

# 해외 출장 결과보고서

「6th International Disaster and  
Risk Conference IDRC Davos 2016」

참석

## I

### 출장 개요

■ 과제명	<여성의 생애주기별 안전강화를 위한 정책과제(I)>
■ 출장 목적	「6th International Disaster and Risk Conference IDRC Davos 2016」 발표자로 참석
■ 출장자	장미혜 선임연구위원
■ 출장지	스위스(다보스)
■ 출장기간	8월 27일(토) - 9월 2일(금) 5박 7일
■ 비용부담	일반과제 <여성의 생애주기별 안전강화를 위한 정책과제(I)> 여비

## II

### 출장 목적

☐ 「6th International Disaster and Risk Conference IDRC Davos 2016」 발표자로 참석

☐ Conference 소개

- International Disaster and Risk Conference IDRC는 지난 10년간 UN, IGO 및 NGO, 대학 및 민간 부분의 연구자와 전문가 그리고 정책결정자들이 모여 위험감소 및 재난관리에 대한 전체론적인 이해를 간 학문적 교류를 통해 도모할 수 있게 해 주는 플랫폼을 제공해 왔음.
- 이번 컨퍼런스의 목적 또한 재난관리와 위험 감소에 관한 신뢰성 있는 과학적 사실과 기술적 해결방법을 제시하고 다양한 전공의 학자 및 연구자들의 토론을 통해 위험 및 재난 영역에서 직면한 최근의 문제들을 해결할 수 있는 가능성을 찾고자 하며 산업과

정책 영역을 포함함으로써 더욱 실용적이고 혁신적인 해결방안을 모색함으로써 글로벌 위험요인의 감소를 함양하는 것에 있음.

- 2015년에 본원 기본과제로 수행되었던 <지역별 여성안전 현황과 위험대응역량 강화방안>의 내용을 기반으로 작성한 “Development of the Women’s Safety Index against Gender-based Violence: A Cross-Regional Analysis of Risk Factors in Seoul City” 제출하여 Oral presentation 대상으로 선정되어 발표하기 위해서 감

### III | 출장 인력 구성

---

- 출장자 : 장미혜 선임연구위원
- 출장자 선정 사유
  - 발표되는 Paper는 위의 연구자가 연구책임자였던 <지역별 여성안전 현황과 위험대응역량 강화방안>의 일부임

### IV | 출장 기간

---

- 2016.8.26.~9.2(5박 7일)

### V | 주요 조사 내용

---

- 최신 연구 동향 정보 수집
  - 연구자의 연구 주제인 여성안전 및 위험대응 역량 강화와 관련된 주제인 “Safety and security” issue에 대한 최신 연구 동향을 살피고 이를 본 연구자의 후속연구 및 기존연구 발전에 활용할 수 있는 방안을 모색할 예정
  - 더불어 Equity and inclusion in DRR (gender, disabilities,

migration, etc.)을 다루는 섹션 역시 후속연구 및 기존 연구 활용에 큰 도움이 될 것으로 예상됨

VI

출장 세부 일정

일시		내용
8.27 (토)	15:30 -20:00 도착	8월 27일 15시 30분 인천 출발 8월 27일 20시 취리히 도착
8.28 (일)	14:30- 16:00	오전: 취리히 → 쿠어 → 다보스로 이동(열차편) 14시 30분 컨퍼런스 참석자 등록(Participants Registration)
	16:00- 18:30	컨퍼런스 공식 개최 행사(Official Conference Opening Ceremony)
	18:30- 20:00	리셉션 및 포스터 세션(Welcome Reception and Poster Session Opening)
8.29 (월)	8:30am- 10:00am	Session 1: Terrorism Preparedness and Response
		Session 2: Inclusive DRR: Fainess for the Most Vulnerable
		Session 3: Public Health: New Insights and Novel Approaches
		Session 4: Integrative Risk Management : Assessments, concepts and Scenarios
	10:30am- 12:30pm	우수 연구성과 발표 세션 Plenary Session 1 : Implementing Resilience in a World of Interconnectedness and Emerging Challenges
	12:30pm- 1:30pm	Networking lunch
		Poster Session 1 : Natural and Man-Made Disasters: Potential Impacts, Analyses and Damage Assessments Poster Session 2 : Communication and Outreach DRR: Community-Based Actions and Best Practices
	1:30pm- 3:00pm	컨퍼런스 발표(발표자 Chang Mi Hye) Session 5: Risk and Resilience Indices : Development of the Women's Safety Index against Gender-based Violence: A Cross-Regional Analysis of Risk Factors in Seoul City
	3:15pm- 4:45pm	우수 연구성과 발표 세션 Semi Plenary 2a, 2b : Anti-corruption as part of an Integrative Risk Management – Experiences from the Non-Profit, Public and Private Sector : The Role of the Media in DRR
	5:00pm-	Session 9 : Integrative Planning Towards Resilient Networks

일시		내용
	6:30pm	and Cities
		Session 10: Getting Ready-emergency Planning
		Session 11: Organizational Resilience and Business Risk Management
		Session 12: Community-Based and Empowerment Initiatives
8.30 (화)	8:30am-10:00am	Session 13: Resilient Energy Infrastructure: Energy Security and Sustainability Implications
		Session 14: Earthquake Resistance of the Built Environment
		Session 15: Climate Change Impacts and Risks
		Session 16: Awareness and Preparedness in Integrative Risk Management
	10:30am-12:30pm	우수 연구성과 발표 세션 Plenary 3 : 5 Years from the 11 March 2011 East Japan Earthquake and Tsunami
	12:30pm-1:30pm	Networking lunch
		Poster Session 3 : Disaster Toolbox: Models, Frameworks and indicators
		Poster Session 4 : Integrative Disaster Risk Management: From Forecasting to Restoration strategies
	1:30pm-3:00pm	Semi-Plenary 4a: Flood Resilience
		Semi-Plenary 4b: Environmental Risks
	3:15pm-6:30pm	Session 17: Country Risk Management : Case Studies
		Session 18: Harmonizing DRR and CCA in Urban Areas
		Session 19: Risk Mapping and Spatial Assessment Tools
		Session 20: Integrating Migrants in Crisis Preparedness, Response and Recovery In Countries of Destination
		Session 21: Emergency Management: Efficiency and Decision Making Strategies
		Session 22: Resilience : Methods, Tools and Indicators
8.31 (수)	8:15am-9:45am	Session 23: Media Workshop: Lessons to be Shared Between Japanese and European Media to Enable the Public to Better Cope with Disasters
		Session 24: Critical Infrastructure Protection in Urban Areas
		Session 25: water in Risk and Disaster Management
		Session 26: Public Private partnership in Risk and Disaster Management
	10:15am-11:45am	Session 27: People, Debris and Shelter management
		우수 연구성과 발표 세션 Plenary 5 _ SIFE, University of Applied Sciences HTW Chur : Country Risk Management Strategies: Challenges and Opportunities
	12:00pm-1:00pm	우수 연구성과 발표 세션 Plenary 6 _ Plenary Session co-hosted and chaired by SwissRe : Country Risk Management Strategies: Challenges and Opportunities

일시		내용
	1:00pm-2:00pm	Networking lunch
		Poster 5: Urban areas and Critical Infrastructure: Challenges and Opportunities for Resilient Cities
	2:00pm-3:30pm	Session 28: Risk Transfer Mechanisms in DRR
		Session 29: Towards Resilient Built Environment
		Session 30: Resilience: New Approaches and Case Studies
		Session 31: Relocation and Resettlement Challenges
	3:45pm-5:15pm	우수 연구성과 발표 세션 Plenary 7 : Navigating Urban Resilience - a Social-Ecological Approach
	5:30pm-6:30pm	컨퍼런스 폐막(Closing Ceremony)
9.01 (목)	9:00am-12:00pm	Workshop 1: Education, Trading and Awareness Raising
		Workshop 2: Food Shock Scenarios
		Workshop 3: Anti-Corruption as Part of an Integrative Risk Management
	12:00pm-1:00pm	Networkng Lunch
	1:00pm-3:00pm	Workshop 1 cont: Education, Trading and Awareness Raising
		Workshop 2 cont: Food Shock Scenarios
		Workshop 3 cont: Anti-Corruption as Part of an Integrative Risk Management
9.02 (금)	21:35 9월 2일 15:20	다보스 → 취리히 국제공항 이동 9월 1일 21시 31분 스위스 취리히공항 출발 9월 2일 15시 25분 인천공항 도착

## VII | 출장 소요예산

☐ 예산비목 : 여성의 생애주기별 안전강화를 위한 정책과제-국외여비

☐ 세부내역

예산항목	편성내역	
국외여비	(항공권) 항공료 1,846,000원×1명 = 1,846,000원	
	(체재비) 1,491,000원	
	합계 3,337,000원	



"From Thoughts to Action"

Global Risk Forum GRF Davos, IDRC 2016 Secretariat, Promenade 35, CH-7270 Davos, Switzerland

Korean Women's Development Institute(KWDI)  
Research Department for Women's Human Rights & Safety  
Dr. Mi-Hye CHANG  
KWDI(Korean Women's Development Institute), 225 Jinheung-ro,  
Eunpyeong-gu, Korea  
Seoul 03367  
Korea, Republic of (South Korea)

Global Risk Forum GRF Davos  
IDRC 2016 Secretariat  
Promenade 35  
CH-7270 Davos  
Switzerland

Davos, Switzerland, 27/May/2016

#### Invitation Letter to the International Disaster and Risk Conference IDRC Davos 2016

To Whom It May Concern

This letter is to confirm that **Dr. Mi-Hye CHANG** is kindly invited to participate in the **6th International Disaster and Risk Conference IDRC Davos 2016**, to be held in Davos, Switzerland, Switzerland from 28 August - 1 September 2016. The IDRC Davos 2016 is organized by the Foundation Global Risk Forum GRF Davos, and is expected to gather over 1'200 participants from all over the world. We kindly request you to issue the according visa for Dr. Mi-Hye CHANG for a stay of a maximum duration of 30 days in the period from 15 August to 15 September 2016. Please find all necessary details below:

**Last Name / Family Name:** CHANG

**First & Middle Name:** Mi-Hye

**Day of Birth:** 1964-06-12

**Place of Birth:** South Korea

**Nationality:** South Korean

**Passport No.:**

**Date of Arrival:**

*Please go to "Edit User Account Details" to complete your personal details.*

Please note that the conference organisation is assisting in arranging for accommodation for IDRC Davos participants.

We are looking forward to welcoming Dr. Mi-Hye CHANG at the 6th International Disaster and Risk Conference IDRC Davos 2016. For any further information we are at your disposal at any time.

Yours sincerely,

Walter J. Ammann  
Chairman IDRC Davos 2016  
President GRF Davos



Korean Women's Development Institute(KWDI)  
 Research Department for Women's Human Rights & Safety  
**Dr. Mi-Hye CHANG**  
 KWDI(Korean Women's Development Institute), 225 Jinheung-ro,  
 Eunpyeong-gu, Korea  
 Seoul 03367  
 Korea, Republic of (South Korea)

Global Risk Forum GRF Davos  
 IDRC 2016 Secretariat  
 Promenade 35  
 CH-7270 Davos  
 Switzerland

Tax No.: CHE-114.620.712  
 EU VAT-ID: MwStCHE-  
 114.620.712

User ID: 4261  
 Invoice No.: IDRC 2016-00172  
 Registration Date: 24/May/2016 (Normal registrant)  
 Status: Regular Participant / Presenter

Davos Platz, 24/May/2016

## Invoice and Registration Confirmation

Dear Dr. Mi-Hye CHANG,

With this letter we would like to inform you that we have received your registration for "6th International Disaster and Risk Conference IDRC Davos 2016". We confirm that you have registered for the following:

Qty.	Description		Unit Price	Fee
1	Full Conference Registration		€ 780.00	€ 780.00
Total Amount				€ 780.00

Payment in full has been received. Thank you.

With best regards,

Global Risk Forum GRF Davos  
 IDRC 2016 Secretariat  
 Promenade 35  
 CH-7270 Davos Platz  
 Switzerland  
 Tel. +41 81 414 16 00  
 Fax. +41 81 414 16 10  
<http://www.grforum.org>





**Korean Women's Development Institute(KWDI)**  
**Research Department for Women's Human Rights & Safety**  
**Dr. Mi-Hye CHANG**  
**KWDI(Korean Women's Development Institute), 225 Jinheung-ro,**  
**Eunpyeong-gu, Korea**  
**Seoul 03367**  
**Korea, Republic of (South Korea)**

Global Risk Forum GRF  
 Davos  
 IDRC 2016 Secretariat  
 Promenade 35  
 CH-7270 Davos  
 Switzerland

Tax No.: CHE-114.620.712  
 EU VAT-ID: MwStCHE-  
 114.620.712

Davos, 27/May/2016

Customer Reference Number: 4261  
 Registration Date: 24/May/2016 (Normal registrant)  
 Status: Regular Participant / Presenter

### Payment Receipt for 6th International Disaster and Risk Conference IDRC Davos 2016

Dear Dr. Mi-Hye CHANG,

You are registered as participant. The total fee amounts to: EUR 780.00.  
*Selected payment method:* Via credit card, using a secure online payment service.

Payment in full has been received. Thank you.

List of Payments Made to Date	
<i>Date:</i> 27/May/2016	<i>Amount:</i> EUR 780.00 <i>Payment Information:</i> Saferpay ID: j8d2OvA81jn5rA3UnQnxbWC1lICb, Order ID: IDRC16-04261
<i>Paid in total</i>	<b>EUR 780.00</b>
<i>Amount due</i>	<b>EUR 0.00</b>

With best regards,

Global Risk Forum GRF Davos  
 IDRC 2016 Secretariat  
 Promenade 35  
 CH-7270 Davos Platz  
 Switzerland  
 Tel. +41 81 414 16 00  
 Fax. +41 81 414 16 10  
<http://www.grforum.org>

## IDRC Davos 2016 CONFERENCE AGENDA

Date: Sunday, 28/Aug/2016

2:30pm - 4:00pm	Participants Registration
4:00pm - 6:30pm	<p>Opening: Official Conference Opening Ceremony</p> <p>Welcoming Remarks:</p> <ul style="list-style-type: none"> <li>• Walter J. AMMANN - Chairman IDRC Davos 2016 - CEO Global Risk Forum GRF Davos - Davos - Switzerland</li> <li>• Tarzislus CAVIEZEL - Mayor of Davos - Davos - Switzerland</li> </ul> <p><b>Special Musical Highlight</b> Julia Gloor's Ensemble Element with Volkstoetenen</p> <ul style="list-style-type: none"> <li>• Glockenruf: Small bells will be played that resemble goats and cowbells, concluded by ...</li> </ul>
6:30pm - 8:00pm	<p>Welcome Reception and Poster Session Opening</p> <p>WALK &amp; TALK WITH SPEAKERS &amp; ARTISTS</p> <p>Topic 1: Natural and Man-Made Disasters: Potential Impacts, Analyses and Damage Assessments</p> <p>Topic 2: Integrative Disaster Risk Management: From Forecasting to Restoration Strategies</p> <p>Topic 3: Communication and Outreach DRR: Community-Based Actions and Best Practices</p> <p>Topic 4: Urban Areas and Critical...</p>

Date: Monday, 29/Aug/2016

8:30am - 10:00am	Session 1: Terrorism Preparedness and Response	Session 2: Inclusive DRR: Fairness for the Most Vulnerable	Session 3: Public Health: New Insights and Novel Approaches	Session 4: Integrative Risk Management: Assessments, Concepts and Scenarios
10:00am - 10:30am	Networking Break			
10:30am - 12:30pm	<b>Plenary 1: Implementing Resilience in a World of Interconnectedness and Emerging Challenges</b> <i>Plenary Session co-hosted and chaired by DG JRC, European Commission</i> SESSION CHAIR: Georg PETER, Head of Unit, DG JRC, European Commission, Ispra, Italy PANELLISTS: <ul style="list-style-type: none"><li>• Paul Th. GELTON, Director Resilience, National Coordinator for Counterterrorism and Security, Ministry of Security and Justice, The Hague, The Netherlands</li><li>• Arnoud MOLENAAR, Chief</li></ul>			
12:30pm - 1:30pm	Networking Lunch	Poster 1: Natural and Man-Made Disasters: Potential Impacts, Analyses and Damage Assessments	Poster 2: Communication and Outreach DRR: Community-Based Actions and Best Practices	
1:30pm - 3:00pm	Session 5: Risk and Resilience Indices	Session 6: Governance Challenges and Emerging Risks	Session 7: Migrants, Asylum Seekers and Refugees in the Context of Major Risks and Prevention and Management	Session 8: Effective Risk and Crisis Communication
3:00pm - 3:15pm	Break			
3:15pm - 4:45pm	<b>Semi-Plenary 2a: Anti-corruption as part of an Integrative Risk Management – Experiences from the Non-Profit, Public and Private Sector</b> <i>Plenary Session co-hosted and chaired by Swiss Institute for Entrepreneurship (SIFE), University of Applied Sciences HTW Chur, Chur, Switzerland</i> SESSION CHAIR: Christian HAUSER, Professor, Business Economics and International Management, PRME Business Integrity Action Center, Swiss Institute for Entrepreneurship (SIFE), University of Applied...		<b>Semi-Plenary 2b: The Role of the Media in DRR</b> <i>Plenary Session co-hosted and chaired by International Research Institute of Disaster Science IRIDeS, Tohoku University, Sendai, Japan</i> SESSION CHAIR: Yutchi ONO, Assistant Director and Professor, International Research Institute of Disaster Science IRIDeS, Tohoku University, Sendai, Japan PANELLISTS: <ul style="list-style-type: none"><li>• Yutchi ONO, Assistant Director and Professor,</li></ul>	
4:45pm - 5:00pm	Break			
5:00pm - 6:30pm	Session 10: Getting Ready - Emergency Planning	Session 11: Organizational Resilience and Business Risk Management	Session 12: Community-Based and Empowerment Initiatives	Session 9: Integrative Planning Towards Resilient Networks and Cities

## VIII

## 붙임4: 증빙자료 (Conference program 계속)

Date: Wednesday, 31/Aug/2016

8:15am - 9:45am	Session 24: Critical Infrastructure Protection in Urban Areas	Session 25: Water in Risk and Disaster Management	Session 26: Public Private Partnership in Risk and Disaster Management	Session 27: People, Debris and Shelter management
9:45am - 10:15am	Networking Break			
10:15am - 11:45am	<b>Plenary 5: Country Risk Management Policies: Challenges and Opportunities</b> <i>Plenary Session co-hosted and chaired by Swiss Institute for Entrepreneurship (SIFE), University of Applied Sciences HTW Chur, Chur, Switzerland</i> SESSION CHAIR: Stéphane JACOBZONE, Counsellor, Public Governance and Territorial Development Directorate, OECD, Paris, France PANELLIST S: <ul style="list-style-type: none"> <li>Stéphane JACOBZONE, Counsellor, Public Governance and Territorial</li> </ul>			
11:45am - 12:00pm	Break			
12:00pm - 1:00pm	<b>Plenary 6: Country Risk Management Strategies: Challenges and Opportunities</b> <i>Plenary Session co-hosted and chaired by SwissRe</i>			
1:00pm - 2:00pm	Networking Lunch		Poster 5: Urban Areas and Critical Infrastructure: Challenges and Opportunities for Resilient Cities	
2:00pm - 3:30pm	Session 28: Risk Transfer Mechanisms in DRR	Session 29: Towards Resilient Built Environment	Session 30: Resilience: New Approaches and Case Studies	Session 31: Relocation and Resettlement Challenges
3:30pm - 3:45pm	Break			
3:45pm - 5:15pm	<b>Plenary 7: Navigating Urban Resilience - a Social-Ecological Approach</b> <i>Plenary Session co-hosted and chaired by University of Denver, Denver, USA</i> SESSION CHAIR: James Herbert WILLIAMS, Professor and Milton Morris Endowed Chair, Dean, Graduate School of Social Work, Denver, USA PANELLIST S: <ul style="list-style-type: none"> <li>James M. SHULTZ, Founder and Director, Center for Disaster and Extreme Event Preparedness (DEEP Center), University of Miami</li> </ul>			
5:30pm - 6:30pm	Closing Ceremony Awards and Announcement IDRC Sendal 2017 / World Bosal Forum			
7:00pm - 8:00pm	Conference Dinner			

Date: Thursday, 01/Sep/2016

9:00am - 12:00pm	Workshop 1: Education, Training and Awareness Raising by GRF Davos	Workshop 2: Food Shock Scenarios by GCRI (Global Catastrophic Risks Institute)	Workshop 3: Anti-Corruption as Part of an Integrative Risk Management by University of Applied Sciences HTW Chur
12:00pm - 1:00pm	Networking Lunch		
1:00pm - 3:00pm	Workshop 1 cont.: Education, Training and Awareness Raising by GRF Davos	Workshop 2 cont.: Food Shock Scenarios by GCRI (Global Catastrophic Risks Institute)	Workshop 3 cont.: Anti-Corruption as Part of an Integrative Risk Management by University of Applied Sciences HTW Chur



## IDRC Davos 2016 CONFERENCE AGENDA

## Session

## Session 5: Risk and Resilience Indices

Time: Monday, 29/Aug/2016: 1:30pm - 3:00pm

## Presentations

A\* A\* A<sup>U</sup> ©**Development of the Women's Safety Index against Gender-based Violence: A Cross-Regional Analysis of Risk Factors in Seoul City****Mi-Hye CHANG<sup>1</sup>, Sunghoon RHO<sup>2</sup>**<sup>1</sup>Korean Women's Development Institute(KWDI), Korea, Republic of (South Korea); <sup>2</sup>Korean National Police University, Korea, Republic of (South Korea)

The impact and resilience of risk is stratified in gendered way of socio-cultural context since women and men are differentiated in power relations. Women are more likely to be targeted by gender-based violence in their daily lives – such as, domestic violence, sexual violence and other form of criminal damages. It is important to understand current situation of violence committed against women in order to come up with effective policies for women's safety. Local community is particularly a basis of risk governance to build up women's safe environment.

The purpose of this study is to investigate potential factors of local environment that might be vulnerable to gender-based violence in Seoul City, South Korea. Our study employed two empirical strategies as follow.

First, we developed the Women's Safety Index (hereafter, WSI) on the basis of local community. WSI measures a number of items reflecting local characteristics on women's safety – e.g., socio-economic status and the proportion of female-headed households etc. We found that there is a correlation between WSI and women's safety conditions in several cases. Then we separated three clusters from Seoul's regions according to safety level of gender-friendly environment.

Second, we conducted a comparative analysis on regional spots that have frequently occurred gender-based violence (Hot-spot) or that have less frequently gender-based violence (Cold-spot) in Seoul. To select Hot-spot or Cold-spot, we analyzed 389 cases of family violence data from family violence helpline operated by Seoul Metropolitan Police Agency (KICS) in 2014. Then we employed Geo-Coding analysis by using X-Ray Map based on 25 different administrative districts in Seoul. We found there is a significant difference between Hot-spots and Cold-spots with regard to environmental traits of local community.

These results means prevention system against gender-based violence should be deliberated and designed within more relevant basis of a real women's life-space.