



“SCALING CARBON MARKETS IN CAREC: LESSONS, OPPORTUNITIES, AND REGIONAL COOPERATION”

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**State Policy of Turkmenistan
on Climate change**

Environmental legislation

**Climate finance in
Turkmenistan**

**Potential of the green market
in Turkmenistan**

STATE POLICY OF TURKMENISTAN ON CLIMATE CHANGE

State Policy of Turkmenistan on Climate change



Turkmenistan joining the Global Methane Pledge (GMP)

- Intersectoral Commission on Reduction of Methane Emissions was established (02.06.2023);
- Turkmenistan joined Global Methane Pledge during COP028 in Dubai, UAE (01.12.2023);
- 2025-2026 Roadmap for strengthening Turkmenistan's international cooperation to implement the goals and objectives of the Global Methane Pledge (MFA).

Intersectoral Commission on Reduction of Methane Emissions

Activities under the Work Plan of the Intersectoral Commission on Reduction of Methane Emissions

- Establish Commission Secretariat;
- Review NDCs;
- Introduce Monitoring, Reporting and Verification system;
- First biannual report;
- Procure methane leak detection equipment;
- Design a program to raise awareness on climate change issues;
- Prepare project proposals on methane emissions reduction;
- Improve legislation;
- Study proposals of foreign companies on methane emissions reduction;

World Bank: Global Flaring and Methane Reduction Partnership (GFMR)

- Ministry of Environmental Protection of Turkmenistan – assistance in developing MRV system, improving legislation, capacity building of workers, exchange of experience;
- State Concern *Turkmengas* – reporting in accordance with OGMP 2.0 requirements, assessment of methane emissions at pilot facilities, leak detection and mitigation, capacity building of the Concern's employees, and exchange of experience.
- Ministry of Finance and Economy of Turkmenistan – project management, assistance in developing the methane leak repair and enhancement mechanism.

ENVIRONMENTAL LEGISLATION

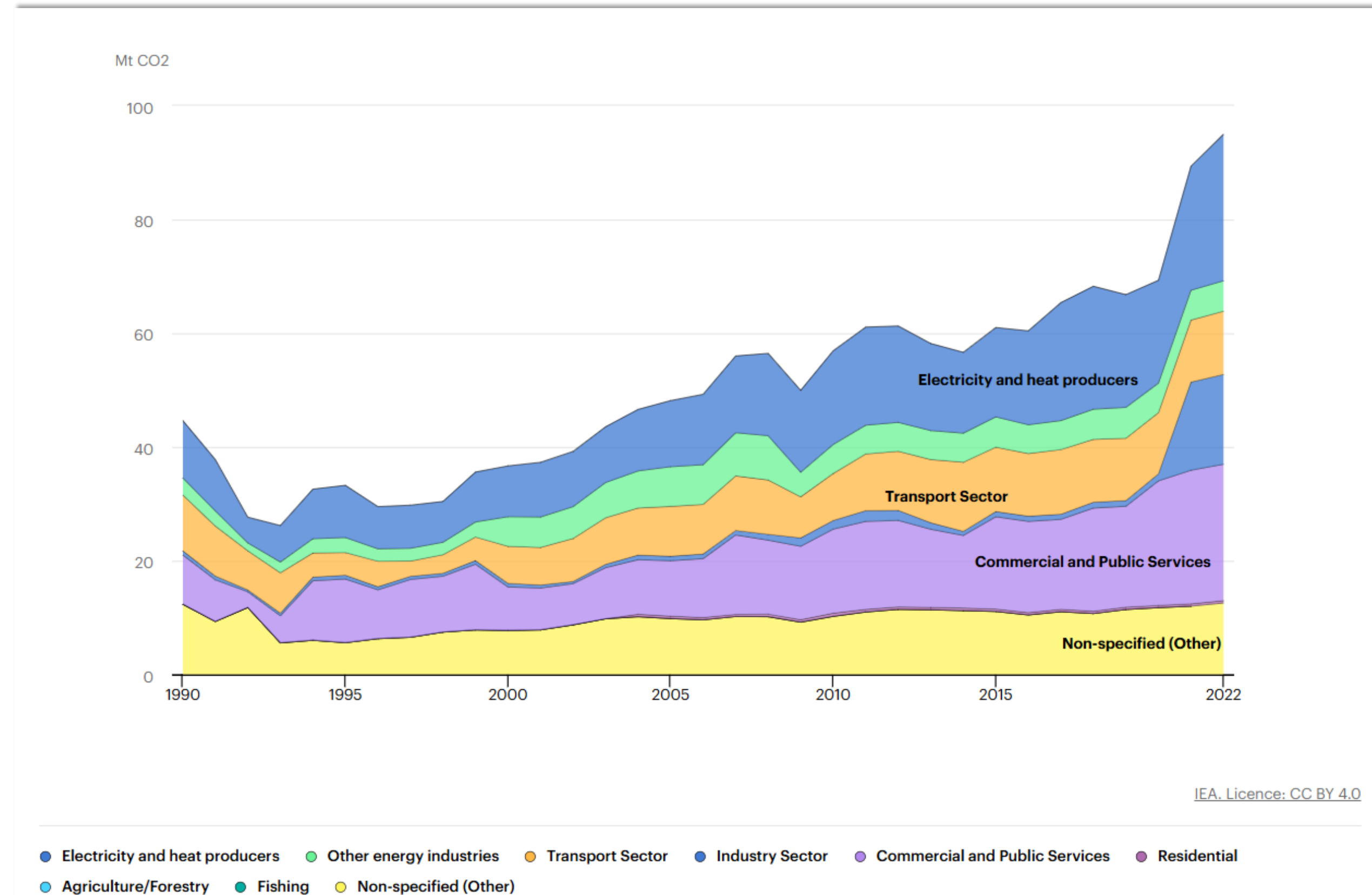


Environmental legislation of Turkmenistan

- Ministry of Environmental Protection of Turkmenistan is working with UNDP to improve the legislative framework by drafting new laws and regulations (a new draft law on GHG abatement and a new draft law on climate change).
- The Law on Energy Saving and Energy Efficiency. 30 March 2024, № 90-VII.
- Few new statutory instruments (Procedure for inventory of pollutant emissions into atmospheric air or Procedure for accounting of pollutant emissions into atmospheric air).

GHG emissions in Turkmenistan by sector in 1990-2022.

- Currently, the key sources of GHG emissions in Turkmenistan include **energy, commercial sector and services, and transport**
- These sectors have the ***highest*** potential for using RES



CLIMATE FINANCE IN TURKMENISTAN

Investment in mitigation in Turkmenistan according to OECD data: RIO markers

RioMarkers: Aid (ODA) activities targeting global environmental objectives																
Donor: DAC Members																
Recipient: Turkmenistan																
Allocable: Bilateral allocable																
Flow type: Commitments																
Price base: Current prices																
Combined unit of measure: US dollar, Millions																
Time period	2020				2021				2022				2023			
Score	Principal	Significant	Screened, not targeted	Not screened	Principal	Significant	Screened, not targeted	Not screened	Principal	Significant	Screened, not targeted	Not screened	Principal	Significant	Screened, not targeted	Not screened
Sector: Energy																
Biodiversity												0,017			0,007	0,062
Climate change mitigation										0,016	0,001		0,057		0,012	
Climate change adaptation											0,017				0,068	
Desertification												0,017			0,007	0,062
Environment									0,016			0,001	0,015	0,017	0,007	0,029
Sector: Energy policy																
Biodiversity												0,017			0,007	0,062
Climate change mitigation										0,016	0,001		0,057		0,012	
Climate change adaptation											0,017				0,068	
Desertification												0,017			0,007	0,062
Environment									0,016			0,001	0,015	0,017	0,007	0,029
Sector: Banking and financial services																
Biodiversity				0,012				0,021				0,010				0,006
Climate change mitigation				0,012			0,009	0,012			0,010				0,006	
Climate change adaptation			0,004	0,009			0,009	0,012			0,010				0,006	
Desertification				0,012			0,005	0,017			0,000	0,010				0,006
Environment				0,012			0,005	0,017			0,000	0,010				0,006
Sector: Business and other services																
Biodiversity			0,580	0,009			0,300	0,023			0,120	0,002			0,320	0,033
Climate change mitigation			0,580	0,009			0,311	0,012			0,122				0,353	
Climate change adaptation			0,580	0,009			0,311	0,012			0,122				0,353	
Desertification				0,589				0,323				0,122				0,353
Environment			0,580	0,009			0,300	0,023			0,120	0,002		0,320		0,033

National Strategy of Turkmenistan on Climate Change

The National Climate Change Strategy of Turkmenistan was first adopted in 2012. In September 2019, a revised version was officially approved by Presidential Decree. The updated NCCST includes:

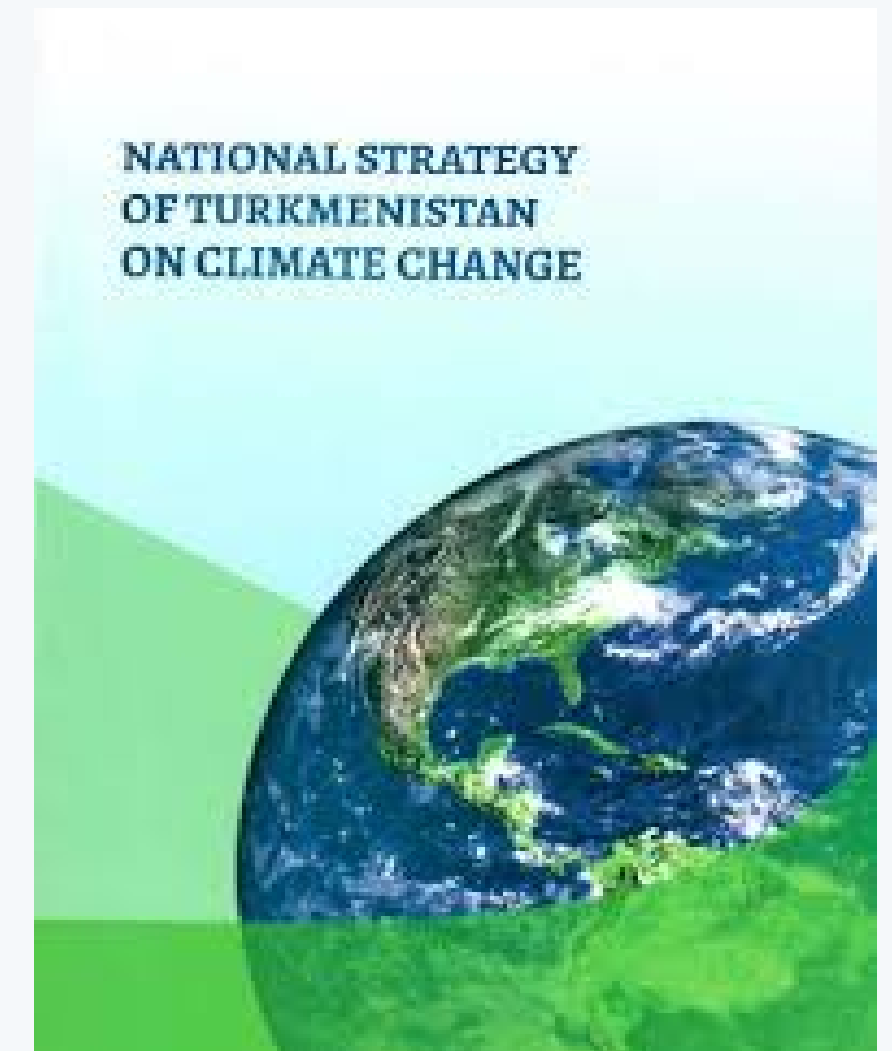
- Expanded adaptation measures for the **agriculture and water sectors, soil and land resources, ecosystems, and forests.**
- Mitigation actions in key sectors: oil and gas, industry, and transportation.

The NCCST is a key component of Turkmenistan's climate policy and is aligned with its international commitments under the UNFCCC.

One of the most important directions of climate change adaptation in Turkmenistan is the implementation of measures to increase the resilience of **agriculture** to climate impacts.

As part of the National Forestry Program, in 2021 alone, **30 million seedlings of deciduous, coniferous, and fruit trees were planted across the country.**

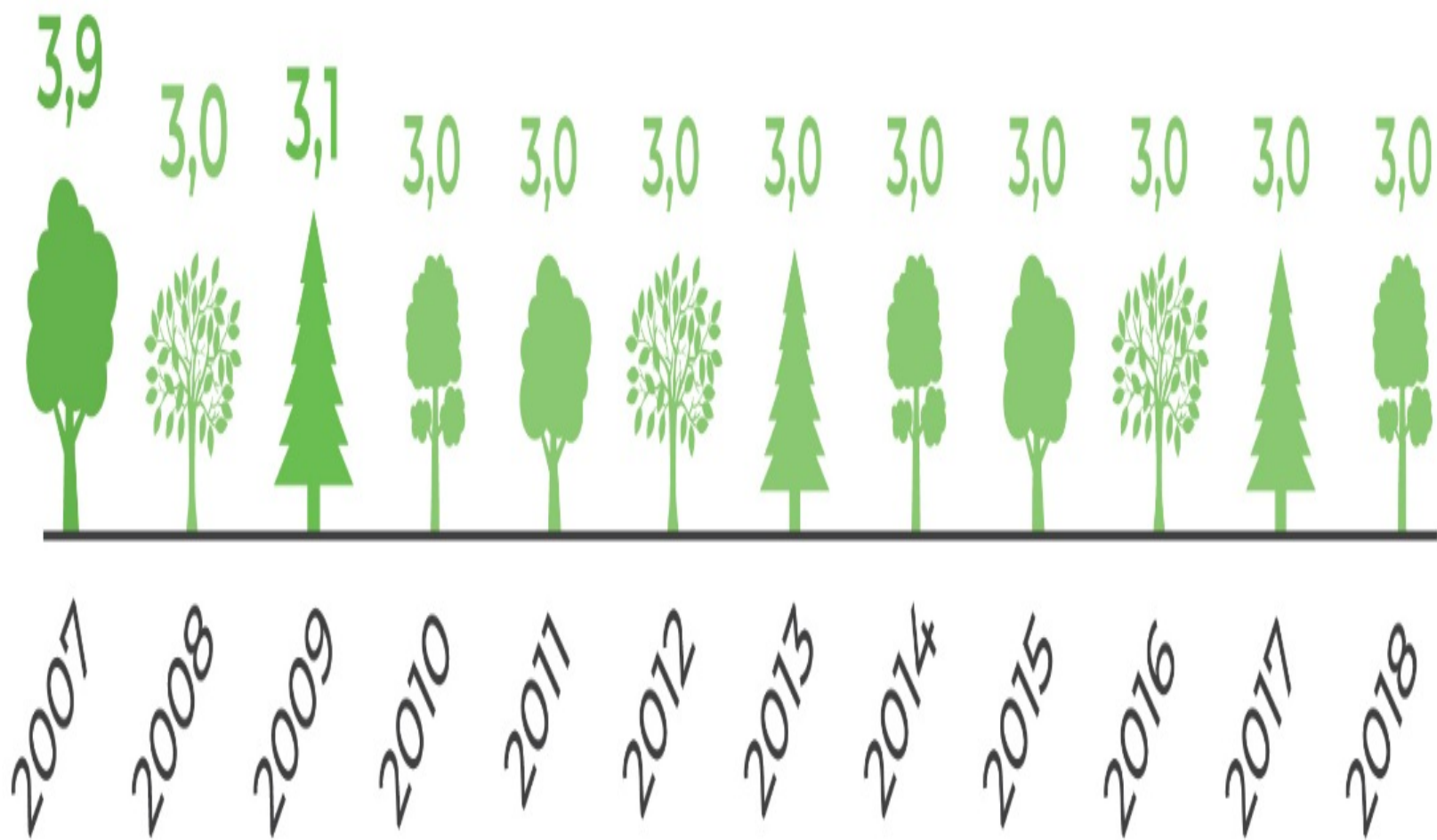
In addition, more than **3 million trees** are planted annually as part of ongoing afforestation efforts.





NUMBER OF TREES PLANTED, MLN.

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Turkmenistan's Concept on climate finance



Concept of climate finance development in Turkmenistan



2024

Annex

Annex 1. List of key international climate funds, donors and programs available for Turkmenistan

- Access to Energy [Fund](#);
- Adaptation [Fund](#);
- ADB Ventures Investment Fund 1 (VIF1):
- Asia Pacific Climate Finance Fund (ACliff):
- Asia Pacific Disaster Response Fund (APDRF):

Млн долл. США

Сектор	2017				2018				2019				2020				2021				2022			
	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен	Ключевой вклад	Существенный вклад	Не нацелен на экологические цели	Скрининг не проведен
Сохранение биоразнообразия			13,30	0,10		0,00	5,62	0,45			6,01	0,54			5,49	0,33			9,66	0,28	0,07	0,00	11,32	0,38
Митигация		0,01	13,34	0,05		0,02	5,79	0,27			6,15	0,40			5,49	0,33		0,00	9,76	0,18		6,68	5,01	0,09
Адаптация		0,00	13,34	0,05		0,02	5,80	0,27		0,04	6,11	0,40			5,57	0,25		2,75	7,02	0,18	0,01	0,47	11,22	0,09
Борьба с изменением климата			9,58	3,82			1,48	4,60			3,01	3,54			2,19	3,62			4,97	4,97		0,13	7,53	4,12
Охрана окружающей среды	0,09	1,59	11,63	0,09	0,02	0,36	5,26	0,45	0,15	1,60	4,26	0,54	0,24	0,18	5,07	0,33	0,16	0,26	9,31	0,22	0,09	6,76	4,71	0,21
Итого	0,09	1,61	61,19	4,11	0,02	0,41	23,95	6,03	0,15	1,63	25,53	5,43	0,24	0,18	23,82	4,85	0,16	3,01	40,72	5,83	0,17	14,04	39,80	4,89

POTENTIAL OF THE GREEN MARKET IN TURKMENISTAN

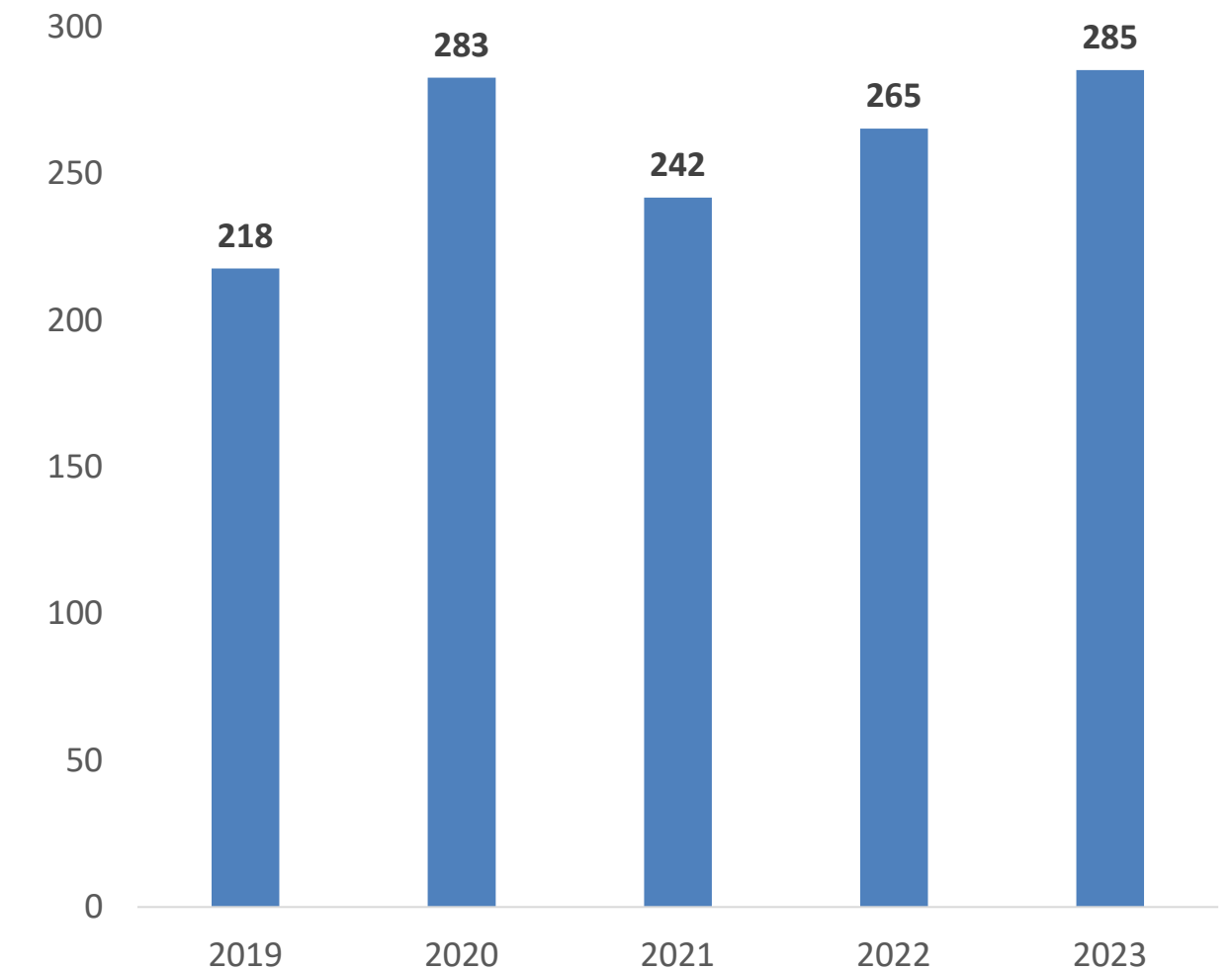
Potential of the green market in Turkmenistan

Volume of imported green equipment, technology and products, \$ US mln

List of products imported by Turkmenistan

Unit : US Dollar thousand

Code	Product label	2019	2020	2021	2022	2023
	Total	217 612	282 639	241 771	265 317	285 313
853710	Boards, cabinets and similar combinations of apparatus for electric control or the distribution ...	20 382	19 089	22 262	37 360	34 537
841199	Parts of gas turbines, n.e.s.	4 288	18 758	41 462	2 019	17 729
901580	Instruments and appliances used in geodesy, topography, hydrography, oceanography, hydrology, ...	1 532	1 285	4 497	33 661	15 422
842121	Machinery and apparatus for filtering or purifying water	6 323	5 182	3 928	6 891	14 227
903190	Parts and accessories for instruments, appliances and machines for measuring and checking, ...	213	345	1 157	1 039	13 871
847989	Machines and mechanical appliances, n.e.s.	8 642	8 596	8 612	9 640	11 640
903180	Instruments, appliances and machines for measuring or checking, not elsewhere specified in ...	2 478	1 899	3 697	5 667	11 267
850710	Lead-acid accumulators of a kind used for starting piston engine "starter batteries" (excl. ...	11 310	9 862	8 728	10 050	10 621
392010	Plates, sheets, film, foil and strip, of non-cellular polymers of ethylene, not reinforced, ...	11 661	8 630	9 043	11 001	9 954
841182	Gas turbines of a power > 5.000 kW (excl. turbojets and turbopropellers)	4 518	84 618	7 479	18 319	9 381
841989	Machinery, plant or laboratory equipment, whether or not electrically heated, for the treatment ...	4 012	10 656	11 361	2 104	9 338
847990	Parts of machines and mechanical appliances, n.e.s.	45 285	2 129	2 847	2 991	9 235
842199	Parts of machinery and apparatus for filtering or purifying liquids or gases, n.e.s.	10 438	8 753	4 962	8 157	8 562
841869	Refrigerating or freezing equipment (excl. refrigerating and freezing furniture)	5 907	5 539	16 615	17 213	8 537
841950	Heat-exchange units (excl. those used with boilers)	2 370	3 889	1 554	5 726	8 533
903289	Regulating or controlling instruments and apparatus (excl. hydraulic or pneumatic, manostats, ...	2 070	3 561	3 351	2 400	5 757
848340	Gears and gearing for machinery (excl. toothed wheels, chain sprockets and other transmission ...	2 110	3 595	1 992	3 413	5 631
842129	Machinery and apparatus for filtering or purifying liquids (excl. such machinery and apparatus ...	8 791	3 433	3 245	6 471	5 480



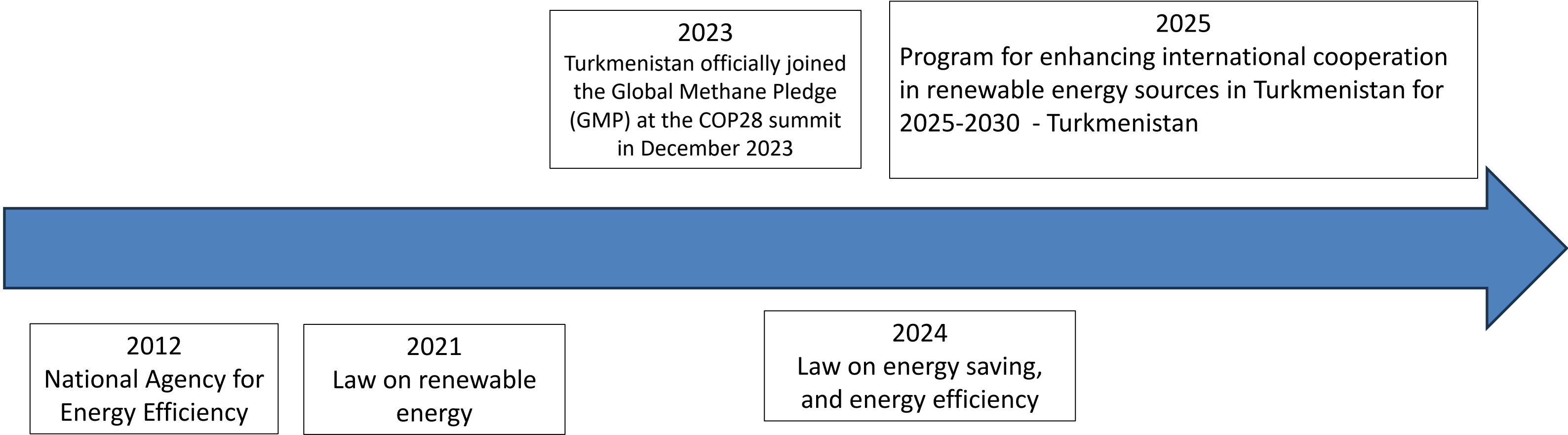
<https://trademap.org>

- Turkmenistan is a **large importer of climate-resilient technology**.
- In 2013-2023, **the annual imports** of technology amounted to **\$ US 218-285 mln**, and **in 5 years** reached **\$ US 1,3 bln**, including technology for adaptation – **around \$ US 0,5 bln**.

Turkmenistan energy policy

Program

Legal framework



THANK YOU!