

Greenhouse gases, sectors and source categories under the Kyoto Protocol

AWG KP –5

In-session workshop on means to
reach emission reduction targets

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Outline

- Greenhouse gases (GHGs), sectors and source categories under the Kyoto Protocol
- Decisions relating to GHGs, sectors and source categories covered under the Kyoto Protocol
- Progress on reporting and review under the Kyoto Protocol

Greenhouse gases, sectors and source categories under the Kyoto Protocol

Article 3 paragraph 1: gases and sectors covered under Annex A

□ Greenhouse gases

Carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF₆)

□ Sectors

Energy, industrial processes, solvent and other product use, agriculture, and waste

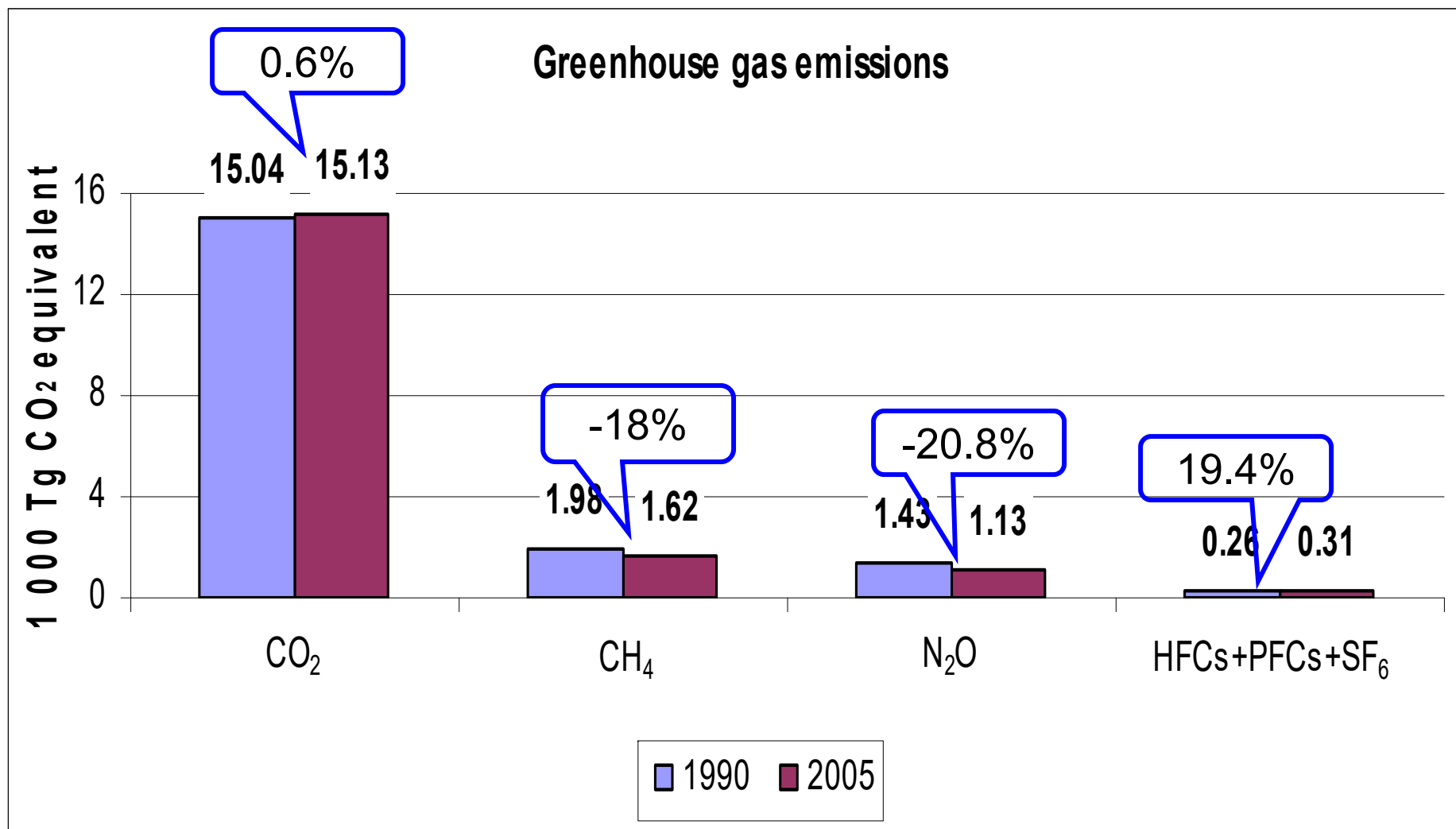
Other issues relating to GHGs and sectors under the Kyoto Protocol

- Article 3, paragraphs 3 and 4: LULUCF is not included in Annex A, but at the accounting side
- Article 2, paragraph 2: emissions from bunker fuels (aviation and marine) to be addressed by Annex I Parties working through ICAO and IMO
 - Reporting of these emissions in the annual GHG inventories
 - Not included in the national totals

Methodological issues under the Kyoto Protocol

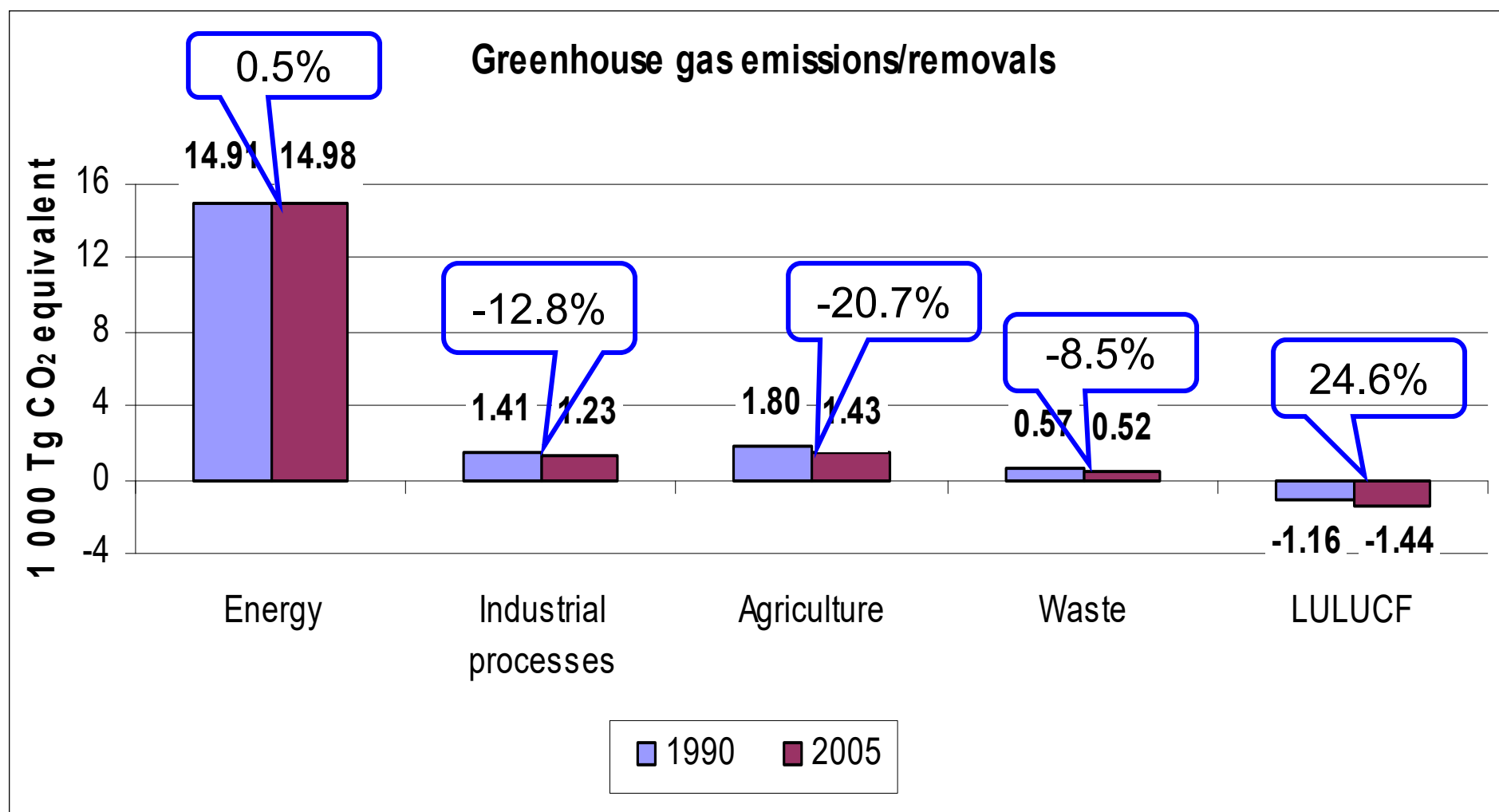
- Decision 2/CP.3:
 - Use of the Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories
 - Actual emissions of HFCs, PFCs and SF6 should be estimated and reported, where data are available
 - Global warming potentials (100-year time horizon) should be those provided by the IPCC Second Assessment Report
 - Bunker fuel emissions should not be included in national totals, but reported separately (the SBSTA to further elaborate on the inclusion of these emissions in the overall greenhouse gas inventories of Parties)
 - Emissions resulting from multilateral operations pursuant to the Charter of the United Nations shall not be included in national totals, but reported separately; - other emissions related to operations shall be included in the national emissions totals of one or more Parties involved

Emission profile of Annex I Parties for 1990-2005



Source: FCCC/SBI/2007/30

Emissions and removals of Annex I Parties for 1990-2005 by sector



Source: FCCC/SBI/2007/30



Decisions relating to GHGs, sectors and source categories covered under the Kyoto Protocol

Institutional framework: national system (decision 19/CMP.1)

- Guidelines for national systems for the estimation of anthropogenic greenhouse gas emissions by sources and removals by sinks under Article 5, paragraph 1, of the Kyoto Protocol
 - Applicability
 - Definitions
 - Objectives
 - Characteristics
 - General and specific functions

Reporting framework (decision 15/CMP.1)

- Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol
 - Applicability, general approach and objectives
 - Greenhouse gas inventory information, including on Article 3, paragraphs 3 and 4
 - Changes in national systems
 - Other issues: Kyoto units, changes in the registry, Article 3, paragraph 14 information, policies and measures, and Article 10 and 11

Review framework (decision 22/CMP.1)

- Guidelines for review under Article 8 of the Kyoto Protocol
 - General approach
 - Review of the national GHG inventory, assigned amount and other Kyoto units information
 - Review of national systems and national registries
 - Review of the national communications, Article 3, paragraph 14 information and expedited procedures for the review to reinstate eligibility

Review framework: adjustments (decision 20/CMP.1)

- Good practice guidance and adjustments under Article 5, paragraph 2, of the Kyoto Protocol
 - Definition for application of adjustments
 - Technical guidance on methodologies for adjustments
 - Objective, general approach, methods and conservativeness and sector specific elements
 - List of inventory review resources to calculate adjustments, provisions for review and table of conservativeness factors

Reporting and review framework for LULUCF

- Decision 17/CMP.1 Good practice guidance for land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4
- Decision 18/CMP.1 Criteria for cases of failure to submit information relating to estimates of greenhouse gas emissions by sources and removals by sinks from activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol
- Decision 6/CMP.3 Good practice guidance for land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol

Progress on reporting and review under the Kyoto Protocol



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Initial report and review under the Kyoto Protocol

- Decisions 13/CMP.1, 15/CMP.1 and 22/CMP.1
- Deadline for submission of the initial report: 1 January 2007
 - 36 reviews conducted
 - 32 reports published and 4 are under preparation
 - One review scheduled for April 2008 and one in September 2008
- Parties became eligible to participate in the Kyoto mechanisms 16 months after the submission of the initial report and successful completion of the reporting, review and compliance cycle



Thank you!