



作为《巴黎协定》缔约方会议的
《公约》缔约方会议构

2021 年 10 月 31 日至 11 月 13 日在格拉斯哥举行的作为《巴
黎协定》缔约方会议的《公约》缔约方会议第三届会议报告

增编

第二部分：作为《巴黎协定》缔约方会议的《公约》缔约方会议第三
届会议采取的行动

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第 5/CMA.3 号决定

关于《巴黎协定》第十三条所述强化透明度框架的模式、程序和指南的实施导则

作为《巴黎协定》缔约方会议的《公约》缔约方会议，

回顾《巴黎协定》第十三条和第 18/CMA.1 号决定及其附件，

又回顾第 20/CMA.1 号决定及其附件，

还回顾第 17/CP.8 号、第 2/CP.17 号、第 24/CP.19 号、第 13/CP.20 号、第 9/CP.21 号和第 6/CP.25 号决定的附件，以及第 1/CP.24 号决定第 39-46 段，

回顾《巴黎协定》第十三条第二款和第 1/CP.21 号决定第 89 段，

又回顾第 18/CMA.1 号决定附件第 3 段提到的指导原则，

还回顾《巴黎协定》第十三条第十四至第十五款规定，应为发展中国家缔约方提供支助，以实施第十三条并持续不断地建设发展中国家缔约方与透明度有关的能力，

回顾第 1/CP.24 号决定第 43(a)段规定，对于第 4/CP.5 号和第 17/CP.8 号决定(如适用)所载国家信息通报报告指南所涵盖的信息，缔约方可根据第 18/CMA.1 号决定附件所载的模式、程序和指南，将国家信息通报和两年期透明度报告作为单一报告提交，

1. 通过：

(a) 第 18/CMA.1 号决定附件第二章所述用于以电子形式报告温室气体源的人为排放和汇的清除国家清单报告中所载信息的通用报告表格，载于附件一；

(b) 第 18/CMA.1 号决定附件第三章所述用于以电子形式报告跟踪在履行和实现《巴黎协定》第四条下的国家自主贡献方面取得的进展所需信息的通用表格格式，载于附件二；

(c) 第 18/CMA.1 号决定附件第五至第六章所述用于以电子形式报告关于《巴黎协定》第九至第十一条下提供和调动资金、技术开发和转让、能力建设等支助，以及所需和所获支助的信息的通用表格格式，载于附件三；

(d) 根据第 18/CMA.1 号决定附件编制两年期透明度报告、国家清单文件和技术专家审评报告的大纲，分别载于附件四、五和六；

(e) 参加两年期透明度报告技术专家审评的技术专家培训方案，载于附件七；

2. 鼓励缔约方分别按照附件四和附件五所载大纲编写两年期透明度报告和国家清单文件；

3. 决定技术专家审评组将遵循附件六所载的技术专家审评报告大纲；

4. 重申第 18/CMA.1 号决定附件第 79 段，其中规定各缔约方应酌情以叙述性段落和通用表格格式报告该附件第 65-78 段所述信息，同时注意到缔约方两年期透明度报告可酌情以其他格式进一步补充通用表格格式提供的信息；

5. 决定发展中国家缔约方，凡鉴于能力问题而需要灵活性的，在就一项规定提交报告时如果它对这项规定的能力有限制，则为了在分别载于附件一和二的通用报告表格和通用表格格式中反映出第 18/CMA.1 号决定附件所载具体灵活性规定的实施情况，可酌情选择以下一个或多个选项：

(a) 在相关通用报告表格或通用表格格式中使用新的符号代码“FX”（灵活性），并在相应的文档框中解释具体灵活性条款是如何适用的；

(b) 如果在行或列的每个单元格中都报告了“FX”，则折叠相关的行或列，需展示时再予以展开，并在相应的文档框中解释具体灵活性条款是如何适用的；

(c) 如果在行或列的每个单元格中都报告了“FX”，则折叠与第 18/CMA.1 号决定附件第 48 段所列四种额外气体有关的表格，需展示时再予以展开，并在相应的文档框中解释具体灵活性规定是如何适用的；根据第 18/CMA.1 号决定附件第 57-58 段表明清单时间序列的第一年和最后一年，根据这一选择生成栏目和表格，并在相应的文档框中解释具体灵活性条款是如何适用的；并根据第 18/CMA.1 号决定附件第 25 和第 32 段表明选定的门槛，在相应的文档框中解释具体灵活性条款是如何适用的；

6. 请秘书处将上文第 5 段提到的格式和方法纳入下文第 8 段提到的报告工具；

7. 又请秘书处将下文第 26 段提到的保密办法纳入下文第 8 段提到的报告工具；

8. 还请秘书处考虑到上文第 5 段提到的灵活性规定的实施情况，为通用报告表格和通用表格格式的电子报告开发报告工具(下称“报告工具”)，并在 2023 年 6 月之前提供报告工具的试用版本，以期在及时获得足够资金的前提下在 2024 年 6 月之前完成工具的最终版本；

9. 请秘书处在报告工具最后完成前，向附属科学技术咨询机构第五十七届会议(2022 年 11 月)和随后的每届会议通报开发报告工具的进展情况；

10. 邀请缔约方在 2023 年 12 月前通过提交材料门户网站，¹最迟在试用版发布后 6 个月就它们使用试用版报告工具的经验(包括将工具纳入其国家清单安排的经验)提交看法，并就工具的改进提供投入；

11. 请秘书处就上述提交材料编写一份技术文件，包括评估缔约方使用报告工具试用版的经验以及发展中国家缔约方在将这些工具纳入国家清单安排方面面临的挑战，供附属科学和技术咨询机构第六十届会议(2024 年 6 月)审议；

12. 又请秘书处在报告工具试用版面世后定期组织技术培训讲习班(在线和/或面授)，以便利与缔约方专家进行互动练习，展示报告工具的功能；

13. 还请秘书处编写一份报告，说明在报告工具的最终版本中如何考虑进缔约方对报告工具试用版的投入，以便在报告工具最后完成后就此向附属科学和技术咨询机构下届会议作介绍；

14. 请秘书处在报告工具的最终版本发布后，定期组织技术培训讲习班(在线和/或面授)，以便利与缔约方专家进行互动练习，展示报告工具的功能，并促进缔约方专家在使用报告工具并将其纳入国家清单安排方面的同行学习和经验分享；

¹ <https://www4.unfccc.int/sites/submissionsstaging/Pages/Home.aspx>.

15. 又请秘书处编制报告工具的使用手册；
16. 还请秘书处就报告工具的使用向发展中国家缔约方提供培训和咨询，并尽可能向这些国家，包括向使用政府间气候变化专门委员会清单软件的国家提供技术支持，将报告工具纳入其国家温室气体清单安排；
17. 决定如果清单信息通用报告表格报告工具的最终版本在上文第 8 段所述的时限内无法提供，缔约方可以在 2024 年 12 月 31 日之后提交国家清单报告，延迟期限不超过提供报告工具所延迟的时间；
18. 又决定，如果根据第 18/CMA.1 号决定附件第三、第五和第六章报告信息的通用表格格式报告工具在上文第 8 段所述的时限内无法提供，缔约方应按照商定的最后期限在两年期透明度报告中(不包括通用表格格式)提交信息，但可以在 2024 年 12 月 31 日之后提交通用表格格式，延迟期限不超过提供报告工具所延迟的时间；
19. 请秘书处促进报告工具与政府间气候变化专门委员会清单软件之间的互操作性；
20. 邀请政府间气候变化专门委员会参与上文第 19 段所述的工作；
21. 又邀请政府间气候变化专门委员会在 2024 年下半年组织一次技术培训讲习班，介绍其清单软件以及该软件与上文第 8 段所述通用报告表格电子报告工具之间的联系；
22. 请秘书处建立一个互动门户网站，以便按参数和年份提供缔约方根据第 18/CMA.1 号决定附件第 118-145 段在两年期透明度报告中报告的信息；
23. 又请秘书处从 2025 年 12 月起启用上文第 22 段所述的门户网站；
24. 强调各有关缔约方可根据第 18/CMA.1 号决定附件第 115 段，在两年期透明度报告的第四章酌情提供信息，说明在合作和促进的基础上加强理解、行动和支助以避免、尽量减轻和处理气候变化影响相关损失和损害的情况；
25. 澄清第 18/CMA.1 号决定附件第 37 段所述的 100 年时间范围全球变暖潜能值应为政府间气候变化专门委员会第五次评估报告表 8.A.1 所列的值，不包括化石甲烷的值；
26. 回顾根据第 18/CMA.1 号决定附件第 47 段，保护商业和军事机密信息需要最低程度的汇总，在这种情况下，缔约方应向技术专家审评组提供资料，说明按照政府间气候变化专门委员会《2006 年气专委国家温室气体清单指南》中阐述的良好做法用于估算相关次级类别排放量和清除量的方法，以及所用信息的说明、假设、参考资料和来源；
27. 又回顾第 18/CMA.1 号决定附件第 31 段，并注意到，如果没有关于温室气体排放系数、活动数据和/或源排放量和汇清除量的信息，则可使用符号代码“IE”表示该数据在清单中另列，而不是列入预期的源或汇类别；
28. 注意到缔约方可自愿使用政府间气候变化专门委员会《2006 年气专委国家温室气体清单指南的 2019 年修订版》；

29. 请秘书处对《2006 年气专委国家温室气体清单指南》和通用报告表格中的类别进行摸底调查，以确定类别名称的差异，并将摸底调查的结果提供给国家温室气体清单编制者；
30. 又请秘书处酌情纳入专家咨询小组和主任审评员的技术咨询意见，以制定附件七概述的参加两年期透明度报告技术专家审评的技术专家培训方案，同时考虑到根据《公约》制定现有培训方案的经验和教训；
31. 还请秘书处落实附件七概述的参加两年期透明度报告技术专家审评的技术专家培训方案，同时考虑到专家咨询小组和主任审评员就对参加两年期透明度报告技术专家审评的技术专家开展培训一事向秘书处提供的技术咨询意见；
32. 请秘书处向附属科学和技术咨询机构第五十七届会议和其后每届会议报告关于制定培训方案的进展情况，直至完成制定培训方案为止；
33. 又请秘书处从 2023 年 3 月 1 日起提供附件七第 10 段概述的培训方案的组成课程，优先开发旨在全面概述《巴黎协定》之下的强化透明度框架的课程，并在及时获得足够资金的前提下，在 2023 年 9 月之前提供与根据第 18/CMA.1 号决定附件第 150 段进行审评的信息有关的其他课程；
34. 还请秘书处尽可能促进参加上文第 30 段所述培训方案的技术审评专家之间的地域和性别平衡，并特别考虑发展中国家、特别是最不发达国家和小岛屿发展中国家的专家，包括在支持参加培训方案方面；
35. 注意到根据第 18/CMA.1 号决定附件第四章报告的信息不属于根据第 18/CMA.1 号决定附件第 150 段进行的技术专家审评的范围，同一决定并不禁止自愿审评所报告的这类信息；
36. 又注意到缔约方表示有兴趣要求在自愿的基础上审评上文第 35 段所述的信息；
37. 认识到审评这一信息可在改进上文第 35 段所述信息的报告方面发挥重要作用；
38. 请附属科学和技术咨询机构第五十六届会议(2022 年 6 月)审议在自愿的基础上对根据第 18/CMA.1 号决定附件第四章报告的信息进行审评的备选方案，以及便利这些自愿审评所需的各个培训课程，包括相关的预算考量，以期就此事项建议一项决定草案，供作为《巴黎协定》缔约方会议的《公约》缔约方会议第四届会议(2022 年 11 月)审议和通过；
39. 邀请缔约方于 2022 年 4 月 30 日前，通过提交材料门户网站²就上文第 38 段确定的事项提交意见；
40. 又邀请《巴黎协定》第十五条第二款所述促进履行和遵守的委员会在查明第 20/CMA.1 号决定附件第 22(b)段所述重大和持续不一致的情况时，视需要与主任审评员联络；
41. 还邀请发达国家缔约方和其他缔约方在自愿的基础上提供财政资源，帮助秘书处就使用通用报告表格、通用表格格式以及相应的报告工具向所有缔约方提供及时和全面的培训；

² <https://www4.unfccc.int/sites/submissionsstaging/Pages/Home.aspx>.

42. 决定在第四届会议和以后的每届会议上审议关于“根据《巴黎协定》第十三条进行的报告和审评：向发展中国家提供财政和能力建设支助”的项目，其中将包括审议根据《巴黎协定》第十三条向发展中国家缔约方提供的报告和相关能力建设方面的支助；
43. 认识到需要得到包括全球环境基金在内的各种来源和渠道的更多支持，以实施强化透明度框架；
44. 欢迎全球环境基金按照第 18/CMA.1 号决定第 8 段的要求，安排向发展中国家缔约方提供资金支持，以编写第一份和随后的两年期透明度报告；
45. 注意到关于向全球环境基金提供指导意见的有关事项的第 12/CMA.3 号决定；
46. 鼓励发展中国家缔约方编制和提交项目提案，以便获得全球环境基金对编写两年期透明度报告的资金支持；
47. 邀请专家咨询小组根据第 18/CMA.1 号决定第 15 段，在努力支持实施强化透明度框架时考虑到上文第 1 段；
48. 确认第 3/CP.1 号决定所载发达国家缔约方提交年度温室气体清单的截止日期；
49. 注意到上文第 8、第 11-16、第 19、第 21-22 和第 29-31 段所述有待秘书处开展的活动所涉的估计预算问题；
50. 请秘书处在资金允许的情况下开展本决定所要求的行动。

Annex I

Common reporting tables for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases

[English only]

The common reporting tables for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases are available at <https://unfccc.int/documents/311076>.

1.

Annex II*

Common tabular formats for the electronic reporting of the information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement

[English only]

1. Structured summary: Description of selected indicators

<i>Indicator(s) selected to track progress^a</i>	<i>Description</i>
{ Indicator }	
	Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate ^b
	Updates in accordance with any recalculation of the GHG inventory, as appropriate ^b
	Relation to NDC ^c

Notes: (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs. (3) The Party could add rows for each additional selected indicator and related information.

^a Each Party shall identify the indicator(s) that it has selected to track progress of its NDC (para. 65 of the MPGs).

^b Each Party shall provide the information for each selected indicator for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), and shall update the information in accordance with any recalculation of the GHG inventory, as appropriate (para. 67 of the MPGs).

^c Each Party shall describe for each indicator identified how it is related to its NDC (para. 76(a) of the MPGs).

Custom footnotes:

Documentation box:

* The [list of the acronyms and abbreviations](#) used in this annex can be found at the end of the document.

2. Structured summary: Definitions needed to understand NDC

Definitions ^a
<i>Definition needed to understand each indicator:</i>
{ Indicator }
<i>Any sector or category defined differently than in the national inventory report:</i>
{ Sector }
{ Category }
<i>Definition needed to understand mitigation co-benefits of adaptation actions and/or economic diversification plans:</i>
{ Mitigation co-benefit(s) }
<i>Any other relevant definitions:</i>
{ ... }

Notes: (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs. (3) The Party could add rows for each additional sector, category, mitigation co-benefits of adaptation actions and/or economic diversification plans, indicator and any other relevant definitions.

^a Each Party shall provide any definitions needed to understand its NDC under Article 4, including those related to each indicator identified in para. 65 of the MPGs, those related to any sectors or categories defined differently than in the national inventory report, or the mitigation co-benefits of adaptation actions and/or economic diversification plans (para. 73 of the MPGs).

Custom footnotes:

Documentation box:

3. Structured summary: Methodologies and accounting approaches – consistency with Article 4, paragraphs 13 and 14, of the Paris Agreement and with decision 4/CMA.1

<i>Reporting requirement</i>	<i>Description or reference to the relevant section of the BTR</i>
<i>For the first NDC under Article 4:^a</i>	
Accounting approach, including how it is consistent with Article 4, paragraphs 13–14, of the Paris Agreement (para. 71 of the MPGs)	
<i>For the second and subsequent NDC under Article 4, and optionally for the first NDC under Article 4:^b</i>	
Information on the accounting approach used is consistent with paragraphs 13–17 and annex II of decision 4/CMA.1 (para. 72 of the MPGs)	
Explain how the accounting for anthropogenic emissions and removals is in accordance with methodologies and common metrics assessed by the IPCC and in accordance with decision 18/CMA.1 (para. 1(a) of annex II to decision 4/CMA.1)	
Explain how consistency has been maintained between any GHG data and estimation methodologies used for accounting and the Party's GHG inventory, pursuant to Article 13, paragraph 7(a), of the Paris Agreement, if applicable (para. 2(b) of annex II to decision 4/CMA.1)	
Explain how overestimation or underestimation has been avoided for any projected emissions and removals used for accounting (para. 2(c) of annex II to decision 4/CMA.1)	
<i>For each NDC under Article 4:^b</i>	
<i>Accounting for anthropogenic emissions and removals in accordance with methodologies and common metrics assessed by the IPCC and adopted by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement:</i>	
Each methodology and/or accounting approach used to assess the implementation and achievement of the target(s), as applicable (para. 74(a) of the MPGs)	
Each methodology and/or accounting approach used for the construction of any baseline, to the extent possible (para. 74(b) of the MPGs)	
If the methodology or accounting approach used for the indicator(s) in table 1 differ from those used to assess the implementation and achievement the target, describe each methodology or accounting approach used to generate the information generated for each indicator in table 4 (para. 74(c) of the MPGs)	
Any conditions and assumptions relevant to the achievement of the NDC under Article 4, as applicable and available (para. 75(i) of the MPGs)	
Key parameters, assumptions, definitions, data sources and models used, as applicable and available (para. 75(a) of the MPGs)	
IPCC Guidelines used, as applicable and available (para. 75(b) of the MPGs)	
Report the metrics used, as applicable and available (para. 75(c) of the MPGs)	

<i>Reporting requirement</i>	<i>Description or reference to the relevant section of the BTR</i>
For Parties whose NDC cannot be accounted for using methodologies covered by IPCC guidelines, provide information on their own methodology used, including for NDCs, pursuant to Article 4, paragraph 6, of the Paris Agreement, if applicable (para. 1(b) of annex II to decision 4/CMA.1)	
Provide information on methodologies used to track progress arising from the implementation of policies and measures, as appropriate (para. 1(d) of annex II to decision 4/CMA.1)	
Where applicable to its NDC, any sector-, category- or activity-specific assumptions, methodologies and approaches consistent with IPCC guidance, taking into account any relevant decision under the Convention, as applicable (para. 75(d) of the MPGs)	
For Parties that address emissions and subsequent removals from natural disturbances on managed lands, provide detailed information on the approach used and how it is consistent with relevant IPCC guidance, as appropriate, or indicate the relevant section of the national GHG inventory report containing that information (para. 1(e) of annex II to decision 4/CMA.1, para. 75(d)(i) of the MPGs)	
For Parties that account for emissions and removals from harvested wood products, provide detailed information on which IPCC approach has been used to estimate emissions and removals (para. 1(f) of annex II to decision 4/CMA.1, para. 75(d)(ii) of the MPGs)	
For Parties that address the effects of age-class structure in forests, provide detailed information on the approach used and how this is consistent with relevant IPCC guidance, as appropriate (para. 1(g) of annex II to decision 4/CMA.1, para. 75(d)(iii) of the MPGs)	
How the Party has drawn on existing methods and guidance established under the Convention and its related legal instruments, as appropriate, if applicable (para. 1(c) of annex II to decision 4/CMA.1)	
Any methodologies used to account for mitigation co-benefits of adaptation actions and/or economic diversification plans (para. 75(e) of the MPGs)	
Describe how double counting of net GHG emission reductions has been avoided, including in accordance with guidance developed related to Article 6 if relevant (para. 76(d) of the MPGs)	
Any other methodologies related to the NDC under Article 4 (para. 75(h) of the MPGs)	
<i>Ensuring methodological consistency, including on baselines, between the communication and implementation of NDCs (para. 12(b) of the decision 4/CMA.1):</i>	
Explain how consistency has been maintained in scope and coverage, definitions, data sources, metrics, assumptions and methodological approaches including on baselines, between the communication	

Reporting requirement	Description or reference to the relevant section of the BTR
and implementation of NDCs (para. 2(a) of annex II to decision 4/CMA.1)	Explain how consistency has been maintained between any GHG data and estimation methodologies used for accounting and the Party's GHG inventory, pursuant to Article 13, paragraph 7(a), of the Paris Agreement, if applicable (para. 2(b) of annex II to decision 4/CMA.1) and explain methodological inconsistencies with the Party's most recent national inventory report, if applicable (para. 76(c) of the MPGs)
<i>For Parties that apply technical changes to update reference points, reference levels or projections, the changes should reflect either of the following (para. 2(d) of annex II to decision 4/CMA.1):</i>	Technical changes related to technical corrections to the Party's inventory (para. 2(d)(i) of annex II to decision 4/CMA.1)
Technical changes related to improvements in accuracy that maintain methodological consistency (para. 2(d)(ii) of annex II to decision 4/CMA.1)	Explain how any methodological changes and technical updates made during the implementation of their NDC were transparently reported (para. 2(e) of annex II to decision 4/CMA.1)
<i>Striving to include all categories of anthropogenic emissions or removals in the NDC and, once a source, sink or activity is included, continuing to include it (para. 3 of annex II to decision 4/CMA.1):</i>	Explain how all categories of anthropogenic emissions and removals corresponding to their NDC were accounted for (para. 3(a) of annex II to decision 4/CMA.1)
Explain how Party is striving to include all categories of anthropogenic emissions and removals in its NDC, and, once a source, sink or activity is included, continue to include it (para. 3(b) of annex II to decision 4/CMA.1)	Provide an explanation of why any categories of anthropogenic emissions or removals are excluded (para. 4 of annex II to decision 4/CMA.1)
<i>Each Party that participates in cooperative approaches that involve the use of ITMOs towards an NDC under Article 4, or authorizes the use of mitigation outcomes for international mitigation purposes other than achievement of its NDC</i>	Provide information on any methodologies associated with any cooperative approaches that involve the use of ITMOs towards an NDC under Article 4 (para. 75(f) of the MPGs)
Provide information on how each cooperative approach promotes sustainable development, consistent with decisions adopted by the CMA on Article 6 (para. 77(d)(iv) of the MPGs)	

<i>Reporting requirement</i>	<i>Description or reference to the relevant section of the BTR</i>
Provide information on how each cooperative approach ensures environmental integrity consistent with decisions adopted by the CMA on Article 6 (para. 77(d)(iv) of the MPGs)	
Provide information on how each cooperative approach ensures transparency, including in governance, consistent with decisions adopted by the CMA on Article 6 (para. 77(d)(iv) of the MPGs)	
Provide information on how each cooperative approach applies robust accounting to ensure, inter alia, the avoidance of double counting, consistent with decisions adopted by the CMA on Article 6 (para. 77(d)(iv) of the MPGs)	
Any other information consistent with decisions adopted by the CMA on reporting under Article 6 (para. 77(d)(iii) of the MPGs)	

Notes: (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs.

^a For the first NDC under Article 4, each Party shall clearly indicate and report its accounting approach, including how it is consistent with Article 4, paras. 13–14, of the Paris Agreement (para. 71 of the MPGs)

^b For the second and subsequent NDC under Article 4, each Party shall provide information referred to in chapter III.B and C of the MPGs consistent with decision 4/CMA.1. Each Party shall clearly indicate how its reporting is consistent with decision 4/CMA.1 (para. 72 of the MPGs). Each Party may choose to provide information on accounting of its first NDC consistent with decision 4/CMA.1 (para. 71 of the MPGs).

Custom footnotes:

Documentation box:

4. Structured summary: Tracking progress made in implementing and achieving the NDC under Article 4 of the Paris Agreement^a

Indicator(s) selected to track progress of the NDC or portion of NDC under Article 4 of the Paris Agreement (paras. 65 and 77(a) of the MPGs):	Unit, as applicable	Reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate (paras. 67 and 77(a)(i) of the MPGs)	Implementation period of the NDC covering information for previous reporting years, as applicable, and the most recent year, including the end year or end of period (paras. 68 and 77(a)(ii–iii) of the MPGs)						Target level ^b	Target year or period	Progress made towards the NDC, as determined by comparing the most recent information for each selected indicator, including for the end year or end of period, with the reference point(s), level(s), baseline(s), base year(s) or starting point(s) (paras. 69–70 of the MPGs)
			Year 1	Year 2	End year			
{ Indicator }											
{ Parties can add rows for each additional indicator and supporting information for each indicator, e.g. baseline values, baseline for the portion of NDC, target values, mitigation effects of policies and measures, etc. }											
Where applicable, total GHG emissions and removals consistent with the coverage of the NDC (para. 77(b) of the MPGs)											
Contribution from the LULUCF sector for each year of the target period or target year, if not included in the inventory time series of total net GHG emissions and removals, as applicable (para. 77(c) of the MPGs)											
Each Party that participates in cooperative approaches that involve the use of ITMOs towards an NDC under Article 4 of the Paris Agreement, or authorizes the use of mitigation outcomes for international mitigation purposes other than achievement of the NDC, shall provide (para. 77(d) of the MPGs):											
If applicable, an indicative multi-year emissions trajectory, trajectories or budget for its NDC implementation period (para. 7(a)(i), annex to decision 2/CMA.3)											
If applicable, multi-year emissions trajectory, trajectories or budget for its NDC implementation period that is consistent with the NDC (para. 7(b), annex to decision 2/CMA.3)											
Annual anthropogenic emissions by sources and removals by sinks covered by its NDC or, where applicable, from the emission or sink categories as identified by the host Party pursuant to paragraph 10 of annex to decision 2/CMA.3 (para. 23(a), annex to decision 2/CMA.3) (as part of para. 77 (d)(i) of the MPGs)											
Annual anthropogenic emissions by sources and removals by sinks covered by its NDC or, where applicable, from the											

	Unit, as applicable	Reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate (paras. 67 and 77(a)(i) of the MPGs)	Implementation period of the NDC covering information for previous reporting years, as applicable, and the most recent year, including the end year or end of period (paras. 68 and 77(a)(ii–iii) of the MPGs)						Target level ^b	Target year or period	Progress made towards the NDC, as determined by comparing the most recent information for each selected indicator, including for the end year or end of period, with the reference point(s), level(s), baseline(s), base year(s) or starting point(s) (paras. 69–70 of the MPGs)
			Year 1	Year 2	End year			
portion of its NDC in accordance with paragraph 10, annex to decision 2/CMA.3 (para. 23(b), annex to decision 2/CMA.3)											
If applicable, annual level of the relevant non-GHG indicator that is being used by the Party to track progress towards the implementation and achievement of its NDC and was selected pursuant to paragraph 65, annex to decision 18/CMA.1 (para. 23(i), annex, decision 2/CMA.3)											
Annual quantity of ITMOs first transferred (para. 23(c), annex to decision 2/CMA.3) (para. 77(d)(ii) of the MPGs)											
Annual quantity of mitigation outcomes authorized for use for other international mitigation purposes and entities authorized to use such mitigation outcomes, as appropriate (para. 23(d), annex to decision 2/CMA.3) (para. 77(d)(ii) of the MPGs)											
Annual quantity of ITMOs used towards achievement of the NDC (para. 23(e), annex to decision 2/CMA.3) (para. 77(d)(ii) of the MPGs)											
Net annual quantity of ITMOs resulting from paras. 23(c)-(e), annex to decision 2/CMA.3 (para. 23(f), annex to decision 2/CMA.3)											
If applicable, the cumulative amount of ITMOs, divided by the number of elapsed years in the NDC implementation period (para. 7(a)(ii), annex to decision 2/CMA.3)											
Total quantitative corresponding adjustments used to calculate the emissions balance referred to in para. 23(k)(i), annex to decision 2/CMA.3, in accordance with the Party's method for applying corresponding adjustments consistent with section III.B, annex to decision 2/CMA.3 (Application of corresponding adjustments) (para. 23(g), annex to decision 2/CMA.3)											
The cumulative information in respect of the annual information in para. 23(f), annex to decision 2/CMA.3, as applicable (para. 23(h), annex to decision 2/CMA.3)											
For metrics in tonnes of CO ₂ eq. or non-GHG, an annual emissions balance consistent with chapter III.B (Application of corresponding adjustment), annex, decision 2/CMA.3 (para.											

23(k)(i), annex to decision 2/CMA.3) (as part of para. 77 (d)(ii) of the MPGs)	Unit, as applicable	Reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate (paras. 67 and 77(a)(i) of the MPGs)	Implementation period of the NDC covering information for previous reporting years, as applicable, and the most recent year, including the end year or end of period (paras. 68 and 77(a)(ii–iii) of the MPGs)						Target level ^b	Target year or period	Progress made towards the NDC, as determined by comparing the most recent information for each selected indicator, including for the end year or end of period, with the reference point(s), level(s), baseline(s), base year(s) or starting point(s) (paras. 69–70 of the MPGs)
			Year 1	Year 2	End year			
For metrics in non-GHG, for each non-GHG metric determined by participating Parties, annual adjustments resulting in an annual adjusted indicator, consistent with para. 9 of chapter III.B (Corresponding adjustments), annex to decision 2/CMA.3, and future guidance to be adopted by the CMA (para. 23(k)(ii), annex to decision 2/CMA.3)											
Any other information consistent with decisions adopted by the CMA on reporting under Article 6 (para. 77(d)(iii) of the MPGs)											
Assessment of the achievement of the Party's NDC under Article 4 of the Paris Agreement (para. 70 of the MPGs):											
Restate the target of the Party's NDC:											
Information for reference point(s), level(s), baseline(s), base year(s), or starting point(s):											
Final information for the indicator for the target year/period, including the application of the necessary corresponding adjustments consistent with chapter III, annex, decision 2/CMA.3 (Corresponding adjustments) and consistent with future decisions from the CMA (para. 23(l), annex to decision 2/CMA.3):											
Comparison:											
Achievement of NDC: {yes/no, explanation}											

Notes: (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs. (3) The Party could add rows for each additional selected indicator.

^a This table could be used for each NDC target in case Party's NDC has multiple targets.

^b Parties may provide information on conditional targets in a documentation box with references to the relevant page in their biennial transparency report.

Custom footnotes:

Documentation box:

5. Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans, related to implementing and achieving a nationally determined contribution under Article 4 of the Paris Agreement^{a, b}

Name ^c	Description ^{d, e, f}	Objectives	Type of instrument ^g	Status ^h	Sector(s) affected ⁱ	Gases affected	Start year of implementation	Implementing entity or entities	Estimates of GHG emission reductions (kt CO ₂ eq) ^{j, k}	
									Achieved	Expected

^a Each Party shall provide information on actions, policies and measures that support the implementation and achievement of its NDC under Article 4 of the Paris Agreement, focusing on those that have the most significant impact on GHG emissions or removals and those impacting key categories in the national GHG inventory. This information shall be presented in narrative and tabular format (para. 80 of the MPGs).

^b For each Party with an NDC under Article 4 of the Paris Agreement that consists of mitigation co-benefits resulting from Parties' adaptation actions and/or economic diversification plans consistent with Article 4, para. 7, information to be reported under paras. 80, 82 and 83 of the MPGs includes relevant information on policies and measures contributing to mitigation co-benefits resulting from adaptation actions or economic diversification plans (para. 84 of the MPGs).

^c Parties may indicate whether a measure is included in the 'with measures' projections.

^d Additional information may also be provided on the cost of the mitigation actions, non-GHG mitigation benefits, and how the mitigation action interacts with other mitigation actions, as appropriate (para. 83(a–c) of the MPGs).

^e Parties should identify actions, policies and measures that influence GHG emissions from international transport (para. 88 of the MPGs).

^f Parties should, to the extent possible, provide information about how actions, policies and measures are modifying longer-term trends in GHG emissions and removals (para. 89 of the MPGs).

^g Parties shall, to the extent possible, provide information on the types of instrument: regulatory, economic instrument or other (para. 82(d) of the MPGs).

^h Parties shall, to the extent possible, use the following descriptive terms to report on status of implementation: planned, adopted or implemented (para. 82(e) of the MPGs).

ⁱ Parties shall, to the extent possible, provide information on sector(s) affected: energy, transport, industrial processes and product use, agriculture, LULUCF, waste management or other (paras. 81 and 82(f) of the MPGs).

^j Each Party shall provide, to the extent possible, estimates of expected and achieved GHG emission reductions for its actions, policies and measures in the tabular format; those developing country Parties that need flexibility in the light of their capacities with respect to this provision are instead encouraged to report this information (para. 85 of the MPGs).

^k To the extent available, each Party shall describe the methodologies and assumptions used to estimate the GHG emission reductions or removals due to each action, policy and measure. This information may be presented in an annex to the biennial transparency report (para. 86 of the MPGs).

Custom footnotes:

Documentation box:

6. Summary of greenhouse gas emissions and removals in accordance with the common reporting table 10 emission trends – summary

According to paragraph 91 of the MPGs, each Party that submits a stand-alone national inventory report shall provide a summary of its GHG emissions and removals. This information shall be provided for those reporting years corresponding to the Party's most recent national inventory report, in a tabular format.

7. Information on projections of greenhouse gas emissions and removals under a 'with measures' scenario^{a, b}

	Most recent year in the Party's national inventory report (kt CO ₂ eq) ^c	Projections of GHG emissions and removals (kt CO ₂ eq) ^c		
	20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
Sector^d				
Energy				
Transport				
Industrial processes and product use				
Agriculture				
LULUCF				
Waste				
Other (specify)				
Gas				
CO ₂ emissions including net CO ₂ from LULUCF				
CO ₂ emissions excluding net CO ₂ from LULUCF				
CH ₄ emissions including CH ₄ from LULUCF				
CH ₄ emissions excluding CH ₄ from LULUCF				
N ₂ O emissions including N ₂ O from LULUCF				
N ₂ O emissions excluding N ₂ O from LULUCF				
HFCs				
PFCs				
SF ₆				
NF ₃				
Other (specify)				
Total with LULUCF				
Total without LULUCF				

^a Each Party shall report projections pursuant to paras. 93–101 of the MPGs; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report such projections (para. 92 of the MPGs).

^b Those developing country Parties that need flexibility in the light of their capacities with respect paras. 93–101 of the MPGs can instead report using a less detailed methodology or coverage (para. 102 of the MPGs).

^c Projections shall begin from the most recent year in the Party's national report and extend at least 15 years beyond the next year ending in zero or five; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 95 of the MPGs).

^d In accordance with para. 82(f) of the MPGs.

Custom footnotes:

Documentation box:

8. Information on projections of greenhouse gas emissions and removals under a ‘with additional measures’ scenario^{a, b}

	Most recent year in the Party's national inventory report (kt CO ₂ eq) ^c	Projections of GHG emissions and removals (kt CO ₂ eq) ^c		
	20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
Sector^d				
Energy				
Transport				
Industrial processes and product use				
Agriculture				
LULUCF				
Waste				
Other (specify)				
Gas				
CO ₂ emissions including net CO ₂ from LULUCF				
CO ₂ emissions excluding net CO ₂ from LULUCF				
CH ₄ emissions including CH ₄ from LULUCF				
CH ₄ emissions excluding CH ₄ from LULUCF				
N ₂ O emissions including N ₂ O from LULUCF				
N ₂ O emissions excluding N ₂ O from LULUCF				
HFCs				
PFCs				
SF ₆				
NF ₃				
Other (specify)				
Total with LULUCF				
Total without LULUCF				

^a Each Party shall report projections pursuant to paras. 93–101 of the MPGs; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report such projections (para. 92 of the MPGs).

^b Those developing country Parties that need flexibility in the light of their capacities with respect paras. 93–101 of the MPGs can instead report using a less detailed methodology or coverage (para. 102 of the MPGs).

^c Projections shall begin from the most recent year in the Party's national report and extend at least 15 years beyond the next year ending in zero or five; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 95 of the MPGs).

^d In accordance with para. 82(f) of the MPGs.

Custom footnotes:

Documentation box:

9. Information on projections of greenhouse gas emissions and removals under a ‘without measures’ scenario^{a, b}

	Most recent year in the Party's national inventory report (kt CO ₂ eq) ^c	Projections of GHG emissions and removals (kt CO ₂ eq) ^c		
	20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
Sector^d				
Energy				
Transport				
Industrial processes and product use				
Agriculture				
LULUCF				
Waste				
Other (specify)				
Gas				
CO ₂ emissions including net CO ₂ from LULUCF				
CO ₂ emissions excluding net CO ₂ from LULUCF				
CH ₄ emissions including CH ₄ from LULUCF				
CH ₄ emissions excluding CH ₄ from LULUCF				
N ₂ O emissions including N ₂ O from LULUCF				
N ₂ O emissions excluding N ₂ O from LULUCF				
HFCs				
PFCs				
SF ₆				
NF ₃				
Other (specify)				
Total with LULUCF				
Total without LULUCF				

^a Each Party shall report projections pursuant to paras. 93–101 of the MPGs; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report such projections (para. 92 of the MPGs).

^b Those developing country Parties that need flexibility in the light of their capacities with respect paras. 93–101 of the MPGs can instead report using a less detailed methodology or coverage (para. 102 of the MPGs).

^c Projections shall begin from the most recent year in the Party's national report and extend at least 15 years beyond the next year ending in zero or five; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 95 of the MPGs).

^d In accordance with para. 82(f) of the MPGs.

Custom footnotes:

Documentation box:

10. Projections of key indicators^{a, b}

Key indicator(s) ^c	Unit, as applicable	Most recent year in the Party's national inventory report, or the most recent year for which data are available	Projections of key indicators ^d		
		20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
{Key indicator}					

Note: The Party could add rows for each additional key indicator.

^a Each Party shall report projections pursuant to paras. 93–101 of the MPGs; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report such projections (para. 92 of the MPGs).

^b Those developing country Parties that need flexibility in the light of their capacities with respect paras. 93–101 of the MPGs can instead report using a less detailed methodology or coverage (para. 102 of the MPGs).

^c Each Party shall also provide projections of key indicators to determine progress towards its NDC under Article 4 of the Paris Agreement (para. 97 of the MPGs).

^d Future years extended to at least 15 years beyond the next year ending in zero or five; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 95 of the MPGs).

Custom footnotes:

Documentation box:

11. Key underlying assumptions and parameters used for projections^{a, b}

Key underlying assumptions and parameters ^c	Unit, as applicable	Most recent year in the Party's national inventory report, or the most recent year for which data are available	Projections of key underlying assumptions and parameters ^d		
		20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
		{Key underlying assumption/parameter}			

Note: The Party could add rows for each additional key underlying assumptions and parameters.

^a Each Party shall report projections pursuant to paras. 93–101 of the MPGs; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report such projections (para. 92 of the MPGs).

^b Those developing country Parties that need flexibility in the light of their capacities with respect to paragraphs 93–101 of the MPGs can instead report using a less detailed methodology or coverage (para. 102 of the MPGs).

^c Information provided by each Party in describing the methodology used to develop the projections should include key underlying assumptions and parameters used for projections (e.g. gross domestic product growth rate/level, population growth rate/level) (para. 96(a) of the MPGs).

^d Future years extended to at least 15 years beyond the next year ending in zero or five; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 95 of the MPGs).

Custom footnotes:

Documentation box:

12. Information necessary to track progress on the implementation and achievement of the domestic policies and measures implemented to address the social and economic consequences of response measures^a

<i>Sectors and activities associated with the response measures^b</i>	<i>Social and economic consequences of the response measures^c</i>	<i>Challenges in and barriers to addressing the consequences^d</i>	<i>Actions to address the consequences^e</i>
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^a Each Party with an NDC under Article 4 that consists of adaptation actions and/or economic diversification plans resulting in mitigation co-benefits consistent with Article 4, para. 7, of the Paris Agreement shall provide the information necessary to track progress on the implementation and achievement of the domestic policies and measures implemented to address the social and economic consequences of response measures (para. 78 of the MPGs).

^b In accordance with para. 78(a) of the MPGs.

^c In accordance with para. 78(b) of the MPGs.

^d In accordance with para. 78(c) of the MPGs.

^e In accordance with para. 78(d) of the MPGs.

Custom footnotes:

Documentation box:

Appendix

Reporting format for the description of a Party's nationally determined contribution under Article 4 of the Paris Agreement, including updates

Description of a Party's nationally determined contribution under Article 4 of the Paris Agreement, including updates^a

<i>Description</i>
Target(s) and description, including target type(s), as applicable ^{b, c}
Target year(s) or period(s), and whether they are single-year or multi-year target(s), as applicable
Reference point(s), level(s), baseline(s), base year(s) or starting point(s), and their respective value(s), as applicable
Time frame(s) and/or periods for implementation, as applicable
Scope and coverage, including, as relevant, sectors, categories, activities, sources and sinks, pools and gases, as applicable
Intention to use cooperative approaches that involve the use of ITMOs under Article 6 towards NDCs under Article 4 of the Paris Agreement, as applicable
Any updates or clarifications of previously reported information, as applicable ^d

Note: This table is to be used by Parties on a voluntary basis.

^a Each Party shall provide a description of its NDC under Article 4, against which progress will be tracked. The information provided shall include required information, as applicable, including any updates to information previously provided (para. 64 of the MPGs).

^b For example: economy-wide absolute emission reduction, emission intensity reduction, emission reduction below a projected baseline, mitigation co-benefits of adaptation actions or economic diversification plans, policies and measures, and other (para. 64(a) of the MPGs).

^c Parties with both unconditional and conditional targets in their NDC may add a row to the table to describe conditional targets.

^d For example: recalculation of previously reported inventory data, or greater detail on methodologies or use of cooperative approaches (para. 64(g) of the MPGs).

Custom footnotes:

Documentation box:

Annex III

[English only]

Common tabular formats for the electronic reporting of the information on financial, technology development and transfer and capacity-building support provided and mobilized, as well as support needed and received, under Articles 9–11 of the Paris Agreement

Table III.1

Information on financial support provided under Article 9 of the Paris Agreement in year 20XX-3:^{a, b, c} bilateral, regional and other channels

Exchange rate used: _____

Recipient country or region ^{c, d}	Title of the project programme, activity or other ^{c, e}	Amount (climate-specific) ^{c, f}				Status ^c	Channel ^c	Funding source ^c	Financial instrument ^{c, g}	Type of support ^c	Sector ^c	Subsector ^{c, h}	Contribution to capacity-building objectives ^{c, h}	Contribution to technology development and transfer objectives ^{c, h}	Additional information ^{c, h, i}
		Face value		Grant equivalent											
		Domestic currency	USD	Domestic currency	USD										
Country					Disbursed	Bilateral	ODA	Grant	Adaptation	Energy			Insert 1 for Yes,	Insert 1 for Yes,	
Region ^j					Committed	Regional	OOF	Concessional loan	Mitigation	Transport			0 for No	0 for No	
Global						Multi-bilateral	Other (specify) ^e	Non-concessional loan	Cross-cutting ^k	Industry					
						Other (specify) ^e		Equity		Agriculture					
								Guarantee		Forestry					
								Insurance		Water and sanitation					
								Other (specify) ^e		Cross-cutting					
										Other (specify) ^e					

^a Abbreviations: ODA = official development assistance, OOF = other official flows.

^b Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^c Note: Where financial support contributes to capacity-building and/or technology development and transfer objectives, information in shaded cells is automatically populated in the relevant CTF table on information on support for technology development and transfer provided under Article 10 of the Paris Agreement (table III.4) and/or information on capacity-building support provided under Article 11 of the Paris Agreement (table III.5).

^d Relevant information, in tabular format, on bilateral and regional financial support provided for the previous two reporting years without overlapping with the previous reporting periods.

^e Parties report in a separate table for each year, namely 20XX-3 and 20XX-2, where 20XX is the reporting year.

^f Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d To the extent possible.

^e If “other”, Parties should specify this information.

^f The face value and, on a voluntary basis, the grant-equivalent value.

^g Parties report, to the extent possible, the different amounts per financial instrument, if applicable and as available.

^h As available.

ⁱ Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

^j The region should be reported if data at the country level are not available.

^k This refers to funding for activities that have both mitigation and adaptation components. Parties report, to the extent possible, the different amounts of components, if applicable and as available.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.2

Information on financial support provided under Article 9 of the Paris Agreement in year 20XX-3:^{a, b, c} multilateral channels

Exchange rate used: _____

Institution ^c	Amount ^d												Recipient ^{e, g}	Title of the project, programme, activity or other ^{e, g, h}	Status ^c	Channel ^c	Funding source ^c	Financial instrument ^{c, i}	Type of support ^c	Sector ^{c, g}	Subsector ^{c, g}	Contribution to capacity-building objectives ^{c, e, g}	Contribution to technology development and transfer objectives ^{c, e, g}	Additional information ^c
	Inflows ^{c, e}								Outflows ^{c, e}															
	Core/general ^{c, f}				Climate-specific ^c				Climate-specific ^c															
	Face value		Grant equivalent		Face value		Grant equivalent		Face value		Grant equivalent													
	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD												
Adaptation Fund													Country		Disbursed	Multilateral	ODA	Grant	Adaptation	Energy		Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No	
African Development Bank													Region/		Committed	Multi-	OOF	Concessional	Mitigation	Transport				
Asian Development Bank													Global			bilateral	Other	loan	Cross-	Industry				
Capacity-building Initiative for Transparency																	(specify) ^h	Non-	cutting ⁱ	Agriculture				
Climate Technology Centre and Network																		concessional	Equity	Forestry				
European Bank for Reconstruction and Development																		loan	Guarantee	Water and sanitation				
Global Environment Facility																		Insurance	Other	Cross-cutting				
Green Climate Fund																		(specify) ^h	Other	(specify) ^h				
Inter-American Development Bank																								
International Finance Corporation																								
Least Developed Country Fund																								
Special Climate Change Fund																								
Trust Fund for Supplementary Activities																								
UNFCCC																								
United Nations Development Programme																								
United Nations Environment Programme																								
World Bank																								
Other (specify) ^h																								

Abbreviations: ODA = official development assistance, OOF = other official flows.

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

Note: Where financial support contributes to capacity-building and/or technology development and transfer objectives, information in shaded cells is automatically populated in relevant CTF on information on support for technology development and transfer provided under Article 10 of the Paris Agreement (table III.4) and/or information on capacity-building support provided under Article 11 of the Paris Agreement (table III.5).

^a Relevant information, in a tabular format, for the previous two reporting years without overlapping with the previous reporting periods, on financial support provided through multilateral channels.^b Parties fill in a separate table for each year, namely 20XX-3 and 20XX-2, where 20XX is the reporting year.^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.^d The face value and, on a voluntary basis, the grant-equivalent value.^e As applicable.^f This refers to support to multilateral institutions that Parties cannot specify as being climate-specific.^g As available.^h If "other", Parties should specify this information.ⁱ Parties report, to the extent possible, the different amounts per financial instrument, if applicable and as available.^j Region should be reported when data at country level are not available.^k This refers to funding for activities that have both mitigation and adaptation components. Parties report, to the extent possible, the different amounts of components, if applicable and as available.

^l Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.3

Information on financial support mobilized through public interventions under Article 9 of the Paris Agreement in 20XX-3^{a, b, c}

Exchange rate used: _____

Recipient ^c	Title of the project, programme, activity or other ^{c, d}	Channel	Amount mobilized ^{c, e}				Amount of resources used to mobilize the support ^c		Type of public intervention ^{c, f}			Subsector ^c	Additional information ^{c, i}
			Face value		Grant equivalent								
			Domestic currency	USD	Domestic currency	USD	Domestic currency	USD					
Country		Bilateral							Grant	Adaptation	Energy		
Region ^g		Regional							Concessional loan	Mitigation	Transport		
Global		Multilateral							Non-concessional loan	Cross-cutting ^h	Industry		
									Equity		Agriculture		
									Guarantee		Forestry		
									Insurance		Water and sanitation		
									Policy intervention				
									Capacity-building		Cross-cutting		
									Technology development and transfer		Other (specify) ^d		
									Technical assistance				
									Other (specify) ^d				

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

Note: Where financial support contributes to capacity-building and/or technology development and transfer objectives, information in shaded cells is automatically populated in relevant CTF on information on support for technology development and transfer provided under Article 10 of the Paris Agreement (table III.4) and/or information on capacity-building support provided under Article 11 of the Paris Agreement (table III.5).

^a Relevant information, in textual and/or tabular format, for the previous two reporting years without overlapping with the previous reporting periods, on financial support mobilized through public interventions through bilateral, regional and multilateral channels, including the operating entities of the Financial Mechanism and entities of the Technology Mechanism, as applicable and to the extent possible.

^b Parties fill in a separate table for each year, namely 20XX-3 and 20XX-2, where 20XX is the reporting year.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e The face value and, on a voluntary basis, the grant-equivalent value, if applicable.

^f Parties report, to the extent possible, the different amounts per financial instrument, if applicable and as available.

^g Region should be reported when data at country level are not available.

^h This refers to funding for activities that have both mitigation and adaptation components. Parties report, to the extent possible, the different amounts of components, if applicable and as available.

ⁱ Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.4

Information on support for technology development and transfer provided under Article 10 of the Paris Agreement^a

<i>Title^b</i>	<i>Recipient entity^b</i>	<i>Description and objectives^b</i>	<i>Type of support^b</i>	<i>Sector^b</i>	<i>Subsector^b</i>	<i>Type of technology^b</i>	<i>Status of measure or activity^b</i>	<i>Activity undertaken by^b</i>	<i>Additional information^e</i>
			Mitigation	Energy			Planned	Public sector	
			Adaptation	Transport			Ongoing	Private sector	
			Cross-cutting ^d	Industry			Completed	Public and private sector	
				Agriculture					
				Forestry					
				Water and sanitation					
				Cross-cutting					
				Other (specify) ^c					

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Quantitative and/or qualitative information in common tabular format on measures or activities related to support for technology development and transfer implemented or planned since their previous BTR, to the extent possible and as relevant.

^b Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^c If “other”, Parties should specify this information.

^d This refers to activities that have both mitigation and adaptation components.

^e Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.5

Information on capacity-building support provided under Article 11 of the Paris Agreement^a

<i>Title^b</i>	<i>Recipient entity^b</i>	<i>Description and objectives^b</i>	<i>Type of support^b</i>	<i>Status of measure or activity^b</i>	<i>Additional information^d</i>
			Adaptation	Planned	
			Mitigation	Ongoing	
			Cross-cutting ^c	Completed	

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Quantitative and/or qualitative information in common tabular format on measures or activities related to capacity-building support implemented or planned since their previous report, to the extent possible and as relevant.

^b Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^c This refers to activities that have both mitigation and adaptation components.

^d Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.6

Information on financial support needed by developing country Parties under Article 9 of the Paris Agreement^{a, b}

Exchange rate used: _____

Sector ^c	Subsector ^c	Title of activity, programme, project or other ^{c, d}	Programme/ project description ^c	Estimated amount (climate-specific) ^c		Expected time frame ^c	Expected financial instrument ^c	Type of support ^c	Contribution to technology development and transfer objectives ^c	Contribution to capacity-building objectives ^c	Whether the activity is anchored in a national strategy and/or an NDC ^c	Expected use, impact and estimated results ^c	Additional information ^f
				Domestic currency	USD								
Energy							Grant	Adaptation	Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No		
Transport							Concessional loan	Mitigation					
Industry							Non-concessional loan	Cross-cutting ^e					
Agriculture							Equity						
Forestry							Guarantee						
Water and sanitation							Insurance						
Cross-cutting							Other						
Other (specify) ^d							(specify) ^d						

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in a common tabular format, information on financial support needed, to the extent possible, as available and as applicable.

^b Parties include information on support needed from the reporting year of the BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e This refers to funding for activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.7

Information on financial support received by developing country Parties under Article 9 of the Paris Agreement^{a, b}

Exchange rate used: _____

Title of activity, programme, project or other ^{c, d}	Project description ^c	Channel ^c	Recipient entity ^c	Implementing entity ^c	Amount received (climate-specific) ^c		Time frame ^c	Financial instrument ^c	Status ^c	Type of support ^c	Sector ^c	Subsector ^c	Contribution to technology development and transfer objectives ^c	Contribution to capacity-building objectives ^c	Status of activity ^c	Use, impact and results ^c	Additional information ^f
					Domestic currency	USD											
		Multilateral						Grant	Committed	Adaptation	Energy		Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No	Planned		
		Bilateral						Concessional loan	Received	Mitigation	Transport				Ongoing		
		Regional						Non-concessional loan		Cross-cutting ^e	Industry				Completed		
		Other (specify) ^d						Equity			Agriculture						
								Guarantee			Forestry						
								Insurance			Water and sanitation						
								Other (specify) ^d			Cross-cutting						
											Other (specify) ^d						

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, information on financial support received, to the extent possible, as available and as applicable.

^b Parties include information on support received, ongoing or planned since the previous BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e This refers to funding for activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.8

Information on technology development and transfer support needed by developing country Parties under Article 10 of the Paris Agreement^{a, b}

<i>Sector^c</i>	<i>Subsector^c</i>	<i>Title of activity, programme, project or other^{c, d}</i>	<i>Programme/project description^c</i>	<i>Type of support^c</i>	<i>Type of technology^c</i>	<i>Expected time frame^c</i>	<i>Expected use, impact and estimated results^c</i>	<i>Additional information^f</i>
Energy				Mitigation				
Transport				Adaptation				
Industry				Cross-cutting ^e				
Agriculture								
Forestry								
Water and sanitation								
Cross-cutting								
Other (specify) ^d								

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in a common tabular format, information on technology development and transfer support needed, to the extent possible, as available and as applicable.

^b Parties include information on support needed from the reporting year of the BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e This refers to activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.9

Information on technology development and transfer support received by developing country Parties under Article 10 of the Paris Agreement^{a, b}

<i>Title of activity, programme, project or other^{c, d}</i>	<i>Programme/project description^c</i>	<i>Type of technology^c</i>	<i>Time frame^c</i>	<i>Recipient entity^c</i>	<i>Implementing entity^c</i>	<i>Type of support^c</i>	<i>Sector^c</i>	<i>Subsector^c</i>	<i>Status of activity^c</i>	<i>Use, impact and estimated results^c</i>	<i>Additional information^f</i>
						Mitigation	Energy		Planned		
						Adaptation	Transport		Ongoing		
						Cross-cutting ^e	Industry		Completed		
							Agriculture				
							Forestry				
							Water and sanitation				
							Cross-cutting				
							Other (specify) ^d				

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, information on technology development and transfer support received, to the extent possible, as available and as applicable.

^b Parties include information on support received, ongoing or planned since the previous BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e This refers to activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.10

Information on capacity-building support needed by developing country Parties under Article 11 of the Paris Agreement^{a, b}

<i>Sector^{c, d}</i>	<i>Subsector^c</i>	<i>Title of activity, programme, project or other^{c, d}</i>	<i>Programme/project description^c</i>	<i>Type of support^c</i>	<i>Expected time frame^b</i>	<i>Expected use, impact and estimated results^b</i>	<i>Additional information^f</i>
Energy				Mitigation			
Transport				Adaptation			
Industry				Cross-cutting ^e			
Agriculture							
Forestry							
Water and sanitation							
Cross-cutting							
Other (specify) ^d							

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, information on capacity-building support needed, to the extent possible, as available and as applicable.

^b Parties include information on support needed from the reporting year of the BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR

^d If “other”, Parties should specify this information.

^e This refers to activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.11

Information on capacity-building support received by developing country Parties under Article 11 of the Paris Agreement^{a, b}

<i>Title of activity, programme, project or other^{c, d}</i>	<i>Programme/project description^c</i>	<i>Time frame^c</i>	<i>Recipient entity^c</i>	<i>Implementing entity^c</i>	<i>Type of support^c</i>	<i>Sector^c</i>	<i>Subsector^c</i>	<i>Status of activity^c</i>	<i>Use, impact and estimated results^c</i>	<i>Additional information^f</i>
					Mitigation	Energy		Planned		
					Adaptation	Transport		Ongoing		
					Cross-cutting ^e	Industry		Completed		
						Agriculture				
						Forestry				
						Water and sanitation				
						Cross-cutting				
						Other (specify) ^d				

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, information on capacity-building support received, to the extent possible, as available and as applicable.

^b Parties include information on support received, ongoing or planned since the previous BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

^e This refers to activities that have both mitigation and adaptation components

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.12
Information on support needed by developing country Parties for the implementation of Article 13 of the Paris Agreement and transparency-related activities, including for transparency-related capacity-building^{a, b}

Exchange rate used: _____

Title of activity, programme, project or other ^{c, d}	Objectives and description ^c	Expected time frame ^c	Recipient entity ^c	Channel ^c	Amount ^c		Status of activity ^c	Expected use, impact and estimated results ^c	Additional information
					Domestic currency	USD			
				Multilateral			Planned		
				Bilateral			Ongoing		
				Regional			Completed		
				Other (specify) ^d					

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, summary information on support needed for implementing Article 13 and transparency-related activities, including for transparency-related capacity-building, to the extent possible and as applicable.

^b Parties include information on support needed from the reporting year of the BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If “other”, Parties should specify this information.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Table III.13

Information on support received by developing country Parties for the implementation of Article 13 of the Paris Agreement and transparency-related activities, including for transparency-related capacity-building^{a, b}

Exchange rate used: _____

Title of activity, programme, project or other ^{c, d}	Objectives and description ^c	Time frame ^c	Recipient entity ^c	Channel ^c	Amount ^c		Status of activity ^c	Use, impact and estimated results ^c	Additional information
					Domestic currency	USD			
				Multilateral			Planned		
				Bilateral			Ongoing		
				Regional			Completed		
				Other (specify) ^d					

Notation keys: NA = not applicable; UA = information not available at the time of reporting; NR = not reported (to indicate the voluntary character of the information).

^a Developing country Parties should provide, in common tabular format, summary information on support received for implementing Article 13 and transparency-related activities, including for transparency-related capacity-building, to the extent possible and as applicable.

^b Parties include information on support received, ongoing or planned since the previous BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR

^d If “other”, Parties should specify this information.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Annex IV***Outline of the biennial transparency report, pursuant to the modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement (annex to decision 18/CMA.1)¹**

[English only]

Overview chapter**I. National inventory report of anthropogenic emissions by sources and removals by sinks of greenhouse gases² (paras. 17–58 of the MPGs)³****II. Information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement (paras. 59–103 of the MPGs)⁴**

A. National circumstances and institutional arrangements (paras. 59–63 of the MPGs)

B. Description of a Party's nationally determined contribution under Article 4 of the Paris Agreement, including updates (para. 64 of the MPGs)

C. Information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement (paras. 65–79 of the MPGs)⁵

D. Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans, related to implementing and achieving a nationally determined contribution under Article 4 of the Paris Agreement (paras. 80–90 of the MPGs)

E. Summary of greenhouse gas emissions and removals (para. 91 of the MPGs)⁶

F. Projections of greenhouse gas emissions and removals, as applicable (paras. 92–102 of the MPGs)⁷

G. Other information (para. 103 of the MPGs)

III. Information related to climate change impacts and adaptation under Article 7 of the Paris Agreement⁸

A. National circumstances, institutional arrangements and legal frameworks (para. 106 of the MPGs)

* The [list of the acronyms and abbreviations](#) used in this annex can be found at the end of the document.

¹ Use of the outline by Parties is as per para. 2 of decision 5/CMA.3.

² Including common reporting tables and the national inventory document, pursuant to the annex to decision 18/CMA.1.

³ The applicable flexibility provisions for those developing country Parties that need them in the light of their capacities are set out in paras. 25, 29, 32, 34, 35, 48, 57 and 58 of the MPGs.

⁴ The applicable flexibility provisions for those developing country Parties that need them in the light of their capacities are set out in paras. 85, 92, 95 and 102 of the MPGs.

⁵ Pursuant to para. 77(d) of the annex to decision 18/CMA.1, such information is subject to relevant decisions adopted by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement on Article 6 of the Paris Agreement.

⁶ This only applies to Parties that submit a stand-alone national inventory report.

⁷ Those developing countries that need flexibility in the light of their capacities are encouraged to report these projections.

⁸ Information relevant to this chapter is outlined in paras. 13–14 of the MPGs, as applicable.

- B. Impacts, risks and vulnerabilities, as appropriate (para. 107 of the MPGs)
- C. Adaptation priorities and barriers (para. 108 of the MPGs)
- D. Adaptation strategies, policies, plans, goals and actions to integrate adaptation into national policies and strategies (para. 109 of the MPGs)
- E. Progress on implementation of adaptation (paras. 110–111 of the MPGs)
- F. Monitoring and evaluation of adaptation actions and processes (paras. 112–114 of the MPGs)
- G. Information related to averting, minimizing and addressing loss and damage associated with climate change impacts (para. 115 of the MPGs)
- H. Cooperation, good practices, experience and lessons learned (para. 116 of the MPGs)
- I. Any other information related to climate change impacts and adaptation under Article 7 of the Paris Agreement (para. 117 of the MPGs)⁹

IV. Information on financial, technology development and transfer and capacity-building support provided and mobilized under Articles 9–11 of the Paris Agreement

- A. National circumstances and institutional arrangements (paras. 119–120 of the MPGs)
- B. Underlying assumptions, definitions and methodologies (paras. 121–122 of the MPGs)
- C. Information on financial support provided and mobilized under Article 9 of the Paris Agreement (paras. 123–125 of the MPGs)
- D. Information on support for technology development and transfer provided under Article 10 of the Paris Agreement (paras. 126–127 of the MPGs)
- E. Information on capacity-building support provided under Article 11 of the Paris Agreement (paras. 128–129 of the MPGs)

V. Information on financial, technology development and transfer and capacity-building support needed and received under Articles 9–11 of the Paris Agreement

- A. National circumstances, institutional arrangements and country-driven strategies (para. 130 of the MPGs)
- B. Underlying assumptions, definitions and methodologies (para. 131 of the MPGs)
- C. Information on financial support needed by developing country Parties under Article 9 of the Paris Agreement (paras. 132–133 of the MPGs)
- D. Information on financial support received by developing country Parties under Article 9 of the Paris Agreement (para. 134 of the MPGs)
- E. Information on technology development and transfer support needed by developing country Parties under Article 10 of the Paris Agreement (paras. 135–136 of the MPGs)
- F. Information on technology development and transfer support received by developing country Parties under Article 10 of the Paris Agreement (paras. 137–138 of the MPGs)
- G. Information on capacity-building support needed by developing country Parties under Article 11 of the Paris Agreement (paras. 139–140 of the MPGs)

⁹ This information can also include clarification on the linkages between information related to climate change impacts and adaptation under Article 7 of the Paris Agreement reported in the biennial transparency report and that reported in the (optional) adaptation communication, if submitted.

H. Information on capacity-building support received by developing country Parties under Article 11 of the Paris Agreement (paras. 141–142 of the MPGs)

I. Information on support needed and received by developing country Parties for the implementation of Article 13 of the Paris Agreement and transparency-related activities, including for transparency-related capacity-building (paras. 143–145 of the MPGs)¹⁰

VI. Information to be reported when national communications and biennial transparency reports are submitted jointly every four years¹¹

A. Vulnerability assessment, climate change impacts and adaptation measures¹²

B. Research and systematic observation

C. Education, training and public awareness

VII. Information on flexibility¹³

Indication of (1) reporting provisions to which self-determined flexibility is applied, (2) capacity constraints in relation to the application of flexibility and (3) self-determined estimated time frames for improvements in relation to those capacity constraints (para. 6 of the MPGs)¹⁴

VIII. Improvements in reporting over time¹⁵

A. Areas of improvement identified by the Party and technical expert review team in relation to Party's implementation of Article 13 of the Paris Agreement (para. 7(a) of the MPGs)

B. How the Party is addressing or intends to address areas of improvement as referred to in paragraph 7(a) of the MPGs (para. 7(b) of the MPGs)

C. Areas of improvement that are related to the flexibility provisions used¹⁶ (para. 7(c) of the MPGs)

D. Reporting-related capacity-building support needs identified, including those referred to in chapter VI above and any progress made, including those previously identified as part of the technical expert review in chapter VII of the MPGs (para. 7(d) of the MPGs)

E. Parties' domestic plans and priorities with regard to improved reporting pursuant to paragraph 7 of the MPGs are not subject to technical expert review, but the information may inform discussions on areas of improvement and identification of capacity-building needs between the technical expert review team and the Party concerned (para. 8 of the MPGs)

¹⁰ Parties may wish to report information on support needed for implementing the enhanced transparency framework and for capacity-building in a separate chapter of the biennial transparency report as per para. 2 of decision 5/CMA.3.

¹¹ As per decision 1/CP.24, para. 43.

¹² This chapter is not necessary if relevant information is reported in section IV of the biennial transparency report.

¹³ Applicable only to developing country Parties that need flexibility in the light of their capacities.

¹⁴ Developing country Parties that need flexibility in the light of their national capacities may elect to report information on the specific flexibility provisions applied in the overview chapter of the biennial transparency report and/or integrate this information into the chapters relevant to where specific flexibility provisions have been applied. Parties may also elect to include on a voluntary basis a summary table on the specific flexibility provisions applied.

¹⁵ All Parties may report information on areas of improvement in relation to their reporting, pursuant to chaps. III–VI of the MPGs, in this chapter and/or in chapters relevant to where specific areas of improvement have been identified.

¹⁶ Those developing country Parties that need flexibility in the light of their capacities are encouraged to highlight the areas of improvement that are related to their flexibility provisions.

IX. Any other information the Party considers relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in its biennial transparency report

Annexes as outlined in the annex to decision 18/CMA.1

Annex I: Technical annexes for REDD+,¹⁷ as applicable

Annex II: Common reporting tables for the electronic reporting of the national inventory report of anthropogenic emissions by sources and removals by sinks of greenhouse gases

Annex III: Common tabular formats for the electronic reporting of:

- Information necessary to track progress in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement
- Information on financial, technology development and transfer and capacity-building support provided and mobilized under Articles 9–11 of the Paris Agreement
- Information on financial, technology development and transfer and capacity-building support needed and received under Articles 9–11 of the Paris Agreement

Annex IV: Information in relation to the Party's participation in cooperative approaches, as applicable¹⁸

¹⁷ Reducing emissions from deforestation; reducing emissions from forest degradation; conservation of forest carbon stocks; sustainable management of forests; and enhancement of forest carbon stocks (decision 1/CP.16, para. 70).

¹⁸ Guided by the outcome of decision 2/CMA.3.

Annex V*

Outline of the national inventory document, pursuant to the modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement¹

[English only]

EXECUTIVE SUMMARY

ES.1. Background information on GHG inventories and climate change (e.g. as it pertains to the national context)

ES.2. Summary of trends related to national emissions and removals

ES.3. Overview of source and sink category emission estimates and trends

ES.4. Other information (e.g. indirect GHGs, precursor gases)

ES.5. Key category analysis (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 25 of the MPGs)

ES.6. Improvements introduced (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 1: National circumstances, institutional arrangements and cross-cutting information

1.1. Background information on GHG inventories and climate change (e.g. as it pertains to the national context, to provide information to the general public)

1.2. A description of national circumstances and institutional arrangements

1.2.1. National entity or national focal point

1.2.2. Inventory preparation process

1.2.3. Archiving of information

1.2.4. Processes for official consideration and approval of inventory

1.3. Brief general description of methodologies (including tiers used) and data sources used

1.4. Brief description of key categories (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 25 of the MPGs)

1.5. Brief general description of QA/QC plan and implementation (related to non-mandatory provisions as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

1.6. General uncertainty assessment, including data pertaining to the overall uncertainty of inventory totals (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

* The [list of the acronyms and abbreviations](#) used in this annex can be found at the end of the document.

¹ Use of the outline by Parties is as per para. 2 of decision 5/CMA.3.

1.7. General assessment of completeness (related to a non-mandatory provision as per para. 30 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 32 of the MPGs)

1.7.1. Information on completeness (including information on non-reported categories or any methodological or data gaps in the inventory) (related to a non-mandatory provision as per para. 30 of the MPGs)

1.7.2. Description of insignificant categories, if applicable (related to a non-mandatory provision as per para. 32 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 32 of the MPGs)

1.7.3. Total aggregate emissions considered insignificant, if applicable (related to a non-mandatory provision as per para. 32 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 32 of the MPGs)

1.8. Metrics (related to a non-mandatory provision as per para. 37 of the MPGs)

1.9. Summary of any flexibility applied (i.e. by developing country Parties that need it in the light of their capacities as per paras. 4–6 of the MPGs)²

Chapter 2: Trends in greenhouse gas emissions and removals

2.1. Description of emission and removal trends for aggregated GHG emissions and removals

2.2. Description of emission and removal trends by sector and by gas

Chapter 3: Energy (CRT sector 1)³

3.1. Overview of the sector (e.g. quantitative overview and description, including trends and methodological tiers by category) and background information

3.2. Fuel combustion (CRT 1.A), including detailed information on:

3.2.1. Comparison of the sectoral approach with the reference approach (related to a non-mandatory provision as per para. 36 of the MPGs)

3.2.2. International bunker fuels (related to a non-mandatory provision as per para. 53 of the MPGs)

3.2.3. Feedstocks and non-energy use of fuels (related to a non-mandatory provision as per para. 54 of the MPGs)

3.2.4. Category (CRT category number)

3.2.4.1. Category description (e.g. characteristics of sources)

3.2.4.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their

² Developing country Parties that need flexibility in the light of their national capacities may elect either to report the information on specific flexibility provisions applied in a separate chapter and/or to integrate this information into sectoral chapters relevant to where specific flexibility provisions have been applied. Parties may also elect to include on a voluntary basis a summary table on the specific flexibility provisions applied.

³ Parties may elect to use the disaggregated outline presented below or the generic, less detailed sector outline presented for other sectors.

selection, information on carbon dioxide capture, any specific methodological issues (e.g. description of national methods and models))

3.2.4.3. Description of any flexibility applied (i.e. by those developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁴

3.2.4.4. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

3.2.4.5. Category-specific QA/QC and verification, if applicable (related to non-mandatory provisions as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

3.2.4.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

3.2.4.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

3.3. Fugitive emissions from solid fuels and oil and natural gas and other emissions from energy production (CRT 1.B)

3.4. Category (CRT category number)

3.4.1. Category description (e.g. characteristics of sources)

3.4.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

3.4.3. Description of any flexibility applied (i.e. by those developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁵

3.4.4. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

3.4.5. Category-specific QA/QC and verification, if applicable (related to non-mandatory provisions as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

3.4.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

3.4.7. Category-specific planned improvements, if applicable (e.g. methodologies,

⁴ As footnote 2 above.

⁵ As footnote 2 above.

activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

3.5. Carbon dioxide transport and storage (CRT 1.C)

3.6. Category (CRT category number)

3.6.1. Category description (e.g. characteristics of sources)

3.6.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

3.6.3. Description of any flexibility applied (i.e. by those developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁶

3.6.4. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

3.6.5. Category-specific QA/QC and verification, if applicable (related to non-mandatory provisions as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

3.6.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

3.6.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 4: Industrial processes and product use (CRT sector 2)

4.1. Overview of the sector (e.g. quantitative overview and description, including trends and methodological tiers by category) and background information

4.2. Category (CRT category number)

4.2.1. Category description (e.g. characteristics of sources)

4.2.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their selection, information on carbon dioxide capture, any specific methodological issues (e.g. description of national methods and models))

4.2.3. Description of any flexibility applied (i.e. by developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁷

4.2.4. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of

⁶ As footnote 2 above.

⁷ As footnote 2 above.

the MPGs)

4.2.5. Category-specific QA/QC and verification, if applicable (related to non-mandatory provisions as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

4.2.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

4.2.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 5: Agriculture (CRT sector 3)

5.1. Overview of the sector (e.g. quantitative overview and description, including trends and methodological tiers by category) and background information

5.2. Category (CRT category number)

5.2.1. Category description (e.g. characteristics of sources)

5.2.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission and removal estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

5.2.3. Description of any flexibility applied (i.e. by those developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁸

5.2.4. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

5.2.5. Category-specific QA/QC and verification, if applicable (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

5.2.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

5.2.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 6: Land use, land-use change and forestry (CRT sector 4)

6.1. Overview of the sector (e.g. quantitative overview and description, including trends and methodological tiers by category, and coverage of pools) and background information

⁸ As footnote 2 above.

6.2. Land-use definitions and the land representation approach(es) used and their correspondence to the land use, land-use change and forestry categories (e.g. land use and land-use change matrix)

6.3. Country-specific approaches

6.3.1. Information on approaches used for representing land areas and on land-use databases used for the inventory preparation

6.3.2. Information on approaches used for natural disturbances, if applicable

6.3.3. Information on approaches used for reporting harvested wood products

6.4. Category (CRT category number)

6.4.1. Description (e.g. characteristics of category)

6.4.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission and removal estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

6.4.3. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

6.4.4. Description of any flexibility applied (i.e. by developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)⁹

6.4.5. Category-specific QA/QC and verification, if applicable (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

6.4.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

6.4.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including those in response to the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 7: Waste (CRT sector 5)

7.1. Overview of the sector (e.g. quantitative overview and description, including trends and methodological tiers by category) and background information

7.2. Category (CRT category number)

7.2.1. Category description (e.g. characteristics of sources)

7.2.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

7.2.3. Uncertainty assessment and time-series consistency (flexibility provided to

⁹ As footnote 2 above.

those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

7.2.4. Description of any flexibility applied (i.e. by developing country Parties that need flexibility in the light of their capacities as per paras. 4–6 of the MPGs)¹⁰

7.2.5. Category-specific QA/QC and verification, if applicable (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

7.2.6. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process

7.2.7. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including those in response to the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 8: Other (CRT sector 6) (if applicable)

Chapter 9: Indirect carbon dioxide and nitrous oxide emissions (related to non-mandatory provisions as per para. 52 of the MPGs)

9.1. Description of sources of indirect emissions in the GHG inventory

9.2. Methodological issues (e.g. choice of methods/activity data/emission factors and activity data and emission factors used, assumptions, parameters and conventions underlying the emission estimates and the rationale for their selection, any specific methodological issues (e.g. description of national methods and models))

9.3. Uncertainty assessment and time-series consistency (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

9.4. Category-specific QA/QC and verification, if applicable (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

9.5. Category-specific recalculations, if applicable, including explanatory information and justifications for recalculations, changes made in response to the review process and impacts on emission trends

9.6. Category-specific planned improvements, if applicable (e.g. methodologies, activity data, emission factors), including tracking of those identified in the review process (related to a non-mandatory provision as per para. 7 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 7(c) of the MPGs)

Chapter 10: Recalculations and improvements

10.1. Explanations and justifications for recalculations, including in response to the review process

¹⁰ As footnote 2 above.

10.2. Implications for emission and removal levels

10.3. Implications for emission and removal trends, including time-series consistency

10.4. Areas of improvement and/or capacity-building in response to the review process (related to non-mandatory provisions as per para. 7(a) and (d) of the MPGs)

10.5. Areas of improvement and/or capacity-building related to the flexibility provisions applied with self-determined estimated time frames for improvements (related to non-mandatory provisions as per para. 7(c–d) of the MPGs)

Annexes to the national inventory document

Annex I: Key categories (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 25 of the MPGs)

- Description of the approach used for identifying key categories, if different from the IPCC tier 1 approach
- Information on the level of disaggregation
- Tables 4.2–4.3 of volume 1 of the *2006 IPCC Guidelines for National Greenhouse Gas Inventories*, including and excluding LULUCF

Annex II: Uncertainty assessment (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)

- Description of methodology used for identifying uncertainties
- Table 3.3 of volume 1 of the *2006 IPCC Guidelines for National Greenhouse Gas Inventories*

Annex III: Detailed description of the reference approach (including inputs to the reference approach such as the national energy balance) and the results of the comparison of national estimates of emissions with those obtained using the reference approach (related to a non-mandatory provision as per para. 36 of the MPGs)

Annex IV: QA/QC plan (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)

Annex V: Any additional information, as applicable, including detailed methodological descriptions of source or sink categories and the national emission balance

Annex VI: Common reporting tables

References

Annex VI***Outline of the technical expert review report, pursuant to the modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement**

[English only]

Abbreviations and acronyms**I. Introduction and summary**

- A. Introduction
- B. Scope
- C. Summary
- D. Information provided by the Party in regard to decision 18/CMA.1, annex, paragraphs 143–145

II. Technical review of the information reported (para. 187 of the MPGs)

- A. A review of the consistency of the information submitted by the Party under Article 13, paragraphs 7 and 9, of the Paris Agreement with the MPGs, taking into account the flexibility accorded to the Party under Article 13, paragraph 2, of the Paris Agreement (para. 146(a) of the MPGs)
 - 1. National inventory of anthropogenic emissions by sources and removals by sinks of greenhouse gases (para. 150(a) of the MPGs)
 - 2. Information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement (para. 150(b) of the MPGs)
 - 3. Information on financial, technology development and transfer and capacity-building support provided under Articles 9–11 of the Paris Agreement (para. 150(c) of the MPGs)¹
- B. Consideration of the Party's implementation and achievement of its nationally determined contribution under Article 4 of the Paris Agreement (para. 146(b) of the MPGs)
- C. Consideration of the Party's support provided, as relevant (para. 146(c) of the MPGs)
- D. Identification of areas of improvement for the Party related to implementation of Article 13 of the Paris Agreement (para. 146(d) of the MPGs)
- E. For those developing country Parties that need it in the light of their capacities, assistance in identifying capacity-building needs (para. 146(e) of the MPGs)
- F. Possible linkages with information relating to Article 6 of the Paris Agreement²

III. Conclusions and recommendations³**Annex**

Documents and information used during the review

* The [list of the acronyms and abbreviations](#) used in this annex can be found at the end of the document.

¹ Information submitted by other Parties that provide support, as referred to in Article 9, para. 2, of the Paris Agreement, may undergo a technical expert review at the Party's discretion.

² Guided by the outcome of decision 2/CMA.3.

³ The chapter of conclusions and recommendations could include information on recommendations identified by the technical expert review teams in the previous reviews that the Party has not addressed.

Annex VII*

Training programme for technical experts participating in the technical expert review of biennial transparency reports

[English only]

A. General

1. The aim of the courses forming part of the training programme is to train technical experts participating in the technical expert review under the enhanced transparency framework under the Paris Agreement.
2. The courses incorporate the corresponding provisions in the MPGs relating to flexibility.

B. Availability

3. The training programme will be available to experts included on the UNFCCC roster of experts.
4. All courses will be available online all year round, with an option to download them.

C. Examinations

5. All courses will have an examination.
6. Examination procedures will be standardized, objective and transparent.
7. Examinations will be offered either online or in person. When participants attend an in-person training seminar, the examination may take place during that seminar. Other arrangements for examinations may also be made, provided that the examinations take place under the supervision of the secretariat.
8. Experts who have already participated in training programmes and related technical reviews under the measurement, reporting and verification arrangements under the Convention do not need to take examinations for courses under the training programme for technical experts participating in the technical expert review of BTRs that cover the same information as courses taken previously, taking into account their knowledge and experience.

D. Instructed courses

9. Once a year, online training courses facilitated by instructor(s) will be available. In-person training seminars will also be available. Additional regional training seminars targeted at technical experts from developing country Parties, particularly the least developed countries and small island developing States, may be organized.

E. Courses of the training programme

10. The following courses relating to information specified in paragraph 150 of the MPGs will be developed:
 - (a) General and cross-cutting aspects for the technical expert review under the enhanced transparency framework under the Paris Agreement (this course should take into account, inter alia, para. 149 of the MPGs);

* The [list of the acronyms and abbreviations](#) used in this annex can be found at the end of the document.

(b) Technical review of national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases, reported in accordance with chapter II of the annex to decision 18/CMA.1:

- (i) General guidance and cross-cutting issues;
- (ii) Courses pertaining to the greenhouse gas inventory sectors referred to in the MPGs:
 - a. Energy;
 - b. Industrial processes and product use;
 - c. Agriculture;
 - d. Land use, land-use change and forestry;
 - e. Waste;

(c) Technical review of the information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement reported in accordance with chapter III of the annex to decision 18/CMA.1 (including the information necessary to track progress on the implementation and achievement of the domestic policies and measures implemented to address the social and economic consequences of response measures for nationally determined contributions that consist of adaptation actions and/or economic diversification plans resulting in mitigation co-benefits, and also including information in relation to a Party's participation in cooperative approaches, as applicable);

(d) Technical review of the information on financial, technology development and transfer and capacity-building support provided to developing country Parties under Articles 9–11 of the Paris Agreement reported in accordance with chapter V of the annex to decision 18/CMA.1.

Abbreviations and acronyms

BTR	biennial transparency report
CH ₄	methane
CMA	Conference of the Parties serving as the meeting of the Parties to the Paris Agreement
CO ₂	carbon dioxide
CO ₂ eq	carbon dioxide equivalent
CRT	common reporting table
CTF	common tabular format
GHG	greenhouse gas
HFC	hydrofluorocarbon
IPCC	Intergovernmental Panel on Climate Change
ITMO	internationally transferred mitigation outcome
LULUCF	land use, land-use change and forestry
MPGs	modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement
N ₂ O	nitrous oxide
NDC	nationally determined contribution
NF ₃	nitrogen trifluoride
ODA	official development assistance
OOF	other official flows
PFC	perfluorocarbon
QA/QC	quality assurance/quality control
REDD+	reducing emissions from deforestation; reducing emissions from forest degradation; conservation of forest carbon stocks; sustainable management of forests; and enhancement of forest carbon stocks (decision 1/CP.16, para. 70)
SF ₆	sulfur hexafluoride

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