



United Nations

FCCC/SBSTA/2017/INF.7



Framework Convention on  
Climate Change

Distr.: General  
27 October 2017

English only

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## Subsidiary Body for Scientific and Technological Advice

Forty-seventh session

Bonn, 6–15 November 2017

Item 14(c) of the provisional agenda

### Reports on other activities

**Annual report on the technical review of greenhouse gas inventories and other information reported by Parties included in Annex I, as defined in Article 1, paragraph 7, of the Kyoto Protocol**

## **Technical review of greenhouse gas inventories and other information reported by Parties included in Annex I, as defined in Article 1, paragraph 7, of the Kyoto Protocol**

### **Annual report by the secretariat**

#### *Summary*

This document provides information on the status of submission and review of the annual information required under Article 7, paragraph 1, of the Kyoto Protocol, including greenhouse gas inventories and supplementary information, and review activities during the 2016 and 2017 review cycles, including the review upon expiration of the additional period for fulfilling commitments of Parties included in Annex I for the first commitment period of the Kyoto Protocol and the review of the reports to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol. It also provides information on review training activities for experts participating in annual reviews under Article 8 of the Kyoto Protocol. Finally, it reports on the information submitted by Parties on the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol.

GE.17-19027(E)



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## I. Introduction

### A. Mandate

1. The Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP), by decision 22/CMP.1, annex, paragraph 35, stated that the secretariat is to prepare an annual report to the Subsidiary Body for Scientific and Technological Advice (SBSTA) on the composition of the expert review teams (ERTs) participating in the review of the information submitted under Article 7, paragraph 1, of the Kyoto Protocol, including the selection of experts for the review teams and the lead reviewers.<sup>1</sup> The CMP, in paragraph 40(a) of the annex to the same decision, stated that the lead reviewers of greenhouse gas (GHG) inventory reviews collectively are to prepare an annual report to the SBSTA with suggestions on how to improve the review process.

2. The CMP requested the secretariat to include in its report information on the training programme for members of ERTs participating in annual reviews under Article 8 of the Kyoto Protocol, in particular information on examination procedures and the selection of trainees and instructors, in order for Parties to assess the effectiveness of the programme.<sup>2</sup>

3. Finally, the CMP, by decision 15/CMP.1, annex, paragraph 26, stated that the secretariat is to annually compile information submitted by Parties on the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol.

### B. Scope of the note

4. This document provides information on:

(a) The status of submission of the annual information required from Parties included in Annex I under Article 7, paragraph 1, of the Kyoto Protocol and the review of that information, including the GHG inventories of those Parties; the review upon expiration of the additional period for fulfilling commitments of Parties included in Annex I for the first commitment period of the Kyoto Protocol; and the review of the reports to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol (chapter II);

(b) The selection of experts and lead reviewers for the review process and their participation in this process (chapter III);

(c) The annual report to the SBSTA prepared by the lead reviewers in accordance with decision 22/CMP.1 in conjunction with decision 4/CMP.11, including their conclusions and recommendations on how to improve the review process (chapter IV);

(d) The training programme for members of ERTs participating in annual reviews under Article 8 of the Kyoto Protocol (chapter V);

(e) The minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol, as required by decision 15/CMP.1 (chapter VI).

5. In accordance with the “Guidelines for review under Article 8 of the Kyoto Protocol”, the review under the Kyoto Protocol encompasses the existing review under the Convention. The lessons learned and problems encountered in the review process under the Convention and under the Kyoto Protocol have many common elements. This document focuses on the elements of the review process that are specific to the Kyoto Protocol and

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<sup>1</sup> Information on the composition of the ERTs participating in the review of the information submitted under Article 7, paragraph 2, of the Kyoto Protocol can be found in document FCCC/SBSTA/2017/INF.4.

<sup>2</sup> Decision 5/CMP.11, paragraph 3.

should be read in conjunction with the annual report on the technical review of GHG inventories from Parties included in Annex I to the Convention.<sup>3</sup>

### **C. Possible action by the Subsidiary Body for Scientific and Technological Advice**

6. The SBSTA will be invited to take note of this report.

## **II. Submission and review of information from Parties included in Annex I**

### **A. Review upon expiration of the additional period for fulfilling commitments of Parties included in Annex I for the first commitment period of the Kyoto Protocol**

7. The additional period for fulfilling commitments of Parties included in Annex I for the first commitment period of the Kyoto Protocol (true-up period) ended on 18 November 2015 on the basis of the dates referred to in decision 3/CMP.10. In accordance with decision 13/CMP.1, annex, paragraph 49, upon expiration of the true-up period, Parties included in Annex I submitted their true-up period reports for the first commitment period by 2 January 2016.<sup>4, 5</sup>

8. The review of all the reports referred to in paragraph 7 above took place from 8 to 12 February 2016.<sup>6</sup> The reviews were conducted through three simultaneous centralized reviews held in Bonn, Germany, and covering all 37 Parties included in Annex I with a quantified emission limitation or reduction commitment inscribed in Annex B to the Kyoto Protocol for the first commitment period.<sup>7</sup>

9. Questions of implementation were raised by the ERT in relation to only one Party (Ukraine) and these were forwarded to the Compliance Committee for further resolution in accordance with the procedures set out in decision 27/CMP.1. These questions of implementation were considered by the enforcement branch of the Compliance Committee in accordance with decision 27/CMP.1.<sup>8</sup>

10. On the recommendation of the Compliance Committee,<sup>9</sup> CMP 12 encouraged the efforts of Ukraine to formally demonstrate its compliance with its commitment under Article 3, paragraph 1, of the Kyoto Protocol for the first commitment period referred to in the report of the Compliance Committee and requested the secretariat to make, on an exceptional basis, the necessary arrangements to enable Ukraine to do so by the time of

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<sup>3</sup> FCCC/SBSTA/2017/INF.8.

<sup>4</sup> Decision 3/CMP.10, paragraph 3, established this deadline (no later than 45 days after the expiration of the true-up period).

<sup>5</sup> For more information about these reports and their review, refer to document FCCC/SBSTA/2016/INF.12, paragraphs 7–14.

<sup>6</sup> More information on the review upon expiration of the true-up period is available at <http://unfccc.int/9023>.

<sup>7</sup> Although Belarus, Cyprus, Kazakhstan, Malta and Turkey are considered Parties included in Annex I for the purpose of the Kyoto Protocol, they do not have quantified emission limitation or reduction commitments inscribed in Annex B to the Kyoto Protocol for the first commitment period. (Belarus is a Party included in Annex I and its quantified emission limitation or reduction commitment (92 per cent) was established through an amendment to Annex B to the Kyoto Protocol (decision 10/CMP.2). At the time of publication of this report, the amendment had not yet been ratified by a sufficient number of Parties to allow its entry into force.)

<sup>8</sup> The final decision of the enforcement branch of the Compliance Committee is included in Compliance Committee document CC-2016-1-6/Ukraine/EB, available at [http://unfccc.int/files/kyoto\\_protocol/compliance/questions\\_of\\_implementation/application/pdf/cc-2016-1-6\\_ukraine\\_eb\\_final\\_decision.pdf](http://unfccc.int/files/kyoto_protocol/compliance/questions_of_implementation/application/pdf/cc-2016-1-6_ukraine_eb_final_decision.pdf).

<sup>9</sup> FCCC/KP/CMP/2016/3, paragraph 4(b).

CMP 13, taking into account the recommendations set out in chapter III.B of the annual report of the Compliance Committee.<sup>10</sup>

11. Following the request of the CMP, Ukraine, with the assistance of the secretariat, undertook the necessary steps to retire and cancel its first commitment period units in June 2017. It resubmitted its true-up period report on 4 July 2017.<sup>11</sup> The review of the resubmitted true-up period report of Ukraine took place from 24 to 28 July 2017 and the report on the review was published on 10 August 2017.<sup>12</sup> No questions of implementation were raised in the report. The review report was forwarded to the Compliance Committee on 15 August 2017.

## B. Annual submissions for 2017

12. The annual inventory submission under the Convention and its Kyoto Protocol comprises the national inventory report and the common reporting format tables. In addition, Parties included in Annex I must submit supplementary information under Article 7, paragraph 1, of the Kyoto Protocol. The due date of the annual submission is 15 April. Submissions made by Parties after the due date can delay the review process, making the preparation of the review tools to support the review process more difficult, and the GHG inventory data of such Parties may not be included in the reports prepared by the secretariat.

13. As at 20 October 2017, the secretariat had received 42 submissions from Parties included in Annex I (see table 1). Most of these submissions contain tables with accounting units prepared in the standard electronic format (SEF), which are part of the supplementary information under Article 7, paragraph 1, of the Kyoto Protocol: 32 Parties submitted SEF tables for the first commitment period and 36 Parties for the second commitment period.

14. Status reports for all 42 submissions were prepared and published on the UNFCCC website<sup>13</sup> and forwarded to the Compliance Committee. The secretariat coordinated individual reviews of only 21 of the submissions referred to in paragraph 13 above, owing to there being insufficient resources from the core budget of the secretariat to organize the 2017 review cycle fully in accordance with relevant mandates, while the available support in terms of supplementary funding, as at 31 May 2017 (the latest date for the start of the preparations), was not at a level to make up for the lack of resources in the core budget.<sup>14, 15</sup> Six of the individual reviews were organized as in-country reviews and took place between 28 August and 23 September 2017, 11 as 3 centralized reviews (in Bonn between 11 and 30 September 2017) and 4 as 2 desk reviews (between 28 August and 9 September 2017). The reports on these reviews are in preparation.

Table 1

### Submission of the annual information required under the Kyoto Protocol in 2017

| Party included in<br>Annex I | Original submission dates |               |              |               |
|------------------------------|---------------------------|---------------|--------------|---------------|
|                              | NIR                       | CRF tables    | SEF-CP1      | SEF-CP2       |
| Australia                    | 27 May 2017               | 27 May 2017   | 27 May 2017  | 27 May 2017   |
| Austria                      | 12 April 2017             | 12 April 2017 | 12 April 201 | 12 April 2017 |

<sup>10</sup> FCCC/KP/CMP/2016/8, paragraph 50.

<sup>11</sup> Compliance Committee document CC-2016-1-11/Ukraine/EB. Available at [http://unfccc.int/files/kyoto\\_mechanisms/compliance/application/pdf/cc\\_2016\\_1\\_11\\_ukr\\_eb.pdf](http://unfccc.int/files/kyoto_mechanisms/compliance/application/pdf/cc_2016_1_11_ukr_eb.pdf).

<sup>12</sup> Compliance Committee document CC-2016-1-12/Ukraine/EB. Available at [http://unfccc.int/files/kyoto\\_mechanisms/compliance/application/pdf/cc\\_2016\\_1\\_12\\_ukr\\_eb.pdf](http://unfccc.int/files/kyoto_mechanisms/compliance/application/pdf/cc_2016_1_12_ukr_eb.pdf).

<sup>13</sup> <http://unfccc.int/10116>.

<sup>14</sup> Canada's 2017 GHG inventory submission was also reviewed but Canada is not a Party to the Kyoto Protocol.

<sup>15</sup> For more information about the financial circumstances, see document FCCC/SBSTA/2017/INF.8, annex, paragraphs 3–8.

| <i>Party included in Annex I</i> | <i>Original submission dates</i> |                          |                |                   |
|----------------------------------|----------------------------------|--------------------------|----------------|-------------------|
|                                  | <i>NIR</i>                       | <i>CRF tables</i>        | <i>SEF-CP1</i> | <i>SEF-CP2</i>    |
| Belarus                          | 1 June 2017 <sup>a</sup>         | 1 June 2017 <sup>a</sup> |                |                   |
| Belgium                          | 13 April 2017                    | 11 April 2017            | 13 April 2017  | 13 April 2017     |
| Bulgaria                         | 12 April 2017                    | 11 April 2017            | 2 May 2017     | 14 April 2017     |
| Croatia                          | 13 April 2017                    | 12 April 2017            | 12 April 2017  | 12 June 2017      |
| Cyprus                           | 8 May 2017                       | 8 May 2017               |                | 5 September 2017  |
| Czechia                          | 12 April 2017                    | 13 April 2017            | 18 May 2017    | 12 April 2017     |
| Denmark                          | 13 April 2017                    | 10 April 2017            | 11 April 2017  | 11 April 2017     |
| Estonia                          | 12 April 2017                    | 13 April 2017            | 13 April 2017  | 25 April 2017     |
| European Union                   | 14 April 2017                    | 14 April 2017            |                | 10 April 2017     |
| Finland                          | 11 April 2017                    | 11 April 2017            | 20 March 2017  | 20 March 2017     |
| France                           | 8 April 2017                     | 13 April 2017            | 1 June 2017    | 13 April 2017     |
| Germany                          | 13 April 2017                    | 11 April 2017            | 2 May 2017     | 13 April 2017     |
| Greece                           | 11 April 2017                    | 11 April 2017            |                | 15 May 2017       |
| Hungary                          | 15 April 2017                    | 15 April 2017            | 4 May 2017     | 15 April 2017     |
| Iceland                          | 12 April 2017                    | 13 April 2017            | 14 April 2017  | 24 April 2017     |
| Ireland                          | 14 April 2017                    | 12 April 2017            | 3 May 2017     | 14 April 2017     |
| Italy                            | 12 April 2017                    | 11 April 2017            | 15 May 2017    | 12 April 2017     |
| Japan                            | 13 April 2017                    | 13 April 2017            | 26 April 2017  | 26 April 2017     |
| Kazakhstan                       | 4 July 2017                      | 14 April 2017            |                |                   |
| Latvia                           | 13 April 2017                    | 13 April 2017            | 13 April 2017  | 13 April 2017     |
| Liechtenstein                    | 13 April 2017                    | 27 March 2017            | 13 April 2017  | 24 April 2017     |
| Lithuania                        | 14 April 2017                    | 14 April 2017            | 12 April 2017  | 12 April 2017     |
| Luxembourg                       | 6 April 2017                     | 6 April 2017             | 15 May 2017    | 26 April 2017     |
| Malta                            | 29 May 2017                      | 8 May 2017               |                |                   |
| Monaco                           | 20 September 2017                | 20 April 2017            |                | 22 September 2017 |
| Netherlands                      | 14 April 2017                    | 14 April 2017            |                | 14 April 2017     |
| New Zealand                      | 26 May 2017                      | 26 May 2017              | 26 May 2017    | 26 May 2017       |
| Norway                           | 7 April 2017                     | 7 April 2017             | 7 April 2017   | 7 April 2017      |
| Poland                           | 13 April 2017                    | 13 April 2017            | 13 April 2017  | 13 April 2017     |
| Portugal                         | 13 April 2017                    | 12 April 2017            | 11 April 2017  | 11 April 2017     |
| Romania                          | 14 April 2017                    | 14 April 2017            | 30 June 2017   | 14 April 2017     |
| Russian Federation               | 25 July 2017                     | 14 April 2017            |                |                   |
| Slovakia                         | 11 April 2017                    | 11 April 2017            | 11 April 2017  | 11 April 2017     |

| Party included in Annex I                            | Original submission dates  |                            |               |                  |
|--|----------------------------|----------------------------|---------------|------------------|
|  | NIR                        | CRF tables                 | SEF-CP1       | SEF-CP2          |
| Slovenia   | 14 April 2017              | 12 April 2017              | 6 April 2017  | 6 April 2017     |
| Spain  | 12 April 2017              | 12 April 2017              | 23 May 2017   | 12 April 2017    |
| Sweden   | 12 April 2017              | 12 April 2017              | 17 May 2017   | 12 April 2017    |
| Switzerland  | 13 April 2017              | 13 April 2017              | 19 April 2017 | 19 April 2017    |
| Turkey <sup>b</sup>                                  | 15 April 2017 <sup>a</sup> | 14 April 2016 <sup>a</sup> |               |                  |
| Ukraine  | 24 May 2017                | 24 May 2017                | 21 July 2017  | 6 September 2017 |
| United Kingdom of Great Britain and Northern Ireland | 13 April 2017              | 14 April 2017              | 23 May 2017   | 13 April 2017    |

*Note:* Blank cells indicate that no submission had been received as at 26 September 2017. Once these submissions have been made, they will be made available on the UNFCCC website at <http://unfccc.int/9492>.

*Abbreviations:* CRF = common reporting format, NIR = national inventory report, Party included in Annex I = Party included in Annex I as defined in Article 1, paragraph 7, of the Kyoto Protocol, SEF-CP1 = standard electronic format for the first commitment period of the Kyoto Protocol, SEF-CP2 = standard electronic format for the second commitment period of the Kyoto Protocol.

<sup>a</sup> The submission was made under the Convention only.

<sup>b</sup> Although Turkey is considered to be a Party included in Annex I for the purpose of the Kyoto Protocol, in the absence of commitments under Article 3 of the Kyoto Protocol for the second commitment period, its reporting obligations under Article 7, paragraph 1, of the Kyoto Protocol do not appear to be triggered in relation to that period.

### C. Review of the reports to facilitate the calculation of the assigned amount for the second commitment period

15. CMP 8 decided that each Party with a quantified emission limitation or reduction commitment inscribed in the third column of Annex B to the Kyoto Protocol, as contained in annex I to decision 1/CMP.8, was to submit to the secretariat by 15 April 2015 a report to facilitate the calculation of its assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Kyoto Protocol for the second commitment period and to demonstrate its capacity to account for its emissions and assigned amount.<sup>16</sup>

16. As at 21 September 2016, the secretariat had received 36 of the reports referred to in paragraph 15 above. The secretariat organized the reviews of these reports in conjunction with the reviews of the 2016 annual submissions, as requested by the CMP.<sup>17</sup> These reviews took place in the third quarter of 2016. The published review reports are available on the UNFCCC website (see table 2).<sup>18</sup>

17. Between 22 September 2016 and 20 October 2017, the secretariat received the reports to facilitate the calculation of the assigned amount of Kazakhstan and Monaco (submitted on 4 July 2017 and 4 August 2017, respectively). The secretariat organized the reviews of these reports in conjunction with the reviews of the 2017 annual submissions. The review reports are in preparation and, when published, will be made available on the UNFCCC website.<sup>19</sup> As at 20 October 2017, Belarus had not submitted its report to facilitate the calculation of its assigned amount.

<sup>16</sup> Decision 2/CMP.8, paragraph 2.

<sup>17</sup> Decision 10/CMP.11, paragraph 2.

<sup>18</sup> <http://unfccc.int/9499>. As at 20 October 2017, the review reports for the European Union and the United Kingdom of Great Britain and Northern Ireland had not yet been published.

<sup>19</sup> <http://unfccc.int/9499>.

Table 2

**Review of the reports to facilitate the calculation of the assigned amount for the second commitment period and to demonstrate the capacity to account for emissions and assigned amounts**

| <i>Party</i>             | <i>Review week dates (review type and number)</i> | <i>IRR publication date</i> |
|--------------------------|---|-----------------------------|
| Australia                | 5–10 September 2016 (CR)                          | 27 April 2017               |
| Austria                  | 26 September to 1 October 2016 (CR)               | 31 May 2017                 |
| Belarus <sup>a</sup>     | Not subject to review                             | NA                          |
| Belgium                  | 12–17 September 2016 (CR)                         | 20 June 2017                |
| Bulgaria                 | 10–15 October 2016 (ICR)                          | 21 June 2017                |
| Croatia                  | 19–24 September 2016 (CR)                         | 30 March 2017               |
| Cyprus                   | 12–17 September 2016 (ICR)                        | 20 October 2017             |
| Czechia                  | 29 August to 3 September 2016 (CR)                | 31 August 2017              |
| Denmark                  | 26 September to 1 October 2016 (ICR)              | 9 August 2017               |
| Estonia                  | 19–24 September 2016 (CR)                         | 22 March 2017               |
| European Union           | 19–24 September 2016 (CR)                         | In preparation              |
| Finland                  | 5–10 September 2016 (CR)                          | 16 March 2017               |
| France                   | 19–24 September 2016 (ICR)                        | 26 July 2017                |
| Germany                  | 19–24 September 2016 (ICR)                        | 13 April 2017               |
| Greece                   | 29 August to 3 September 2016 (CR)                | 31 August 2017              |
| Hungary                  | 19–24 September 2016 (ICR)                        | 10 March 2017               |
| Iceland                  | 19–24 September 2016 (CR)                         | 30 March 2017               |
| Ireland                  | 29 August to 3 September 2016 (CR)                | 20 July 2017                |
| Italy                    | 26 September to 1 October 2016 (CR)               | 1 June 2017                 |
| Japan <sup>b</sup>       | NA  | NA                          |
| Kazakhstan               | 18–23 September 2017 (ICR)                        | In preparation              |
| Latvia                   | 29 August to 3 September 2016 (CR)                | 7 March 2017                |
| Liechtenstein            | 26 September to 1 October 2016 (CR)               | 21 September 2017           |
| Lithuania                | 5–10 September 2016 (CR)                          | 6 March 2017                |
| Luxembourg               | 26 September to 1 October 2016 (CR)               | 30 August 2017              |
| Malta                    | 10–15 October 2016 (ICR)                          | 21 July 2017                |
| Monaco                   | 25–30 September 2017 (CR)                         | In preparation              |
| Netherlands              | 19–24 September 2016 (CR)                         | 23 June 2017                |
| New Zealand <sup>b</sup> | 26 September to 1 October 2016 (CR)               | 10 August 2017              |
| Norway                   | 29 August to 3 September 2016 (CR)                | 28 March 2017               |
| Poland                   | 12–17 September 2016 (CR)                         | 21 June 2017                |
| Portugal                 | 12–17 September 2016 (CR)                         | 5 September 2017            |
| Romania                  | 12–17 September 2016 (CR)                         | 21 June 2017                |

| <i>Party</i>   | <i>Review week dates (review type and number)</i> | <i>IRR publication date</i> |
|--|---|-----------------------------|
| Russian Federation <sup>b</sup>                      | NA  | NA                          |
| Slovakia   | 5–10 September 2016 (CR)                          | 3 March 2017                |
| Slovenia   | 26 September to 1 October 2016 (CR)               | 22 August 2017              |
| Spain  | 12–17 September 2016 (CR)                         | 14 July 2017                |
| Sweden   | 29 August to 3 September 2016 (CR))               | 6 April 2017                |
| Switzerland  | 5–10 September 2016 (ICR))                        | 20 April 2017               |
| Turkey <sup>b</sup>                                  | NA  | NA                          |
| Ukraine  | 5–10 September 2016 (CR)                          | 20 April 2017               |
| United Kingdom of Great Britain and Northern Ireland | 12–17 September 2016 (CR)                         | In preparation              |

*Abbreviations:* CR = centralized review, DR = desk review, ICR = in-country review, IRR = report on the review of the report to facilitate the calculation of the assigned amount for the second commitment period of the Kyoto Protocol, NA = not applicable.

<sup>a</sup> As at 20 October 2017, Belarus had not submitted its report to facilitate the calculation of its assigned amount pursuant to Article 3, paragraphs 7 bis, 8 and 8 bis, of the Kyoto Protocol for the second commitment period and to demonstrate its capacity to account for its emissions and assigned amount.

<sup>b</sup> Japan, New Zealand and Russian Federation are Parties included in Annex I that had a quantified emission limitation or reduction commitment (QELRC) for the first commitment period but do not have a QELRC for the second commitment period. New Zealand submitted a report to facilitate the calculation of its emissions budget for the period 2013 to 2020. Turkey does not have a QELRC for the first or the second commitment period.

### III. Expert review teams and lead reviewers

18. The information provided in the annual submissions under Article 7, paragraph 1, of the Kyoto Protocol, including the GHG inventories, is examined by international teams of experts, who are selected by the secretariat from those nominated by Parties to the UNFCCC roster of experts. Invitations to experts to participate in the review are copied to the national focal point. Only experts who have taken the training courses under the Convention and its Kyoto Protocol and who have passed the corresponding examinations can participate in the reviews of annual submissions.<sup>20</sup>

19. The annual report on the technical review of GHG inventories of Parties included in Annex I to the Convention provides more information on the number and nominating Party of experts participating in the reviews in 2017, the number of ERTs and experience in organizing the reviews.<sup>21</sup>

### IV. Annual report of inventory lead reviewers

20. The 14<sup>th</sup> meeting of GHG inventory lead reviewers was held in Bonn on 8 and 9 March 2017. The secretariat held a refresher seminar for lead reviewers and experienced reviewers on the morning of 8 March, before the lead reviewers meeting, which was attended by 64 experts (30 from Parties not included in Annex I to the Convention and 34 from Parties included in Annex I to the Convention). The refresher seminar focused on: experience from desk reviews and in-country reviews of GHG inventories in 2016; improving the drafting of findings and recommendations in review reports; efficient simultaneous use of the review issues tracking system and the review report template; and

<sup>20</sup> For more information on the training of review experts, see chapter V of document FCCC/SBSTA/2017/INF.8.

<sup>21</sup> FCCC/SBSTA/2017/INF.8, paragraphs 12–25 and table 3.

reviewing the information on land use, land-use change and forestry (LULUCF) activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (KP-LULUCF) in the second commitment period.

21. In accordance with decisions 13/CP.20, 22/CMP.1 and 24/CMP.1, the meeting referred to in paragraph 20 above facilitated the lead reviewers' task of ensuring the consistency of reviews across Parties and provided conclusions and recommendations on how to improve the quality and efficiency of such reviews. Such conclusions and recommendations are reported to the SBSTA, in accordance with the annexes to decisions 13/CP.20 and 22/CMP.1.<sup>22</sup>

## V. Training of experts

### A. Training programme for members of expert review teams participating in annual reviews under Article 8 of the Kyoto Protocol

22. Since 2006, as required by decisions 24/CMP.1 and 8/CMP.5, the secretariat has been implementing the updated training programme for members of ERTs participating in annual reviews under Article 8 of the Kyoto Protocol, with the aim of training members of ERTs for the review of information submitted under Article 7 of the Kyoto Protocol. All training courses and final examinations are offered online, in some cases with the support of an instructor, subject to the availability of resources.

23. In 2016, as requested by decision 5/CMP.11, the updated "Training programme for members of expert review teams participating in annual reviews under Article 8 of the Kyoto Protocol" was launched in order to meet the needs for the reviews in the second commitment period. All courses – including on national systems; application of adjustments; modalities for the accounting of assigned amounts under Article 7, paragraph 4, of the Kyoto Protocol; review of national registries and information on assigned amounts; and review of activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol – have been updated to meet the reporting requirements for Parties in the initial and subsequent years of the second commitment period. The format of the courses and the examinations remains the same as for the training courses during the first commitment period.

24. In order to ensure the skills and knowledge of the ERTs to meet the requirements in the second commitment period, decision 5/CMP.11 requires some examinations to be mandatory not only for new experts, but also for experienced reviewers, who participated in the reviews during the first commitment period, to take the roles of lead reviewers, generalists and KP-LULUCF reviewers. Experienced experts who are to take the role of lead reviewer for the first time must pass the examinations on national systems, application of adjustments, national registries and the review of activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol; experienced sectoral experts who are to take the role of generalist for the first time must pass the examination on national registries; and all LULUCF experts and new lead reviewers must pass the examinations for the updated courses on the review of activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol for the second commitment period. Experienced experts have been invited to take part in the updated training programme.

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<sup>22</sup> See the annex to document FCCC/SBSTA/2017/INF.8 for the conclusions and recommendations from the 14<sup>th</sup> meeting of GHG inventory lead reviewers. These conclusions and recommendations are also available at [http://unfccc.int/files/national\\_reports/annex\\_i\\_ghg\\_inventories/review\\_process/application/pdf/ghg\\_1rs\\_14th\\_meeting\\_conclusions.pdf](http://unfccc.int/files/national_reports/annex_i_ghg_inventories/review_process/application/pdf/ghg_1rs_14th_meeting_conclusions.pdf) and <http://unfccc.int/2762>.

## **B. Implementation of the training programme**

25. In the period between 21 September 2016 and 20 October 2017, 76 experts registered for the courses under the training programme referred to in paragraph 22 above. Of those experts, 49 experts took and passed one or more examinations, which includes 34 new experts who completed the basic course of the “Training programme for review experts for the technical review of greenhouse gas inventories of Parties included in Annex I to the Convention” in 2016 and 2017. Twelve experts passed the mandatory courses as non-LULUCF review experts, five experts passed to be KP-LULUCF experts and six experts passed to be generalists. A total of 518 experts were recorded on the UNFCCC roster of experts as at 20 October 2017, including 63 lead reviewers who passed all mandatory examinations for the annual reviews under Article 8 for the second commitment period of the Kyoto Protocol.

26. Decision 22/CMP.1, annex, paragraph 31, requires the members of the ERTs for the reviews under the Kyoto Protocol to be selected in a way that the collective skills of the team address the areas of information submitted under Article 7 of the Kyoto Protocol by Parties included in Annex I. Decision 22/CMP.1, annex, paragraph 32, requires the selection of the members of the ERTs to be done with a view to achieving a balance between experts from Parties included in Annex I and Parties not included in Annex I in the overall composition of the ERTs. Training activities are crucial for meeting these requirements and for GHG inventory review experts, in particular those from Parties not included in Annex I who are not involved in the activities of Parties included in Annex I related to the reporting of supplementary information under Article 7, paragraph 1, of the Kyoto Protocol.

## **VI. Compilation of information submitted by Parties on the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol**

27. The CMP, by decision 15/CMP.1, annex, paragraph 26, stated that the secretariat is to compile the supplementary information submitted annually by Parties relating to how they are striving, under Article 3, paragraph 14, of the Kyoto Protocol, to implement their commitments mentioned in Article 3, paragraph 1, of the Kyoto Protocol in such a way as to minimize adverse social, environmental and economic impacts on developing country Parties, particularly those identified in Article 4, paragraphs 8 and 9, of the Convention, and information on any changes that have occurred compared with the information reported in their previous annual submissions.

28. The compilation is also to include information on how Parties included in Annex I that are also included in Annex II to the Convention and other Parties included in Annex I that are in a position to do so give priority in implementing their commitments under Article 3, paragraph 14, to the actions referred to in decision 15/CMP.1, annex, paragraph 24, based on relevant methodologies referred to in decision 31/CMP.1, paragraph 11.

29. The compilation based on the annual submissions received for 2017 was published on 29 August 2017 and is available on the UNFCCC website.<sup>23</sup>

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<sup>23</sup> <http://unfccc.int/6559> and [http://unfccc.int/resource/docs/publications/compilation\\_of\\_information\\_on\\_the\\_minimization\\_of\\_adverse\\_impacts\\_in\\_accordance\\_with\\_3.14\\_of\\_kp\\_2017.pdf](http://unfccc.int/resource/docs/publications/compilation_of_information_on_the_minimization_of_adverse_impacts_in_accordance_with_3.14_of_kp_2017.pdf).