

Implications of Loss and Damage for Adaptation Planning

Soojeong Myeong

Korea Adaptation Center for Climate Change

Korea Environment Institute

August 30th, 2013

The Structure of Presentation

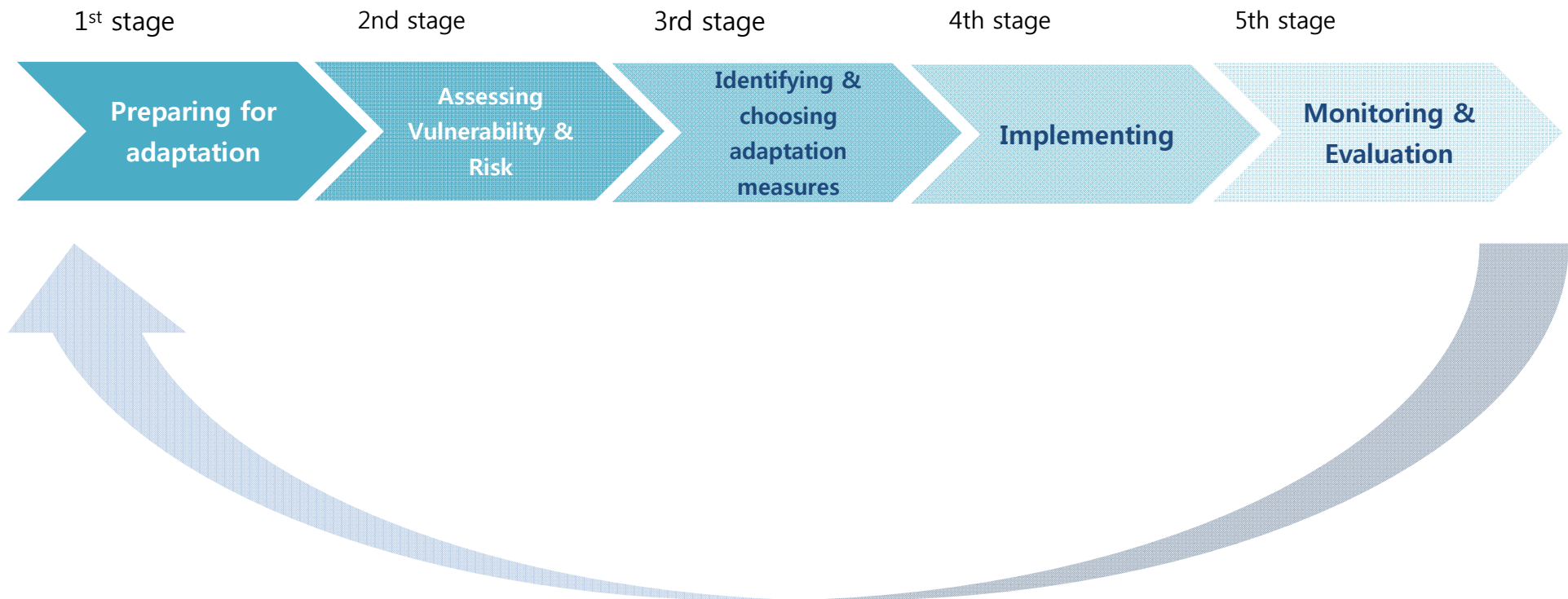
- I. Adaptation Planning
- II. Loss and Damage Implications

Part. I

Adaptation Planning

Adaptation Planning

- General Stages of Climate Change Adaptation Planning



Adaptation Planning

1. Preparing for Adaptation

- Understand the climate change impact of the region
- Establish the ground for adaptation
 - Set up climate change goals and objectives
 - Identify major sectors impacted by climate change
 - Establish Institutional arrangement
 - Identify affected stakeholders

- *Possible Barriers*

- *lacking in awareness of climate change*
- *lacking in communication major players*

...

- *Understand loss & damage in the context of climate change ?*
- *Share their experiences related to loss and damage?*

Adaptation Planning

2. Assessing Climate Change Vulnerability and Risk

- Analyze the impact of past weather events
- Assess climate vulnerability and climate risk
 - consistent data, climate scenarios, climate variables, expected impacts, time scale, level of confidence, etc

■ *Possible Barriers*

- *Lacking in data and information: past climate data and future climate projection*
- *Lacking in capacity needed for assessment process*

...

- *Enough data to address loss & damage?*
- *Enough capacity for risk and vulnerability assessment?*

Adaptation Planning

3. Identifying and Choosing Adaptation Measures

- Explore and collect appropriate adaptation options for main climate concerns
- Assess candidate adaptation options: time, effort and benefit, budget
- Prioritize adaptation options and select suitable one

- *Possible Barriers*

- *Lacking in actions and measures for actual adaptation*
 - *Technological limitations*

...

- *know what to do to reduce loss & damage?*
 - *Enough technology for loss & damage?*

Adaptation Planning

4. Implementation

- Prepare specific action plans
 - specify major actors and instrument
 - allocate financial/human resources for implementation
 - develop timeframe
- Implement the measures

- *Possible Barriers*

- *Institutional barriers*
- *Lacking in financial resources*
- *Knowledge gaps on the ground*

...

- *Collaborating cross-sectorally to address loss & damage?*
- *Enough financial support for loss & damage?*

Adaptation Planning

5. Monitoring and evaluation

- Develop M&E provisions
 - Find baseline for M&E reference
 - Aggregated? Specific?
- Identify M&E indicators
 - Identifying appropriate indicators etc

■ *Possible Barriers*

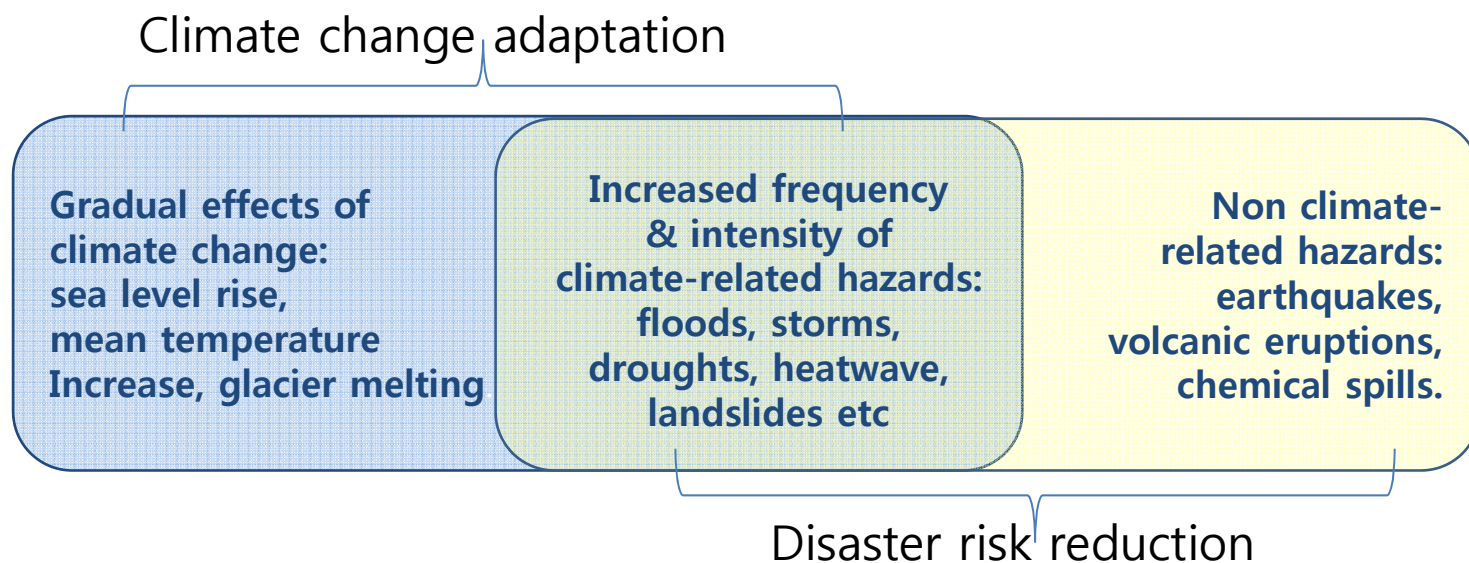
- *Lacking in consistent data*
- *Difficulty in developing M&E indicators*
- ...
- *Develop indicators for loss & damage?*
- *Enough data for M&E for loss & damage?*

Part. II

Loss and Damage Implications

Loss & Damage Implication

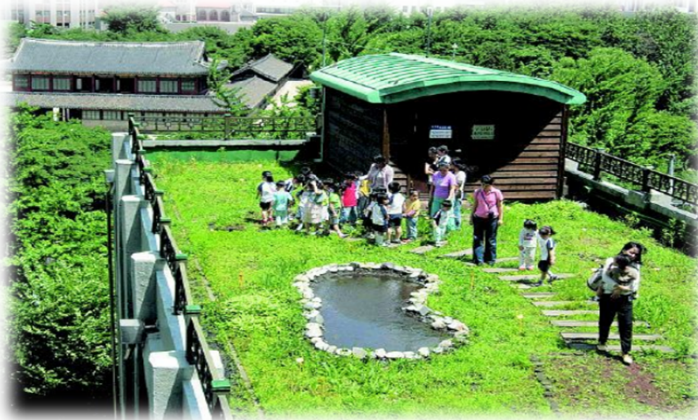
- Common concerns and ground of CCA and L/D
 - There are quite common concerns and common ground between these two pillars which can generate synergies.
 - Quite a lot of loss and damage are from disaster related events.
 - Major stakeholders and decision makers are overlapping.



Modified from Turnbull et al.(2013)

Loss & Damage Implication

■ Example of measures for both adaptation and loss & damage



■ Green Roof

Vegetation on rooftops can mitigate urban heat island impact and dryness of urban areas

■ Penetrating pavement

Absorb and store rainwater using penetrating material or penetrating structure



■ Flood resistant house

Higher house height to prevent flood damage

Loss & Damage Implication

- Consider vulnerable people



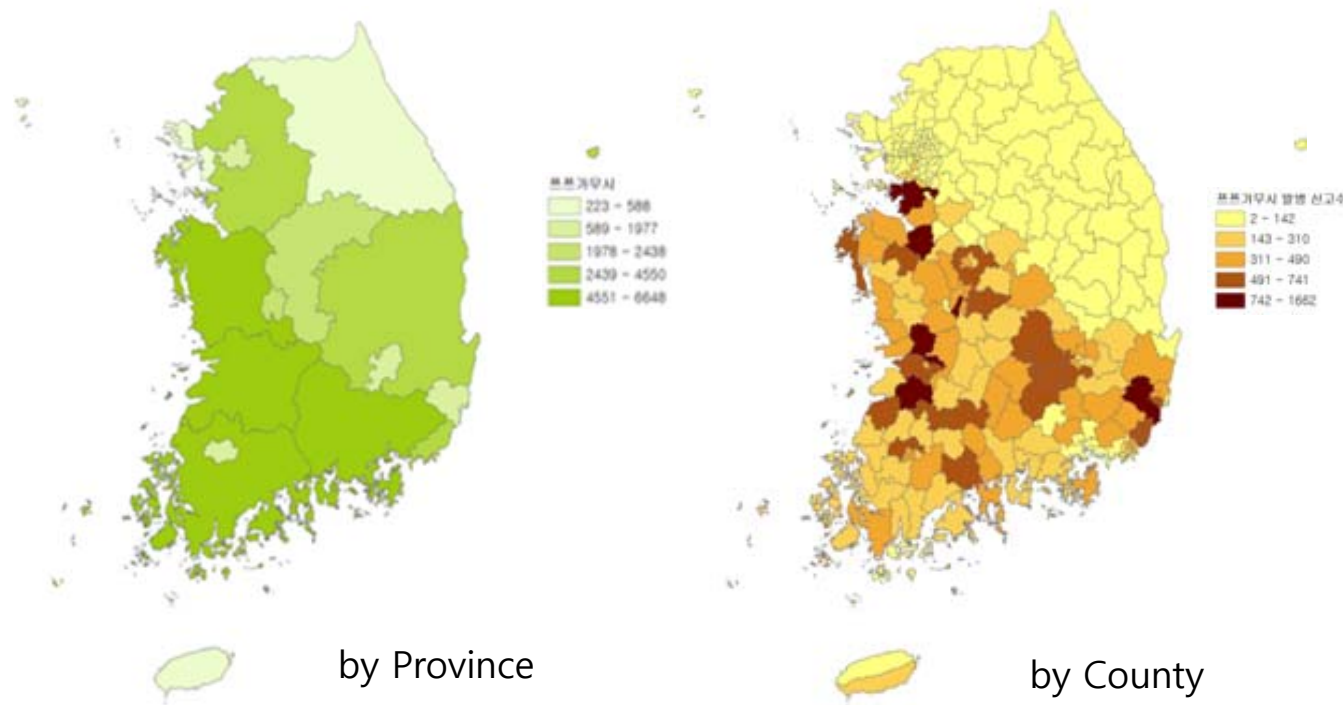
In many countries, climate change means that women and young girls have to walk further to collect water, especially in the dry season. Moreover, women can be expected to contribute much of the labour that will go into coping with climate risks through soil and water conservation, the building of anti-flood embankments and increased off-farm employment.

Human Development Report 2007/08

Loss & Damage Implications

- Consider vulnerable areas
 - provide detailed information

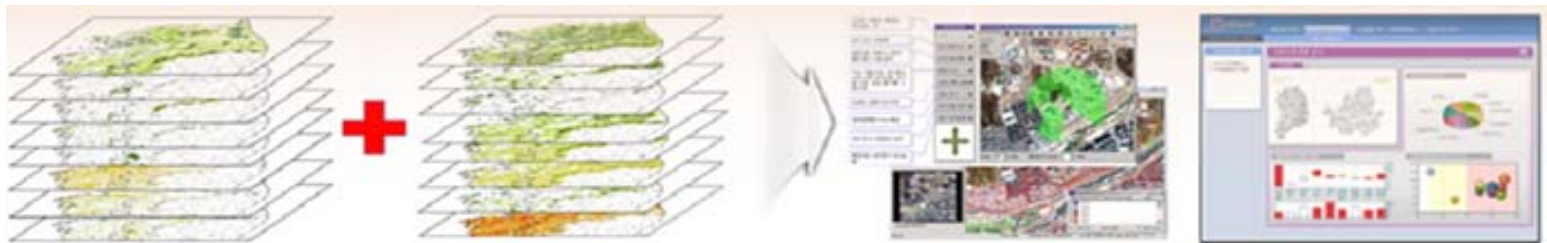
Reports on
Tsutsugamushi
(Scrub Typhus)



Vector-borne Diseases Distribution of Korea

Loss & Damage Implications

- Korea's experience of data sharing
 - Integrated Information System for CCA



- Environmental Impact Assessment Supporting System

EIASS
환경영향평가정보지원시스템

평가정보조회 | 평가진행현황 | 통계현황 | 평가행정정보 | 사이버PR관 | 평가지리정보 | 사용자관리 | 시스템지원

환경을 생각한 개발, 보다 정확한 평가
EIASS가 여러분과 함께 합니다.

환경영향평가의견제안센터 >
환경영향평가와 관련된 제도 개선에 대한 국민의 의견을 수렴합니다.

원격지원상담서비스 >
환경영향평가 정보지원시스템 이용시 문의사항이 발생한 경우 사용자 PC에 접속하여 도와드립니다.

사전입지자가진단서비스
입지제한인자에 대한 사전검토 및 환경상 평가를 WebGIS로 확인

지리정보서비스
국가환경평가 지리정보시스템 NEGIS 환경평가 지리정보

사업등록 현황

신략환경영향평가	환경영향평가	대보개
원주시 도시관리계획(통도지역...	13.06.06	
불문굴 소하천정비사업	13.07.30	
계룡 하대실지구 도시개발사업	13.07.29	

초안공람

신략환경영향평가	환경영향평가	대보개
고척동 서울남부교경시설 이적...	13.06.21	
2020 합양군관리계획(재정...	13.07.26	
국가자연지랑도 60호선(양백...	13.07.29	

Search [] 검색

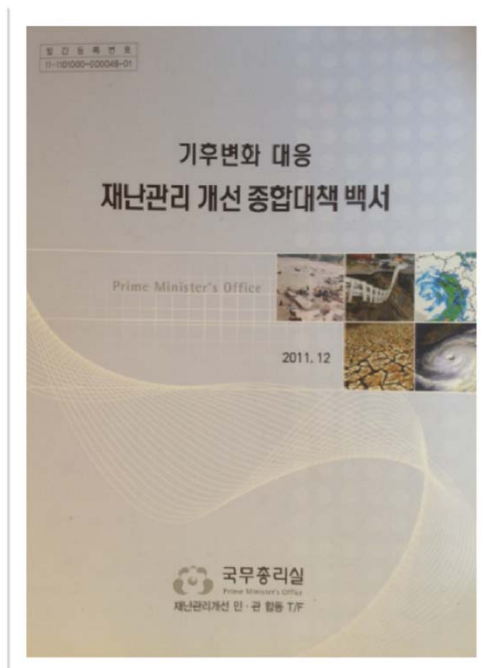
공지사항 FAQ Q&A 대보개

[공 지] 환경영향평가정보지원... 13.06.12
[공 지] 환경영향평가정보지원... 12.09.05
제2회 환경영향평가 사무관리 ... 13.07.17
연구보고서 이용 요령 안내 13.07.02

Login
아이디입력 비밀번호입력 로그인 공인인증 로그인
회원가입 아이디/비밀번호찾기

Loss & Damage Implications

- Korea's experience of collaboration
 - Comprehensive Disaster Management for CCA
 - Ministerial level collaboration (Prime Minister's Office)
 - Annual Abnormal Weather Report
 - Ministerial level collaboration (Meteorological Agency)



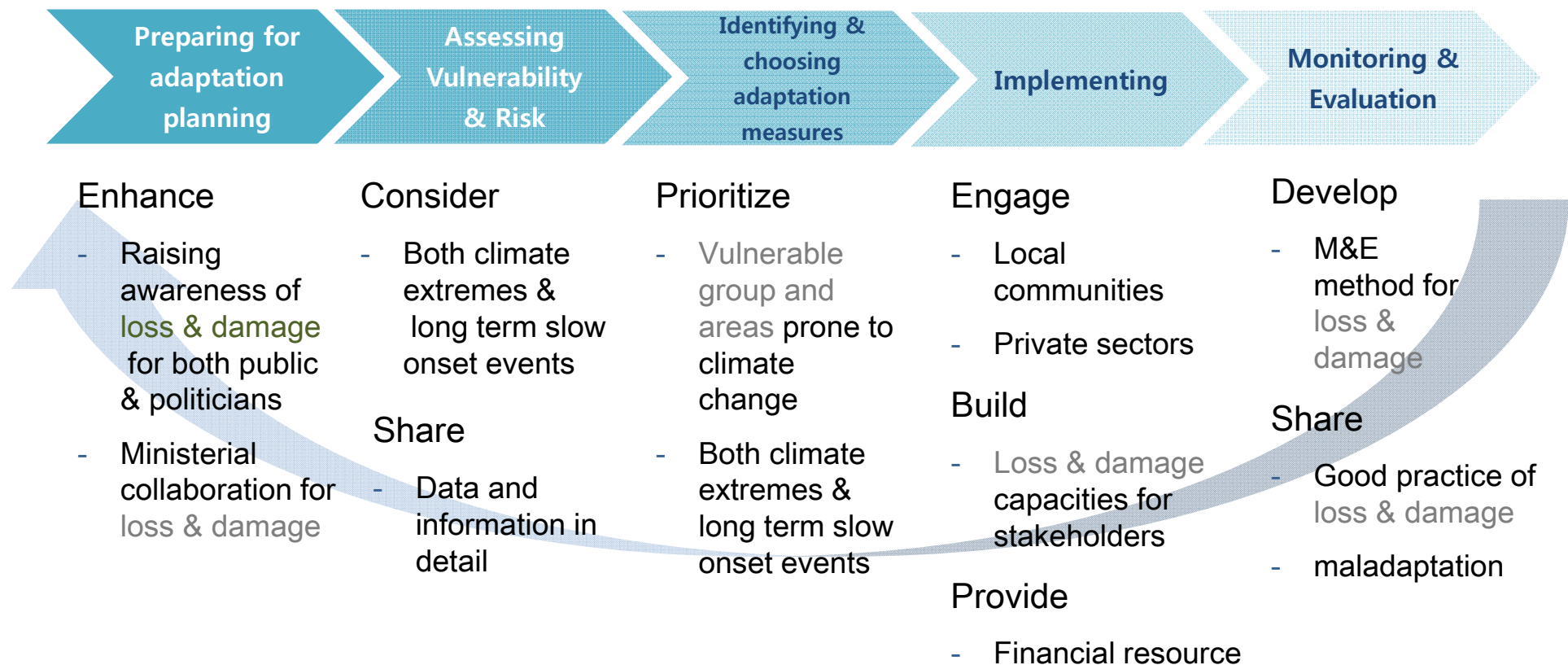
White book of comprehensive disaster management (2011)

Annual abnormal weather report (2012)



Loss & Damage Implication

- Break out barriers and overcome limitations for loss & damage in adaptation planning stages



Loss & Damage Implication

- Climate change adaptation is a learning process and we are learning by doing.
- In order to minimize loss and damage, vulnerable people and areas which can result in great loss & damage due to climate change, must be identified during adaptation planning process.
- Cross-sectoral collaboration and information sharing should be enhanced.
 - Adaptation measures should be developed in an integrated manner
 - Ministerial collaboration should be enhanced
- Loss & damage components should and can fit in national adaptation planning.

Thanks!

When planning for adapting to climate change,
loss & damage should fit in to minimize the
adverse effects of climate change.