

## SUBMISSION BY THE MUNICH CLIMATE INSURANCE INITIATIVE (MCII) 1

# Excom's draft initial two-year workplan for the implementation of the functions of the Warsaw International Mechanism:

Ideas on deliverables, activities, or any other elements for the workplan

1 July 2014

## Prepared for consideration by the interim ExCom

**Keywords:** ExCom's initial two-year workplan for the WIM, risk management, insurance, climate adaptation, climate change, Cancun Adaptation Framework, risk reduction and prevention, risk transfer, private sector

**PLEASE COMMENT**: This submission has benefited from the feedback and ideas of many different experts and delegations. We welcome your comments.

Submission by the Munich Climate Insurance Initiative (MCII), hosted at UN University, 1 July 2014

<sup>&</sup>lt;sup>1</sup> This submission from the Munich Climate Insurance Initiative (MCII) is part of its mission to develop insurance-related solutions to help manage the impacts of climate change. Some of these ideas have been developed in expert collaboration with UNEP-FI, the World Bank Global Facility on Disaster Risk Reduction, UNISDR, World Food Program, the Caribbean Catastrophe Risk Insurance Facility and Africa Risk Capacity, research institutes, Microinsurance Innovation Facility at ILO, and civil society.

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## **Executive summary and Rationale**

MCII writes this submission in response to a call for submissions on possible elements of the work program of the Warsaw international mechanism. The Excom invites inputs on behalf of government/organization into the drafting of the Excom's initial two year work plan meant to outline measures required for the implementation of the functions of the Mechanism, in accordance with paragraph 5 of Decision 2/CP.19.

This submission is informed by decisions such as:

- Decision 1/CP.16 paragraph 28(d) which invites the engagement of stakeholders with relevant specialized expertise to contribute views on exploration of approaches to address loss and damage. In particular, paragraph 28 (a), which invites exploration of "Possible development of a climate risk insurance facility to address impacts associated with severe weather events". The submission further addresses "Options for risk management and reduction; risk sharing and transfer mechanisms such as insurance, including options for microinsurance; and resilience building, including through economic diversification" (para 28(b)).
- Decision 3/CP.18 paragraphs 5, 6, & 7 which outline functions, and relevant themes in loss and damage which the Warsaw International Mechanism might address.
- In this spirit, MCII's submission focuses on ways that the work program might contribute to helping the Warsaw international mechanism fulfill its role of promoting the implementation of approaches to address loss and damage...in a comprehensive, integrated and coherent manner" (1/CP.19 paragraph 5)

With this submission, MCII strives to provide inputs on the task entrusted to the Excom by the COP in Warsaw is to develop its initial two-year workplan for the implementation of the functions outlined in paragraph 5 of Decision 2/CP.19, taking into account the issues outlined in decision 3/CP.18, paragraphs 6 and 7, for consideration at the 41st sessions of the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation (December 2014).

MCII suggests the ExCom consider activities in the work program that can contribute to an appropriate group (ad hoc expert group, task force, technical group) that will advise the Warsaw International Mechanism about comprehensive climate risk management approaches that help Parties address loss and damage. To work towards such a body which includes relevant risk management and insurance experts and operational, mandated organizations MCII suggests that the two year work program include broad consultations about how such a group could be established, and how it could support the further articulation of the Warsaw International Mechanism.

#### 1. Introduction

MCII suggests that the deliverables, activities, and other elements for the workplan should help articulate an appropriate body to help the Warsaw international mechanism "to enhance action on addressing loss and damage associated with the adverse effects of climate change... by undertaking, inter alia, the following:

- (a) Assessing the risk of loss and damage associated with the adverse effects of climate change, including slow onset impacts;
- (b) Identifying options and designing and implementing country-driven risk management strategies and approaches, including risk reduction, and risk transfer and risk-sharing mechanisms;
- (c) The systematic observation of, and data collection on, the impacts of climate change, in particular slow onset impacts, and accounting for losses, as appropriate;
- (d) Implementing comprehensive climate risk management approaches, including scaling up and replicating good practices and pilot initiatives;
- (e) Promoting an enabling environment that would encourage investment and the involvement of relevant stakeholders in climate risk management;
- (f) Involving vulnerable communities and populations, and civil society, the private sector and other relevant stakeholders, in the assessment of and response to loss and damage;
- (g) Enhancing access to, sharing and the use of data, at the regional, national and subnational levels, such as hydrometeorological data and metadata, on a voluntary basis, to facilitate the assessment and management of climate-related risk;" (3/CP.18, paragraph 6)

This submission addresses some of the questions related to the use of insurance in the context of loss and damage (para. 2 and annex 2):

- Cost effectiveness of various approaches, and what level various tools are employed at (from local to national, regional and global).
- Resources required for successful implementation of various tools, including budget, technical capacity for implementation, data, infrastructure, etc.
- Lessons learned from existing efforts within both the public and private sectors, considering elements of design, limitations, challenges and best practices.
- Links and synergies between risk reduction and other instruments such as risk transfer, and how comprehensive risk management portfolios or toolkits can be designed.
- Tailoring risk management approaches to national contexts, and ways to evaluate which tools might be most appropriate for the particular risks and circumstances of a country.

This submission further provides insights into design principles that could guide a range of approaches including an international mechanism (para 5).

#### Principles that can guide how the workplan is assembled:

- 1. Ensuring that the chronological order of the workplan builds a narrative.
- 2. Ensuring the activities of the workplan do not only generate, collect, share and manage knowledge but also have a strong focus on implementation-related matters.
- 3. Ensuring the implementation of the activities under the workplan is not limited to 2 years only (i.e. until its review in 2016) but contribute to a long term vision.
- 4. Finding innovative ways to effectively reach out to stakeholders (including those outside the Convention and unfamiliar with the loss and damage terminology).
- 5. Finding innovative ways of translating knowledge gathered by the workplan into implementable elements.
- 6. Provide signals for private sector to proactively engage on climate risk

#### 2. Making the mechanism meaningful: How the workplan relates to the WIM

The Warsaw International Mechanism provides a platform to explore and identify effective responses to climate change induced loss and damage, to expand the understanding of climate consequences and to find an appropriate mix of tools to address loss and damage. The workplan for the WIM, to be elaborated by the ExCom in its initial meeting, has to ensure that the mechanism develops into a meaningful, relevant and utile institution. It is important to note that the workplan is not for the ExCom itself but for the implementation of the mechanism's functions and the realization of the mechanisms goals.

#### Therefore

- 1. The purpose of the workplan should be to serve the WIM and its functions. Workplan activities therefore should help:
  - a. inform the structure of the WIM;
  - b. carry out the WIM's mandate;

- c. enhance the WIM's effectiveness.
- 2. The suggested workstreams for the 2-year workplan (p. 2) should be used as areas for the WIM;
- 3. The principles to guide the assembling of the workplan (above) should also be used as guiding principles for the work of the WIM including its committees and subcommittees;
- 4. The 2016 review should provide signposts for countries on activity gaps as well as the way forward.

#### 3. How to structure the workplan/elements that should be included in the workplan

The main goal of the mechanism will be to identify effective responses to climate change induced loss and damage. Accordingly it must aim at expanding the understanding of the consequences of the impacts of climate variability and change as well as finding the "appropriate mix of tools to address loss and damage". Hence, the work of a successfully implemented WIM should be framed by three workstreams facilitating enhanced action decided on in the Doha decision 3/CP 18 para 6³, 7⁴ as well as the WIM's functions defined in 2/CP. 19 para. 5.

- Workstream 1: Understanding and risk assessment (2/CP. 19 para. 5 (a))
- Workstream 2: Policy coherence (2/CP. 19 para. 5 (b))
- Workstream 3: Facilitating implementation (2/CP. 19 para. 5 (c), (b) i)

It is helpful to frame the discussion in terms of clear work streams (either as clearly defined agenda items, or as separate but complementary discussions) so that progress in one area is not dependent on progress in another. This approach will help ensure that Parties are supported in their goal to increase understanding of loss and damage issues by having a clearly structured and transparent structure. Additionally, the approach will ensure that Parties are supported in a pragmatic discussion that moves towards the articulation of implementation options which can then be sent to COP18 for consideration.

Figure 1 (below) illustrates these work streams.

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<sup>&</sup>lt;sup>2</sup> Warner (2013)

<sup>&</sup>lt;sup>3</sup> 3/CP 18, para 6 " *Invites* all Parties, taking into account common but differentiated responsibilities and respective capabilities and specific national and regional development priorities, objectives and circumstances, to enhance action on addressing loss and damage associated with the adverse effects of climate change, taking into account national development processes, by undertaking, inter alia, the following (...)".

<sup>&</sup>lt;sup>4</sup> 3/CP 18, para 7 "Acknowledges the further work to advance the understanding of and expertise on loss and damage, which includes, inter alia, the following (...)".

# Workstreams **Activities** Assessing risks WS 1: Understanding and Addressing gaps in understanding and expertise Collect and provide access to data assessing Identify new approaches, provide signposts Engage stakeholders Promoting an enabling environment Enhancing capacity building Fostering dialogue, coordination, coherence and synergies **WS 2: Policy coherence** Linking up Providing status updates Giving recommendations to the COP Providing leadership and coordination Facilitating the mobilization and securing of expertise, and enhancement of WS 3: Facilitating support, including finance, technology, capacity building Implementing comprehensive climate risk management approaches implementation Identify options for country driven risk management Strengthening and promoting regional collaboration Strengthening institutional arrangements

Figure 1: Workstreams and activities of the two-year workplan

### WS1: Understanding and assessment (2/CP. 19 para. 5 (a))

- 1.1 Assessing the risk of L&D, including slow onset impact (3/. 18 para. 6 (a))
- 1.2 Address gaps in understanding of and expertise in approaches to address L&D in the areas in para. 7 (a) of the Doha decision (3/CP. 18 para. 7 (a) i-vi, para. 6 (b)); 2/CP. 19 para 5 (a) i)
  - The risk of slow onset events, and approaches to address them;
  - Non-economic losses and damages;
  - How loss and damage affects those segments of the population that are already vulnerable, and how the implementation of approaches can benefit those segments;
  - Identification and development of appropriate approaches to address L&D, including through risk reduction, risk sharing and risk transfer tools, and approaches to rehabilitate from loss and damage;
  - The integration of approaches to address L&D into climate-resilient development processes;
  - How impacts of climate change are affecting patterns of migration, displacement and human mobility.
- 1.3 Collect and provide access to data (3/CP. 18 para. 6 (g), para. 7 (c); 2/CP. 19 para. 5 (a) ii)

- Strengthening and supporting the systematic observation of, and data collection on, the impacts of climate change, in particular slow onset impacts, for assessing the risks of L&D;
- Enhancing access to, sharing and the use of data, at the regional, national and subnational levels, to facilitate the assessment and management of climate-related risk.

#### 1.4 Identify new approaches to address L&D and provide signposts, respectively

- Identifying options and designing and implementing country-driven risk management strategies and approaches, including risk reduction, and risk transfer and risk-sharing mechanisms;
- Provide signposts where new approaches are needed in new places and new scales to dampen shocks of climate change on society.

#### 1.5 Stakeholder engagement: (3/CP. 18 6 (f))

• Involving vulnerable communities and populations, and civil society, the private sector and other relevant stakeholders, in the assessment of and response to loss and damage.

#### WS2: Policy coherence (2/CP. 19 para. 5 (b))

- 2.1 **Enabling environment**: Promoting an enabling environment that would encourage investment and the involvement of relevant stakeholders in climate risk management (3/CP. 18 para. 6 (e))
- 2.2 **Capacity building**: Enhanced capacity-building at the national and regional levels to address loss and damage associated with the adverse effects of climate change (3/CP. 18 para. 7 (e))
- 2.3 Foster dialogue, coordination, coherence and synergies among all relevant stakeholders, institutions, bodies, processes and initatives outside the Convention with a view to promoting cooperation across relevant work and activities at all level (2/CP. 19 para 5 (b) ii)
- 2.4 **Linking up**: Enhancing the coordination, synergies and linkages among various organizations, institutions and frameworks, to enable the development and support of approaches to address L&D, including slow-onset events, and comprehensive climate risk management strategies, including risk transfer tools. Linking to existing policy and implementation arenas that focus on managing climate risks, UNISDR system, humanitarian system and the wider development discourse (including limitations and gaps in the climate change contexts) (3/CP. 18 para. (c))
- 2.5 **Status updates**: Provide indication on what irreversible large-scale losses (e.g. through climate tipping elements) and systematic and cascading climate risks are posing a threat to Parties (2/CP. 19 para. 5 (b) i).
- 2.5 **Recommendations**: Give recommendations to the Conference of the Parties on consequences around mitigation and adaptation, loss and damage trade-offs (2/CP. 19 para. 5 (b) i, (c) ii)

### **WS3: Facilitating implementation**

3.1 **Providing leadership and coordination** and, as where appropriate, oversight under the Convention, on the assessment and implementation of approaches to address L&D (2/CP. 19 para. 5 (b) i)

- 3.2 Facilitating the mobilization and securing of expertise, and enhancement of support, including finance, technology, capacity building to (...) facilitate the implementation of additional approaches to address L&D (2/CP. 19 para. 5 (c) iii)
- 3.3 Implementing comprehensive climate risk management approaches, including scaling up and replicating good practices and pilot initiatives (3/CP. 18 para. 6 (d))
- 3.4 **Country driven risk management**: Identifying options and designing and implementing country-driven comprehensive climate risk management strategies and approaches, including risk reduction, and risk transfer and risk-sharing mechanisms (3/CP. 18 para. 6 (b))
- 3.5 **Regional collaboration**: Strengthening and promoting regional collaboration, centres and networks on strategies and approaches, including to address L&D, including slow onset events, including through risk reduction, risk sharing and risk transfer initiatives (3/CP. 18 para. 7 (d))
- 3.6 **Capacity building**: Enhanced capacity-building at the national and regional levels to address L&D (3/CP. 18 para 7 (e))
- 3.5 **Strengthening institutional arrangements** at the national, regional and international levels to address L&D (3/CP. 18 para. 7 (f))
- 3.6 **Stakeholder engagement**: Involving vulnerable communities and populations, and civil society, the private sector and other relevant stakeholders, in the assessment of and response to loss and damage (3/CP. 18 6 (f))

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# 4. Ideas for activities and deliverables on issues including comprehensive risk management, risk transfer / risk sharing

This next section provides input on actions, deliverables, possible timeframe and responsible actors for the workplan. **Annex 1 moreover provides** a detailed set of activities.

W S	Aim / Objective	Actions	Milestones / Deliverables	Timeframe	Responsible Actors
1	Assess, collect and share data on L&D <sup>5</sup>	Convene regional consultations of experts and relevant stakeholders.  Shared platform for national govs Data repository and standardized data Publically collected & open source data & hazard modeling for nat'l & regional risk management and investment decisions	Set of recommendations to WIM ExCom, GFCS Davos, UNEP-FI, etc.      Data repository and standardized data     Country focal points on DRR, that links and coordinates between UNFCCC, national comm and Hyogo reporting      Country reporting / scorecard     Country risk officer     Set of risk profiles for selected countries	2014-2016	UNFCCC, private sector, governments, development partners, etc. Suppliers of data, Metoffices Risk management professionals Regulators Possible organizations include: MCII, UNEP-FI, WMO, Geneva Association, etc.

<sup>&</sup>lt;sup>5</sup> 3/CP. 18, paras 6 (a), (c), (g)

1,3	Design and implement comprehensive climate risk management approaches <sup>6</sup>	Convening of regional consultation  South-South-North, bringing together similar ministries  Countries report on existing initiatives & identify gaps  Promote development of, compile, synthesize, analyse and review information  Monitor lessons learned from ongoing implementation  Provide technical guidance and support	Report on pilot cases     Disseminate information on pilot cases     Toolkit     Providing lessons learned and good practice at the country level     Mapping & FAQ     How to screen for future developments     Provide technical guidance and support     Steering committee to oversee design & implementation of comprehensive approaches	General: 2014- 2018 an beyond Side event: 2014, 2015, 2016 Pilots: 2014- 2015 Lessons learned from pilots & revision: 2017 Implementation of new calls for implementation : 2018	UNFCCC, private sector, governments, development partners, etc.  ARC, GFDRR, MCII, GIZ,
2	Enabling environment for comprehensive climate risk management <sup>7</sup>	<ul> <li>Consultations &amp; recommendations on</li> <li>Incentives to establishing appropriate regulatory / enabling environment and ensuring Long term commitment from relevant ministries and public champions</li> <li>Institutions: Define roles of public &amp; private actors</li> </ul>	Workshops with regulators and practitioners  Documents  outlining recommendations on regulatory / supervisory framework  technical paper on roles of different actors involved recommendations on how to establish funding streams to support education	Initial discussion between relevant actors: 2014 Outlining enabling environment: 2015-2016 Ongoing refinement:	UNFCCC, development partners, etc. Regulators(e.g. IAIS) Private & public actors, relevant ministries Banks

<sup>&</sup>lt;sup>6</sup> 3/CP. 18, paras 6 (b), (d) <sup>7</sup> 3/CP. 18, para 6 (e)

		<ul> <li>Instruments: Cost-effective distribution channels, availability of data, risk management education, etc.</li> <li>Mobilizing resources (investments) and expertise on enabling effective climate risk management</li> </ul>	campaigns, training & capacity development, risk reduction and financial risk management	2017-beyond	
1,3	Involving vulnerable communities in the assessment of and response to L&D <sup>8</sup>	Convene meetings of relevant experts & stakeholders  Parties, NGOs, private sector, vulnerable communities: Explore design and implementation of approaches to address loss & damage  Promote development of, compile, synthesise, analyse and review information  Parties should include NAPS concept into the review of the guidelines  Review ongoing initiatives on addressing loss & damage	Reviewed NAP guidelines that include approaches to address L&D     Recommendations on setting up a government branch / nat'l officer on L&D  Workshops & focus group discussions     Refining & designing implementation plans     Lessons learned & good practice on approaches that address L&D	2014-2018	UNFCCC, private sector, governments, development partners, etc. NAPS

<sup>&</sup>lt;sup>8</sup> 3/CP. 18, para 6 (f)

**Annex**Detailed set of activities

Aim / Objective	Actions	Milestones / Deliverables	Timeframe	Responsible Actors
3/CP. 18, para. 6				
(a) Assessing the risk of loss and damage associated with the adverse effects of climate change, including slow onset impacts	Acquire reliable data for managing climate risks (incl. insurance)  insurance risk assessments can help establish data standards and regional data analysis	data standards for risk assessment (incl. regional data analysis)  Open source data repositories (incl. satellite data & simulation models)  standardized hazard maps	2014-2016	UNFCCC Governments Development partners Private sector
(b) Identifying options and designing and implementing country - driven risk management strategies and approaches, including risk reduction, and risk transfer and risk-sharing mechanisms	Examine current knowledge on climate risk insurance and lessons learned	Workshop: Provides "toolkit" with steps to develop & implement a country-driven approach that includes insurance  2 (or more) pilot cases of countries implementing a comprehensive risk management approach based on the "toolkit"	workshop: 2014 pilots: 2015- 2016	UNFCCC: call for proposals  Governments: pilot implementation  Development partners, private sector: knowledge resource & capacity building
(c) The systematic observation of, and data collection on, the impacts of climate change, in particular slow onset impacts, and accounting for	setting up a global initiative to standardize the data gathered through the mechanism	regional workshops with relevant stakeholders to present innovative data sources, etc.	2014-2018	ARC: as example of regional entity that could convene conference and could

losses, as appropriate;		Create steering committee to		act as a regional "hub"
	Gathering relevant	coordinate inputs & outputs		to gather and organize
	stakeholders involved -			the process
	including national and	Technical document(s) outlining		
	regional entities that would	the agreed upon standards		
	be facilitated through a			
	regional risk management			
	center (i.e. ARC) and would			
	then report back to			
	international coordinating			
	entity (i.e. UNFCCC)			
	Agree on standards &			
	implement guidelines for			
	standardization through			
	selected pilot initiatives			
(d) Implementing comprehensive	Analyzing pilots from (b) and	Revised guidelines / toolkit on	2014-2016:	UNFCCC
climate risk management	distill lessons learned	how to implement	pilots from (b)	Governments
approaches, including scaling up		comprehensive risk	2017: first	Research institutions
and replicating good practices and	lessons learned helps	management approaches	lessons learned	Development partners
pilot initiatives;	enhance implementation		analysis &	Private sector
	guidelines (toolkit)	New calls from governments for	refinement of	
		new comprehensive risk	toolkit	
	implementation based on	management initiatives (i.e.	2018 and	
	enhanced guidelines	expression of interest)	beyond:	
			implementation	
	scaling up: countries	Gap analysis: Database on	of new calls	
	reporting back on existing initiatives & identifying gaps	ongoing initiatives by countries		

	(i.e. NAPA process)  monitoring lessons learned from ongoing implementation	Monitoring: ongoing workshops & publications on lessons learned / case study analysis		
(e) Promoting an enabling environment that would encourage investment and the involvement of relevant stakeholders in climate risk management	Establishment of appropriate regulatory environmentsEnsure long-term commitment of relevant ministries and public climate & disaster risk management initiativesClear roles of different actors involvedCost-effective distribution channelsAvailability of data (ref to a, c)Appropriate back-up mechanismsInvestment in risk management education	Workshops with regulators & practitioners to discuss optionsRegulatory and supervisory frameworkArticulated mandate from public and private sector actors to jointly tackle climate risk managementTechnical paper outlining the roles of each, the private sector and public sector actors involvedMapping / analysis of cost-effective distribution channelsData: refer to item (a), (c)Engaged discussion with international reinsurance & financial marketsEstablished funding streams to support	2014: initiation of discussion between relevant actors2015-2016: in-depth discussion on outlining enabling environment (incl. Roles, regulatory framework, commitments, etc.)2017-beyond: Ongoing refinement	UNFCCCGovernments (regulators, risk management)Private sector

	educational campaigns; trainings & capacity development on risk reduction and (financial) risk management; UNFCCC puts forth an agreed upon set of basic regulations to be adopted and fitted to the local country context	
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(f) Involving vulnerable	National: Dedicated	National: Dedicated	2014-2018 and	UNFCCC
communities and populations, and	government branch /	government branch / national	beyond	Governments, Parties
civil society, the private sector and	national officer to take care	officer to take care of all	With annual	that agreed to initiate
other relevant stakeholders, in the	of all relevant related	relevant related actions	conferences to	NAPA process
assessment of and response to loss	actions		report back on	Development partners
and damage		Communities: workshops, focus	lessons learned	Private sector
	Communities: Participatory	group discussions together with	and follow-up	
	approaches on design and	implementing agencies to refine	on revisions of	
	implementation of country	design & implementation plans	plans	
	initiatives			
		NGOs, private sector:		
	NGOs: active contributions	Conferences and workshops to		
	to design and	bring together ongoing		
	implementation of	initiatives on addressing L&D		
	approaches to address L&D	and report back on lessons		
		learned & good practice		
	Private sector: active			
	contributions to design and	reviewed NAP guidelines that		
	implementation of	include approaches to address		
	approaches to address L&D	L&D		
	Parties should link L&D with			
	NAPs concept and possibly			
	include it in the review of			
	the guidelines to be			
	conducted by the LDC expert			
	group			

(g) Enhancing access to, sharing and	Systematic capacity building:	Online public access to open	implementation	UNFCCC
the use of data, at the regional,	technical assistance to	source data on L&D and	of open source	Governments, Met
national and subnational levels,	facilitate dialogue across	mapping / analytical tools.	data initiatives:	offices
such as hydrometeorological data	countries on experience and		2015	Research Institutions
and metadata, on a voluntary basis,	lessons learned of designing	Guidelines can be spread		Development partners
to facilitate the assessment and	and implementing different	through regional conferences /	workshops &	Private sector
management of climate-related risk	tools.	workshops, presentations,	technical	
		publications, etc.	meetings: start	
	Pooling technical expertise	All relevant actors should be	in 2014 - have 1	
	and collaborative networks	invited to those events.	annual meeting	
	worldwide.		each year	
		Technical expert meetings in		
	Coordination of data	selected countries		
	repositories and encourage			
	coherence across			
	information frameworks.			
	Should also build on actions			
	under (a) and (c)			
3/CP. 18, para 7				

(a) Enhancing the understanding of	Please note: Refer to Para 6	Workshop: Provides "toolkit"	workshop: 2014	UNFCCC: call for
(iv) How to identify and develop	(b)	with steps to develop &	pilots: 2015-	proposals
appropriate approaches to address		implement a country-driven	2016	
loss and damage associated with	Examine current knowledge	approach that includes		Governments: pilot
the adverse effects of climate	on climate risk insurance	insurance		implementation
change, including to address slow	and lessons learned			
onset events and extreme weather		2 (or more) pilot cases of		Development partners,
events, including through risk		countries implementing a		private sector:
reduction, risk		comprehensive risk		knowledge resource &
sharing and risk transfer tools, and		management approach based		capacity building
approaches to rehabilitate from		on the "toolkit"		
loss and damage associated with				
the adverse effects of climate				
change				