 722,000 stere of firewood was saved. The reducing contribution is 660 307 tons of CO₂ equivalent.

Sheathing support was provided to a total of 5,471 families in 2004-2020. 44,000 stere of wood was saved



Sustainable Energy Financing Mechanism for Solar Photovoltaic Systems in Forest Villages Project



- Operated in cooperation with the UNDP by the MoAF, GDF with the financial support of GEF.
- Disseminate the solar power electric generation facilities in the forest villages
- Contribute to reducing the effects of climate change as well as opening access doors to the forest villagers to green energy will help to improve the situation of extreme poverty and the desperate situation in which forest villagers
- Pilot projects implemented and the results shared on a national scale.
- By 2022, Roof type solar energy system with variable capacities installed in a total of 806 households in 82 forest villages in 35 provinces in 23 Regional Directorates of Forestry.



Forest Villagers Training



150.000 villagers trained and certified in contents of wood production, standardization, environmental health, first response and safety





Projects for the Dissemination of Wood Use



Projects;

- Dissemination the Use of Wood Strength
- Tests of Our Coniferous Tree Species
- Promoting Competitive, Energy Efficient Wooden Buildings in Turkey (\$3.8 million external grant-GEF project)
- Establishment of wood analysis

Project Stakeholders

- OGM (General Directorate of Forestry)
- UNDP (United Nations Development Programme)
- TORID (Turkish Forest Products Exporters Association)
- UAB (National Wood Association)
- Bogazici University
- TOKI
- Ministry of National Education





Expected Benefits from the Projects



- Preparation of Solid Wood Industry Status Report in the World and in Turkey, future planning for Turkey & Strategic Wood Products Guide,
- Standards and promotional activities for wooden products,
- Making legal arrangements about wooden structures,
- The strength tests of our tree species to be used as building materials are made and included in international standards (larch and fir species completed),
- Providing an external grant of 3.8 million dollars within the scope of GEF-7,
- Constructing at least 6 buildings using CLT technology in cooperation with the Ministry of National Education, TOKİ, Universities and OGM,
- Planned new target rate of wooden buildings by the end of 2030 is 532 thousand m² (0.4%), and by 2040 3 million m² (3%)





CONCLUSION



- I. The effective way to reduce carbon emissions is to take measures for **energy efficiency**.
- II. 17% of anthropogenic greenhouse gas emissions are causing the changes in land use, primarily **deforestation**. Stopping and reversing the loss and reduction of forests&biodiversity is a pivotal element of any positive climate energy scenario.
- III. According to WWF's "Energy Report", to meet almost all of the global energy demand from **renewable energy** sources in 2050 with current technologies. A single renewable source is **unlikely to meet all demand**.
- IV. It is significant for the effective mitigation strategies that involve **sustainable forest management & use of long-lived products** for C storage and substitution.
- V. Enable to produce and consume wood based products in a more **environmentally-responsible way**

Thank You for Your Attention

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Fotoğraf: Mustafa BAÇCI
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