

TRAVEL REPORT FORM

출장보고서

결 재	부서장	원장		
	10/26	10/26		
협 조	김형진	정홍상		

I. Reporter 보고자

Department 소속	Position 직위(직급)	Name 성명	Travel Date 날짜	Note 비고
응용사업본부	응용사업본부장	김형진	2016.10.16.-21	UNESCAP 본 부, 방콕

II. Major Activities 주요업무 수행내용

1. Main Contents and Activities 주요내용 및 활동

- 제44차 기후변화에 관한 정부간 협의체(IPCC) 총회에 정부대표단으로 참석
- 총회에서 논의된 의제 분석 및 대응 지원
- 특히 '1.5도 상승 특별보고서 개요' 의제와 관련하여 집중적인 분석을 수행하고 정부대표단 발언 문 및 전문 작성 등 지원
- UNESCAP Disaster Risk Reduction (DRR) Section의 담당 과장(Dr. Sanjay Srivastavas) 및 선임연구원(Mr. Sung Eun Kim)과 회의를 통해 UNESCAP Trust Fund 사업 및 UNESCAP-Korea Cooperation Fund 사업의 공동 추진에 관해 논의

2. Relevance to APEC Climate Center's Activities 결론 및 소감

- 1.5°C 특별보고서는 IPCC 내 세 개의 실무그룹(WG)이 모두 참여하는 최초의 특별보고서로, 점점 중요해지는 cross-cutting 이슈나, UNFCCC와의 협력 차원에서 매우 중요한 의의를 가짐
- 1.5°C특별보고서 저자 선정 요청 시 국내 전문가가 많이 포함되도록 노력해야 하며, UNFCCC 참여 부처들의 적극적인 관심과 긴밀한 협조가 요구됨
- 신기후체제에 따라 선진국들은 인벤토리의 투명성 강화를 위한 방법론 개선을 촉구하는 반면 개도국들은 국가 상황에 따른 유연한 개선을 요구하는 것으로 관찰됨. 향후 지침 개선 작성(안)에 대한 지속적인 모니터링을 통해 국내 적용을 준비하는 한편 향후 TFI에서 검토하기로 결정한 단기체류에어로졸(블랙카본 등)에 대한 국제기준 파악 등 대비 필요
- 기후변화와 도시 워크숍은 AR6에 중요하게 활용될 것이며, AR7에서 특별보고서로 작성되기로 결정됨에 따라 회원국들이 적극적으로 지지하는 의제임. 재정상황에 맞게 IPCC가 예산을 효율적으로 활용하는 형태로 추진되어야 할 것으로 판단되며, 우리나라도 기후변화에 관심이 많은 지자체 및 관련 전문가들에게 워크숍 및 도시 관련 IPCC 활동을 적극 홍보해야 함
- 아태지역 개도국 및 태도국을 대상으로 UNESCAP과의 협력을 추진함으로써 국제기구 협업 강화 모색

III. References 참고사항

(with attachment of any information or report in case of attendance of conferences, workshops and meetings) 학술대회, 워크숍, 회의 등 참석 시 관련 정보 및 문서 첨부

1. Presented and Collected Materials 주요 수집자료

2. Suggestions and Remarks 건의사항



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INTERGOVERNMENTAL PANEL ON **climate change**

FORTY-FOURTH SESSION OF THE IPCC
Bangkok, Thailand, 17 - 20 October 2016

IPCC-XLIV/CRP.2, Rev.2
(20.X.2016)
Agenda Item: 7.1
ENGLISH ONLY

SIXTH ASSESSMENT REPORT (AR6) PRODUCTS

Outline of the Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

Decision on the Outline of the Special Report

Adopted

(Submitted by the Chair of the Scientific Steering Committee)

IPCC Secretariat

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The Intergovernmental Panel on Climate Change decides:

(1) to agree to the outline of Global Warming of 1.5°C, an IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty as contained in Annex 1 to this document;

(2) that this report responds to the invitation of the UNFCCC to the IPCC as contained in paragraph 21 of its Decision 1/CP.21, the Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC), and should also be seen in the context of paragraph 17 of the same decision;

(3) that this report assesses literature relevant to 1.5°C, especially since the Fifth Assessment Report (AR5), consistent with the IPCC guidance on the use of literature;

(4) that the bulleted text in Annex 1 to this Decision, that resulted from the scoping process and refined through comments by the Plenary, be considered by authors as indicative, taking into account the scope of the literature assessment referred to in bullet 3 and scientific gaps that will be explicitly identified;

(5) that the time schedule for the production of the Special Report is as follows:

- A call for nominations of Coordinating Lead Authors (CLAs), Lead Authors (LAs) and Review Editors (REs) will be issued after the 44th Session of the IPCC in October 2016.
- Approval and acceptance of the Special Report is planned for the 48th Session of the IPCC in September 2018.
- In order to achieve this, the timetable for the Special Report is as follows:

31 October - 11 December 2016	Call for author nominations
29 January 2017	Selection of authors
6-12 March 2017	1st Lead Author Meeting
5-11 June 2017	2nd Lead Author Meeting
31 July - 24 September 2017	First Order Draft Expert Review
23-29 October 2017	3rd Lead Author Meeting
1 January - 25 February 2018	Second Order Draft Expert and Government Review
9-15 April 2018	4th Lead Author Meeting
4 June - 29 July 2018	Final Government Review of Summary for Policymakers (SPM)
24-30 September 2018	IPCC acceptance/adoption/approval

(6) that the budget for the production of the Special Report is as contained in Decision (IPCC/XLIV-XX) on the IPCC Trust Fund Programme and Budget.

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Bangkok, Thailand, 17 - 20 October 2016

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SIXTH ASSESSMENT REPORT (AR6) PRODUCTS

Outline of the Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

Outline proposal (Annex 1 to the decision on the Outline of the Special Report)

Adopted

(Submitted by the Chair of the Scientific Steering Committee)

Disclaimer

Posted as adopted subject to copy editing

Proposed outline of the special report in 2018 on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development and efforts to eradicate poverty

Title:

Global warming of 1.5°C

An IPCC special report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty

List of Contents

Front Matter (2 pages)
Summary for Policy Makers (up to 10 pages, incl. headline statements, tables, figures)
Chapter 1: Framing and context (15 pages)
Chapter 2: Mitigation pathways compatible with 1.5°C in the context of sustainable development (40 pages)
Chapter 3: Impacts of 1.5°C global warming on natural and human systems (60 pages)
Chapter 4: Strengthening and implementing the global response to the threat of climate change (50 pages)
Chapter 5: Sustainable development, poverty eradication and reducing inequalities (20 pages)
Boxes - integrated case studies/regional and cross-cutting themes (up to 20 pages)
FAQs (10 pages)
Total: up to 225

Front matter

- IPCC context
 - o Building on AR5
 - o Assessing literature since AR5
 - o Reports to come in this cycle
- Context of UNFCCC invitation
- Specificity of this report within the cycle (integration, systems- and solutions-based approach, near-term)
- Laying the foundations for the Special Report in the context of strengthening the global response to climate change, sustainable development and poverty eradication

Chapter 1:

Framing and Context

- Understanding 1.5°C; reference levels, probability, transience, overshoot, stabilization
- 1.5°C in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty, with consideration for ethics and equity
- Key concepts central to understanding the report
- Building on AR5: new information, integrative approaches, response options
- Assessment and methodologies across spatial and time scales
- Treatment of uncertainty
- Storyline of the report

Chapter 2:

Mitigation pathways compatible with 1.5°C in the context of sustainable development

- Methods of assessment and assumptions in the literature
- Constraints on, and uncertainties in, global greenhouse gas emissions consistent with warming of 1.5°C compared to 2°C, considering short lived and other climate drivers and taking into account uncertainty in climate sensitivity
- Characteristics of mitigation and development pathways compatible with 1.5°C compared with 2°C and, where warranted by the literature, comparison with higher levels of warming. This may include short and long term timeframes, sectorial, regional, demand/supply-side, technological and socio-economic implications
- Technological, environmental, institutional and socio-economic opportunities and challenges related to 1.5°C pathways

Chapter 3:

Impacts of 1.5°C global warming on natural and human systems

- Methods of assessment
- Observed and attributable global and regional climate changes and impacts and the adaptation experience
- Key global and regional climate changes, vulnerabilities, impacts, and risks at 1.5°C, taking into account adaptation potential and limits to adaptive capacity
- Key sectoral vulnerabilities, impacts, and risks at 1.5°C, taking into account adaptation potential, limits to adaptive capacity and socio-economic aspects
- Avoided impacts and reduced risks at 1.5°C compared with 2°C and, where warranted by the literature, comparison with higher levels of warming
- Timeframe, slow vs. fast onset, irreversibility and tipping points
- Implications for impacts, adaptation and vulnerability of different mitigation pathways reaching 1.5°C, including potential overshoot

Chapter 4:

Strengthening and implementing the global response to the threat of climate change

- Assessing current and emerging adaptation and mitigation options, including negative emission methodologies, and associated opportunities and challenges
- Synergies, trade-offs and integration of adaptation and mitigation options
- The pace of the development and deployment of adaptation and mitigation options compared to pathways consistent with sustainable development and 1.5°C
- The potential and capacity limitations for development and deployment of adaptation and mitigation responses to accelerate transitions within and across scales and systems (e.g. food production, cities)
- Options for implementing far-reaching and rapid change; implications, challenges (e.g. lock in, spillover effects), enabling environments and across scales
- Case studies for implementation of adaptation and mitigation options at different scales and circumstances, and lessons learned

Chapter 5:

Sustainable development, poverty eradication, and reducing inequalities

- Linkages between achieving SDGs and 1.5°C
- Distributional impacts arising from response options
- Opportunities, challenges, risks, and trade-offs
- Positive and negative impacts of adaptation and mitigation measures including response measures and strategies, economic diversification, livelihoods, food security, cities, ecosystems, technologies
- Knowledge and experience from local to global, including case studies and integrated planning as relevant to aforementioned bullets
- Climate-resilient development pathways