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Matters relating to finance

**Report of the Green Climate Fund to the Conference of the Parties
and guidance to the Green Climate Fund**

**Report of the Global Environment Facility to the Conference of the
Parties and guidance to the Global Environment Facility**

Operation of the registry of nationally appropriate mitigation actions

Report by the secretariat

Summary

This report provides an overview of the operation of the registry of nationally appropriate mitigation actions in the reporting period 1 October 2022 to 30 September 2023 and the cumulative status of nationally appropriate mitigation action entries in the registry as at 30 September 2023. It provides an update of the information contained in the 2022 report on the registry.



Abbreviations and acronyms

CO ₂ eq	carbon dioxide equivalent
COP	Conference of the Parties
GHG	greenhouse gas
LDC	least developed country
NAMA	nationally appropriate mitigation action
non-Annex I Party	Party not included in Annex I to the Convention
SIDS	small island developing State(s)

I. Introduction

A. Mandate

1. COP 16 decided to establish a registry to record NAMAs seeking international support and to facilitate the matching of financial, technology and capacity-building support with those actions.¹

2. COP 17 requested the secretariat to provide information on the operation of the NAMA registry to the COP annually in order to inform discussions on the Financial Mechanism. It noted that the information in the registry may be used in considering the provision of support for the preparation and implementation of individual NAMAs.²

B. Scope of the report

3. This eleventh annual report prepared for consideration by the COP provides information on the operation of the NAMA registry in the reporting period 1 October 2022 to 30 September 2023 and the cumulative status of NAMA entries in the registry as at 30 September 2023. It provides an update of the information contained in the 2022 report on the registry.³

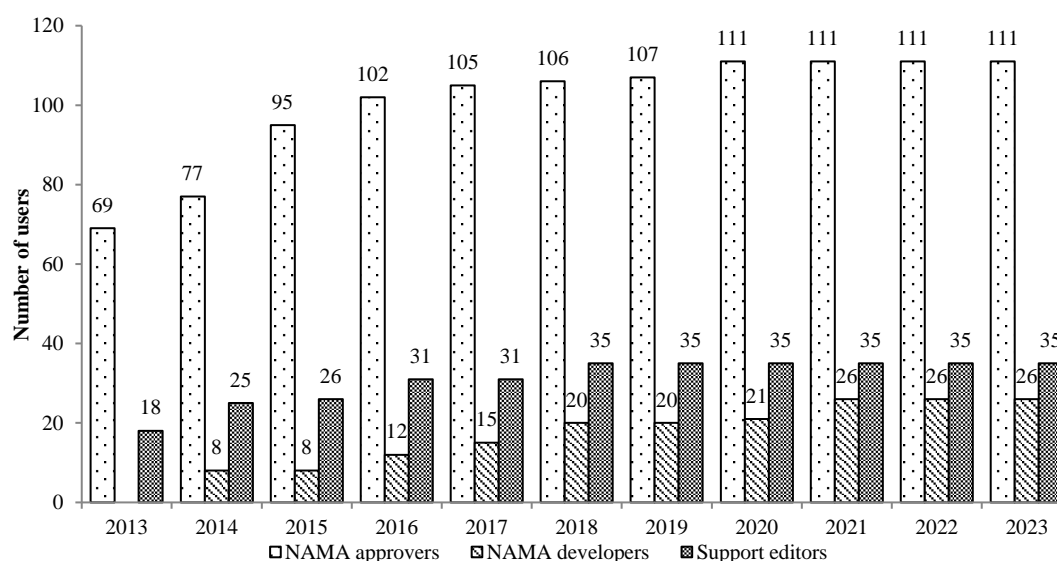
II. Operation of the registry of nationally appropriate mitigation actions in the reporting period

A. Use

4. The number of individual users of the NAMA registry has remained at 172 since the previous reporting period.⁴ Figure 1 provides a comparison of the number of registry users from 2013 to 2023.

Figure 1

Number of users of the registry of nationally appropriate mitigation actions from 2013 to 2023



¹ Decision 1/CP.16, para. 53.

² Decision 2/CP.17, paras. 52(b) and 53.

³ FCCC/CP/2022/INF.1.

⁴ 1 October 2021 to 30 September 2022.

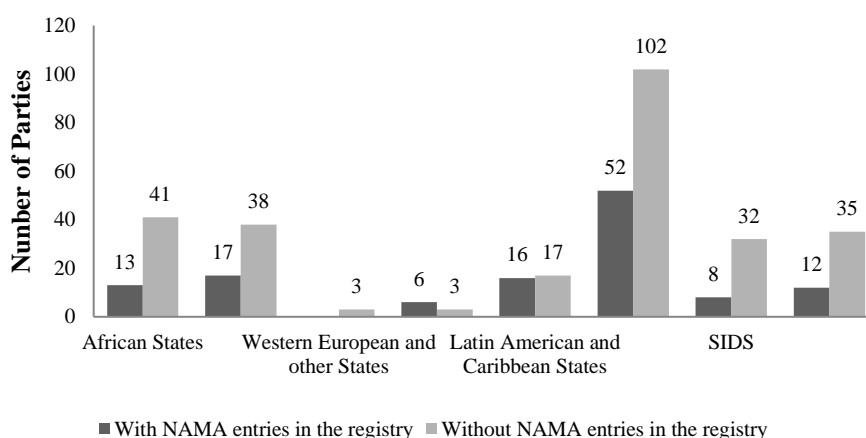
5. As at 30 September 2023, 111 non-Annex I Parties (72 per cent of all non-Annex I Parties) had requested and been provided with access to the registry. By regional group, 78 per cent each of African States and Eastern European States, 76 per cent of Latin American and Caribbean States and 67 per cent of Asia-Pacific States had access rights. The percentage of SIDS and the LDCs with access rights was 63 and 70 per cent respectively.

6. Of the 111 non-Annex I Parties that have access to the registry, only 52 (47 per cent) had recorded a NAMA entry in the registry as at 30 September 2023. Similarly, only 18 (51 per cent) of the 35 support editors with access to the registry had recorded information on support in the registry.

7. Figure 2 shows the number of non-Annex I Parties by regional and other grouping that had or had not recorded entries in the registry as at 30 September 2023.

Figure 2

Number of non-Annex I Parties by regional and other grouping with and without entries in the registry of nationally appropriate mitigation actions as at 30 September 2023



B. Entries recorded

8. The one NAMA entry recorded in the registry during the reporting period is a NAMA from Costa Rica for recognition targeting the agriculture sector. It specifies carbon dioxide capture and storage (50 per cent) and energy efficiency (50 per cent) as the technologies to be adopted and falls under the categories of national or sectoral policy or programme (25 per cent), national or sectoral goal (25 per cent), strategy (25 per cent) and project investment in machinery (25 per cent). Its total estimated cost is USD 9.35 million.

C. Cumulative status of nationally appropriate mitigation action entries

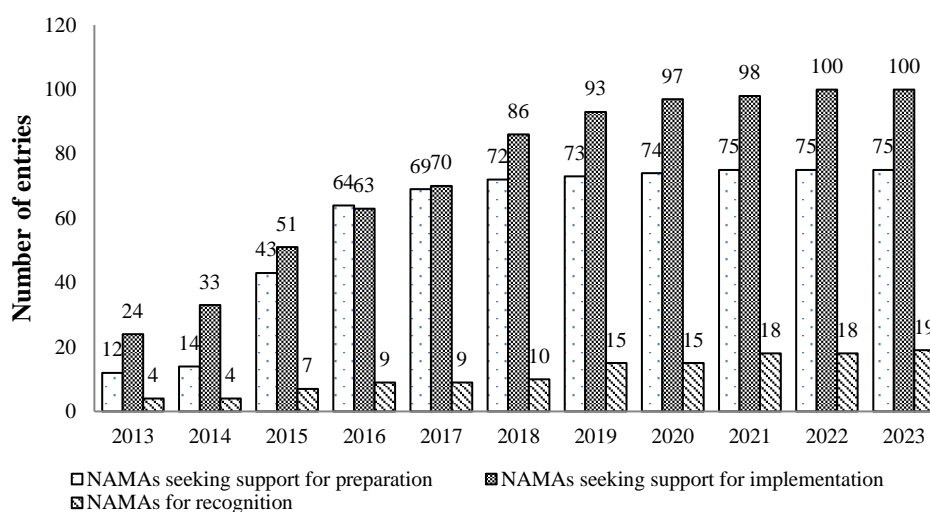
1. Entries by type and regional group

9. As at 30 September 2023, the registry contained 194 NAMA entries seeking support for preparation or implementation or for recognition.

10. Figure 3 shows the number of entries in the registry by type from 2013 to 2023.⁵

⁵ The number of NAMAs seeking support for implementation was documented as 88 for 2018 (FCCC/CP/2018/INF.1) and 95 for 2019 (FCCC/CP/2019/INF.2) in the previous reports on the registry. In 2018 a Party deleted two NAMAs seeking support for implementation; hence, the stated number of NAMAs seeking support for implementation has been adjusted accordingly throughout this report.

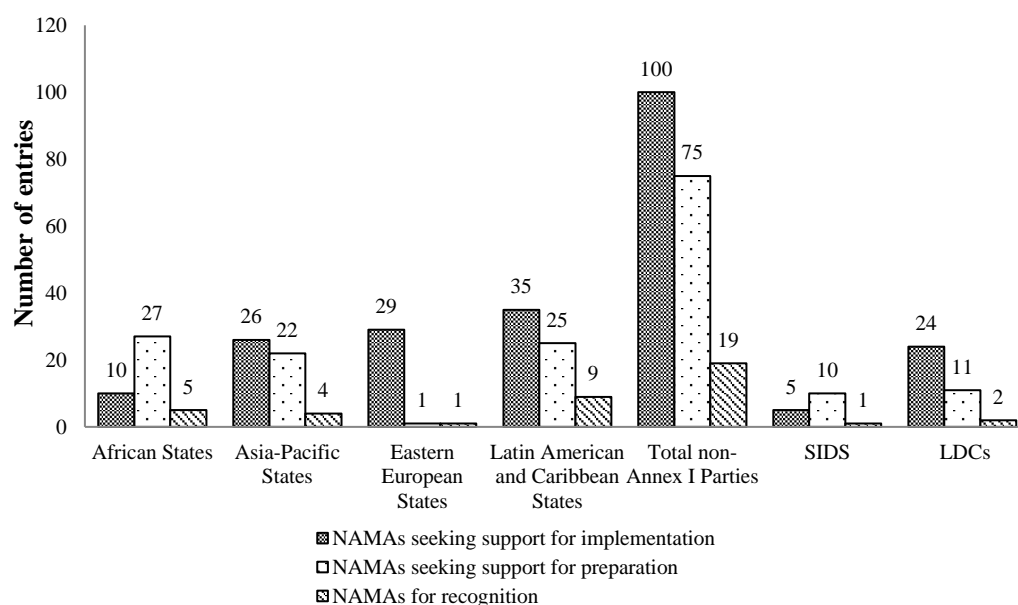
Figure 3
Number of nationally appropriate mitigation action entries in the registry by type from 2013 to 2023



11. NAMAs seeking support for implementation comprised the largest share of the entries (52 per cent), followed by those seeking support for preparation (39 per cent) and those for recognition (9 per cent).

12. The geographical distribution of the NAMA entries is wide: all regions have recorded NAMA entries in the registry. As at 30 September 2023, Latin American and Caribbean States had recorded the most NAMA entries (35 per cent), followed by Asia-Pacific States (27 per cent), African States (22 per cent) and Eastern European States (16 per cent). The substantial number of NAMA entries recorded by African States, Asia-Pacific States, the LDCs (19 per cent) and SIDS (8 per cent) is particularly noteworthy. Figure 4 shows the distribution of NAMA entries by regional group and the number of NAMA entries from SIDS and the LDCs.

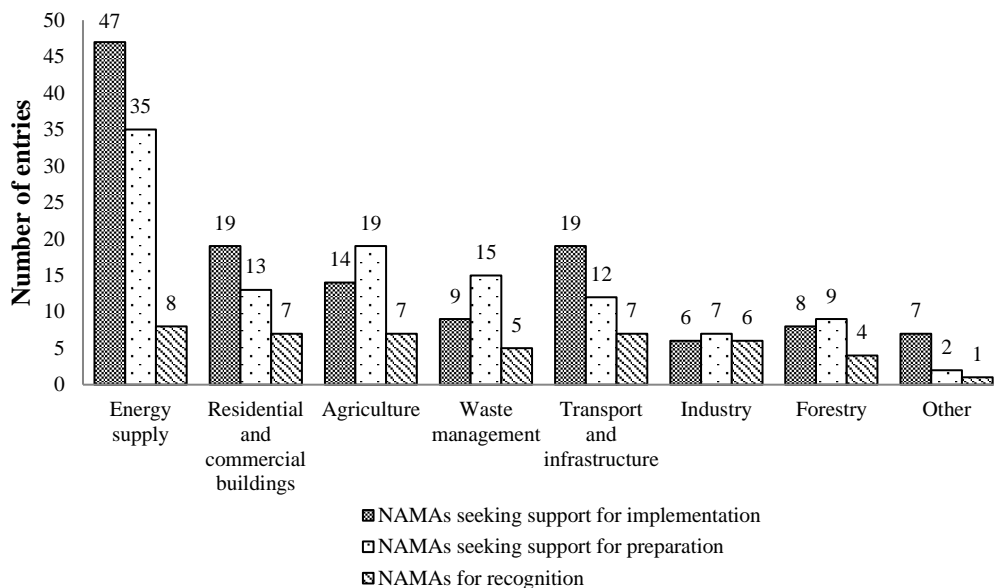
Figure 4
Number of nationally appropriate mitigation action entries in the registry by regional and other grouping as at 30 September 2023



2. Entries by sector, technology and type of action⁶

13. The NAMA entries as at 30 September 2023 covered the following target sectors: energy supply (32 per cent), residential and commercial buildings (14 per cent), transport and infrastructure (13 per cent), agriculture (14 per cent), waste management (10 per cent), forestry (7 per cent), industry (7 per cent) and other (3 per cent). The number of entries covering the residential and commercial buildings, transport and infrastructure, agriculture, waste management and forestry sectors is particularly noteworthy as it reflects diverse sectoral coverage. Figure 5 shows the number of NAMA entries recorded by sector.

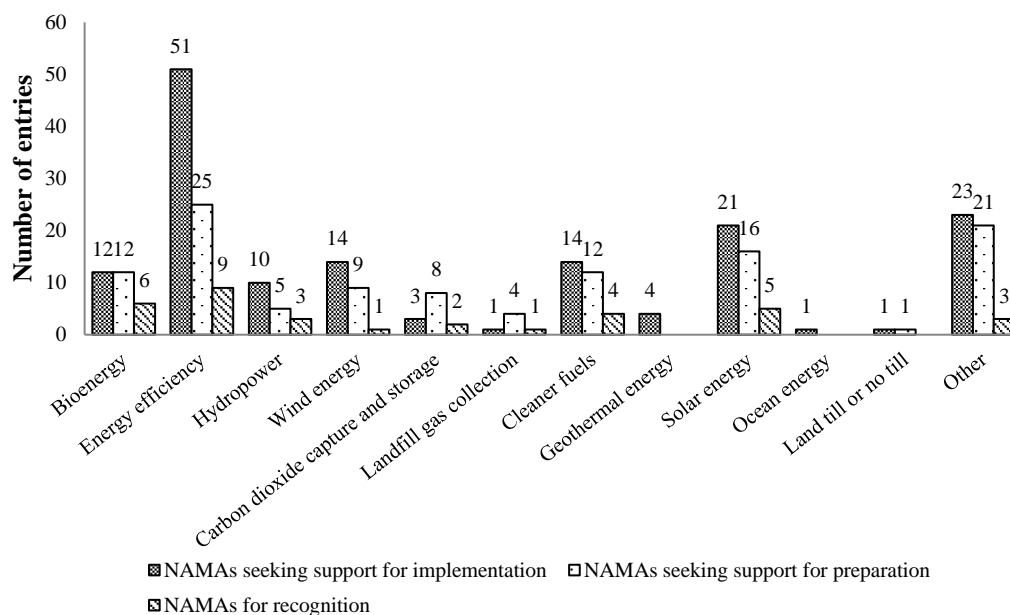
Figure 5
Number of nationally appropriate mitigation action entries in the registry by sector as at 30 September 2023



14. Of all recorded NAMA entries as at 30 September 2023, 95 per cent identified an applicable technology: energy efficiency (28 per cent), other (15 per cent), solar energy (14 per cent), bioenergy (10 per cent), cleaner fuels (10 per cent), wind energy (8 per cent), hydropower (6 per cent), carbon dioxide capture and storage (4 per cent), landfill gas collection (2 per cent), geothermal energy (1 per cent), ocean energy (1 per cent) and land till or no till (1 per cent). Figure 6 shows the distribution of NAMA entries by identified technology.

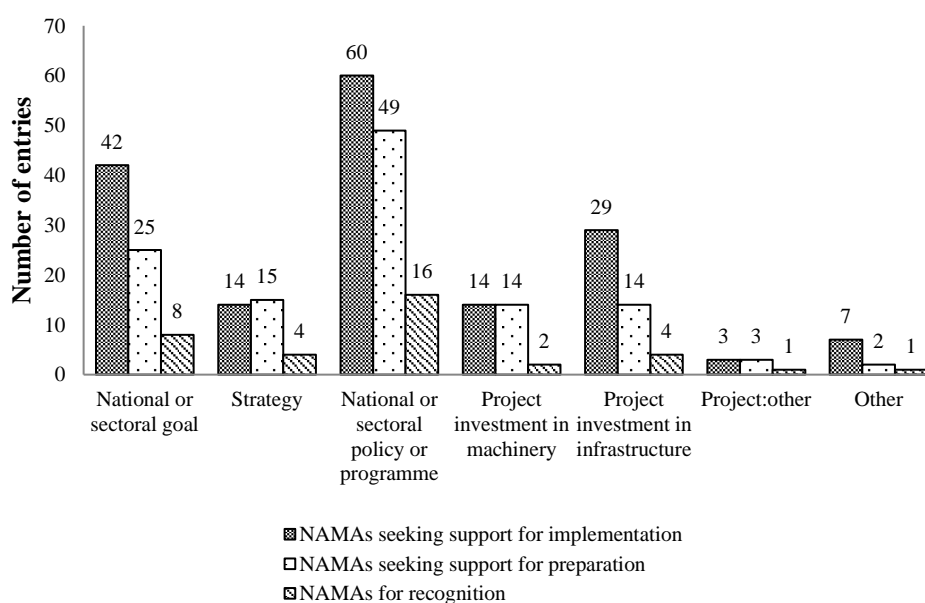
⁶ More than one sector, technology and type of action can be selected for each NAMA entry.

Figure 6
Number of nationally appropriate mitigation action entries in the registry by technology as at 30 September 2023



15. The NAMA entries cover a wide range of actions. As at 30 September 2023, the majority (38 per cent) related to implementing national or sectoral policies or programmes for climate change mitigation, followed by those related to national or sectoral goals (23 per cent), project investment in infrastructure (15 per cent), strategy (9 per cent), project investment in machinery (9 per cent), project: other (3 per cent) and other (3 per cent). Figure 7 shows the types of action specified in the NAMA entries.

Figure 7
Number of nationally appropriate mitigation action entries in the registry by type of action as at 30 September 2023



3. Greenhouse gas coverage and emission reductions

16. Of the NAMA entries recorded in the registry as at 30 September 2023, 88 per cent specified the GHGs covered: carbon dioxide (57 per cent), methane (22 per cent), nitrous

oxide (14 per cent), hydrofluorocarbons (3 per cent), perfluorocarbons (1 per cent) and other (3 per cent).

17. It was not possible to estimate the total emission reductions reflected in the registry (i.e. the sum of the data for all entries) owing to the use of different standards, indicators and time frames in this regard for each entry. However, the following could be deduced as at 30 September 2023:

(a) For NAMAs seeking support for implementation, the associated total GHG emission reductions ranged from 0.0006 to 66.6 Mt CO₂ eq, and annual GHG emission reductions ranged from 0.0002 to 8.5 Mt CO₂ eq;

(b) In the case of NAMAs for recognition, their associated total GHG emission reductions ranged from 1.9 to 113.3 Mt CO₂ eq, and annual GHG emission reductions ranged from 0.001 to 622.0 Mt CO₂ eq.

4. Cost of nationally appropriate mitigation actions

18. As at 30 September 2023, the cumulative total estimated cost of all NAMA entries in the registry was USD 74.9 billion, almost all for implementation. Table 1 shows the total cost of recorded NAMAs by type and regional group. A total of 179 entries (93 per cent) specified the cost involved. The range of cost per NAMA was USD 60,000 to USD 25 million for preparation, USD 70,000 to USD 14 billion for implementation and USD 36,500 to USD 10 billion for recognition.

Table 1

Total estimated cost of nationally appropriate mitigation actions by type and regional group as at 30 September 2023

<i>NAMA type and regional group</i>	<i>Estimated cost (USD)</i>
NAMAs seeking support for preparation	
African States	16 628 000
Asia-Pacific States	145 183 355
Eastern European States	100 000
Latin American and Caribbean States	13 886 072
Subtotal	175 797 427
NAMAs seeking support for implementation	
African States	9 220 590 912
Asia-Pacific States	30 130 793 290
Eastern European States	6 533 727 898
Latin American and Caribbean States	18 388 121 101
Subtotal	64 273 233 201
NAMAs for recognition	
African States	10 370 744 331
Asia-Pacific States	10 442 571
Eastern European States	1 293 661
Latin American and Caribbean States	34 184 019
Subtotal	10 416 066 582
Total	74 865 695 210

5. Support required⁷

19. Of the NAMA entries seeking support, as at 30 September 2023, 51 per cent were seeking financial, 15 per cent technology and 34 per cent capacity-building support.

20. A cumulative total of USD 34.7 billion in international support was being sought for all NAMA entries as at 30 September 2023. Financial support continued to make up the

⁷ More than one type of support can be selected for each NAMA entry.

greatest share of international support sought (USD 31.4 billion), followed by technology (USD 3.1 billion) and capacity-building (USD 0.2 billion). Table 2 shows the support sought by NAMA type and regional group.

Table 2
Support sought for nationally appropriate mitigation actions by type and regional group as at 30 September 2023

(United States dollars)

<i>NAMA type and regional group</i>	<i>Financial</i>	<i>Technology</i>	<i>Capacity-building</i>
NAMAs seeking support for preparation			
African States	13 798 000	1 580 000	1 880 000
Asia-Pacific States	103 606 712	43 601 644	900 000
Eastern European States	100 000	No entries	No entries
Latin American and Caribbean States	23 480 834	1 150 000	850 000
Subtotal	140 985 546	46 331 644	3 630 000
NAMAs seeking support for implementation			
African States	2 935 323 379	200 000	56 313 905
Asia-Pacific States	16 504 086 336	260 404 000	46 313 702
Eastern European States	5 371 319 315	2 545 692 300	7 681 835
Latin American and Caribbean States	6 450 656 805	229 082 989	77 320 468
Subtotal	31 261 385 835	3 035 379 289	187 629 910
Total	31 402 371 381	3 081 710 933	191 259 910

(a) **Financial support**

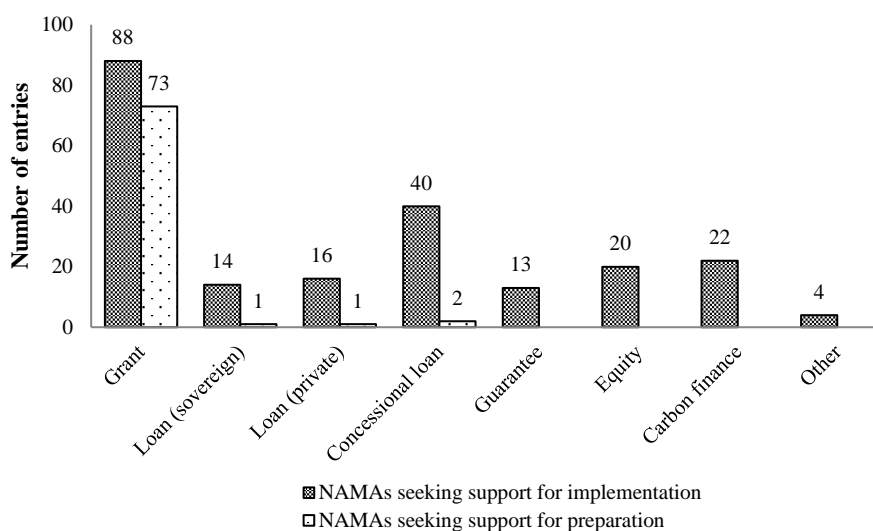
21. Table 3 shows the range of financial support sought for the preparation and implementation of NAMAs as at 30 September 2023.

Table 3
Financial support sought for nationally appropriate mitigation actions as at 30 September 2023

<i>NAMA type</i>	<i>Number of NAMAs</i>	<i>Support sought (USD)</i>		<i>Total sought (USD)</i>
		<i>Minimum</i>	<i>Maximum</i>	
NAMAs seeking support for preparation	67	40 000	25 453 215	140 985 546
NAMAs seeking support for implementation	95	70 000	14 000 000 000	31 261 385 835

22. Figure 8 shows the type of financial support sought for NAMA preparation and implementation as at 30 September 2023.

Figure 8
Number of nationally appropriate mitigation action entries in the registry by type of financial support sought as at 30 September 2023



(b) Technology support

23. Table 4 shows the range of technology support sought for the preparation and implementation of NAMAs as at 30 September 2023.

Table 4
Technology support sought for nationally appropriate mitigation actions as at 30 September 2023

NAMA type	Number of NAMAs	Support sought (USD)		Total sought (USD)
		Minimum	Maximum	
NAMAs seeking support for preparation	19	20 000	11 717 982	46 331.644
NAMAs seeking support for implementation	28	125 290	1 234 152 652	3 035 379 289

(c) Capacity-building support

24. Table 5 shows the range of capacity-building support sought for the preparation and implementation of NAMAs as at 30 September 2023.

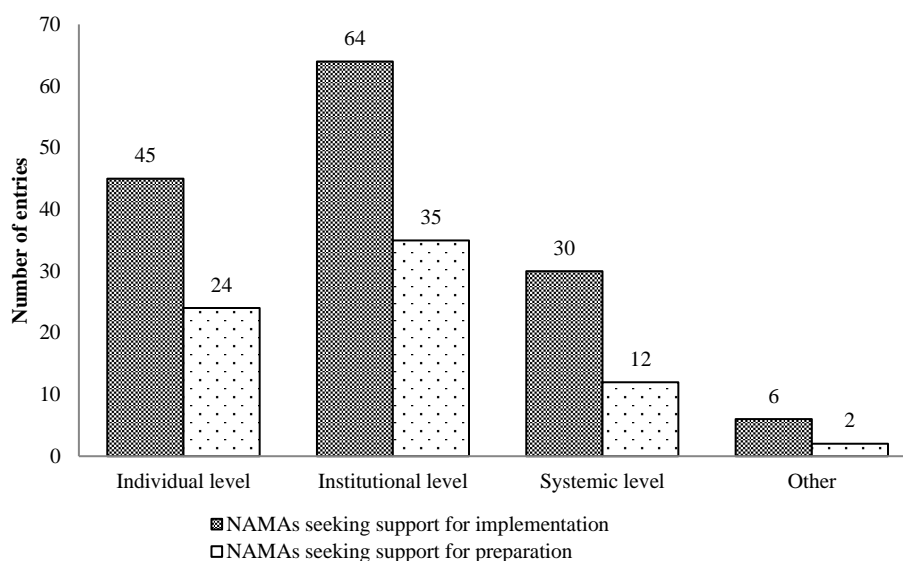
Table 5
Capacity-building support sought for nationally appropriate mitigation actions as at 30 September 2023

NAMA type	Number of NAMAs	Support sought (USD)		Total (USD)
		Minimum	Maximum	
NAMAs seeking support for preparation	21	50 000	700 000	3 630 000
NAMAs seeking support for implementation	47	25 873	50 000 000	187 629 910

25. Figure 9 shows the type of capacity-building support sought for the preparation and implementation of NAMAs as at 30 September 2023.

Figure 9

Number of nationally appropriate mitigation action entries in the registry by type of capacity-building support sought as at 30 September 2023



D. Support available and provided within the registry of nationally appropriate mitigation actions

26. The number of entries recording information on support available and provided within the NAMA registry has not changed since 2017. As at 30 September 2023, the registry contained 18 entries on support available and 18 entries on the matching of NAMAs with support available in the registry; and the details of support available and provided remained the same as documented in the 2015,⁸ 2016⁹ and 2017¹⁰ reports on the registry.

27. The support matched to NAMAs totalled USD 37.7 million as at 30 September 2023, most of which was provided for implementation (USD 31.3 million) and the rest for preparation (USD 6.4 million). Some support-providing agencies did not mention the amount of support provided; hence, the actual support provided could be greater than that recorded in the registry.

E. Secretariat support for registry users

28. The secretariat continued its efforts to engage with and support Parties and entities in making effective use of the NAMA registry, including by ensuring its smooth operation and providing up-to-date information on how to record entries and assist users, if required. The secretariat will continue such efforts in 2024.

F. Challenges

29. The challenges highlighted in the 2015¹¹ report on the NAMA registry in relation to using it effectively remain, notably limited awareness of the potential and benefits of the registry, limited engagement and follow-up by Parties and entities in relation to improving the registry and its use, and limited national capacity to engage in the NAMA development cycle and record information in the registry.

⁸ FCCC/CP/2015/INF.2, paras. 62–82.

⁹ FCCC/CP/2016/INF.1, paras. 63–71.

¹⁰ FCCC/CP/2017/INF.3, paras. 12–14.

¹¹ FCCC/CP/2015/INF.2, para. 11.