Experience as a Coordinating Lead Author of an IPCC Report
(IPCC Special Report on Extremes)

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IPCC Special Report on “Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation” (SREX)

- Joint WG I and II report
- Release of full report: March 2012
- Preparation: 2009-2012
- 87 Coordinating Lead Authors (CLAs) and Lead Authors (LAs)
- 18’784 review comments
- 4 Lead Author writing team meetings
- Approval plenary: Kampala, Uganda, November 2011
- Norway: proposal at P29 (31 Aug – 4 Sept 2008)
  - in cooperation with ISDR (International Strategy for Disaster Reduction)
- Revised proposal at B38 (24-25 Nov 2008)
- Scoping meeting (23-26 Mar 2009)
- Panel decision at P30 (21-23 Apr 2009)
- Four Lead Author Meetings
  - LA1, Panama City, Panama (9-12 Nov 2009)
  - LA2, Hanoi, Vietnam (22-25 Mar 2010)
  - LA4, Gold Coast, Australia (16-19 May 2011)
- 1st Joint Session of WGI/WGII: Kampala, Uganda (14-19 Nov 2011)
Changes in Climate Extremes and their Impacts on the Natural Physical Environment

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This chapter should be cited as:
Outline SREX

1. Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, & Resilience
2. Determinants of Risk: Exposure & Vulnerability
3. Changes in Climate Extremes and their Impacts on the Natural Physical Environment
5. Managing the Risks from Climate Extremes at the Local Level
6. National Systems for Managing the Risks from Climate Extremes and Disasters
7. Managing the Risks: International Level & Integration Across Scales
8. Toward a Sustainable & Resilient Future
9. Case Studies
Outline SREX

1. Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, & Resilience
   - WG II

2. Determinants of Risk: Exposure & Vulnerability
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   - WG II

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   - WG II

9. Case Studies
   - WG II

WG I: The Science of Climate Change
WG II: Impacts, Adaptation, and Vulnerability
## Outline SREX

1. **Climate Change: New Dimensions in Disaster Risk, Exposure, Vulnerability, & Resilience**
   - 2 CLAs, 6 LAs, 6 CAs, 40pp.

2. **Determinants of Risk: Exposure & Vulnerability**
   - 2 CLAs, 7 LAs, 9 CAs, 44pp.

3. **Changes in Climate Extremes and their Impacts on the Natural Physical Environment**
   - 2 CLAs, 12 LAs, 28 CAs, 122pp.

4. **Changes in Impacts of Climate Extremes: Human Systems and Ecosystems**
   - 3 CLAs, 9 LAs, 22 CAs, 60pp.

5. **Managing the Risks from Climate Extremes at the Local Level**
   - 2 CLAs, 6 LAs, 13 CAs, 48pp.

6. **National Systems for Managing the Risks from Climate Extremes and Disasters**
   - 2 CLAs, 6 LAs, 13 CAs, 54pp.

7. **Managing the Risks: International Level & Integration Across Scales**
   - 2 CLAs, 6 LAs, 5 CAs, 43pp.

8. **Toward a Sustainable & Resilient Future**
   - 3 CLAs, 6 LAs, 19 CAs, 50pp.

9. **Case Studies**
   - 3 CLAs, 8 LAs, 36 CAs, 56pp.

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**CLA**: Coordinating Lead Author, **LA**: Lead Author, **CA**: Contributing Author
Changes in climate extremes and their impacts on the natural physical environment

Authors: Sonia Seneviratne, Neville Nicholls, David Easterling, Clare Goodess, Shinjiro Kanae, James Kossin, Yali Luo, Jose Marengo, Kathleen McInnes, Mohammad Rahimi, Markus Reichstein, Asgeir Sorteberg, Carolina Vera, Xuebin Zhang, and 28 CAs

• **Complexities:** First time that literature on extremes was synthesized by a single team; new uncertainty guidance

• Provided regional assessments of observed and projected changes in extremes for 26 regions

• More literature (~ 1100 references in Chapter 3; >70% of these published since AR4)

• >5’000 comments on chapter 3 material (out of ~18’000 total for SREX); ~4’600 CLA-CLA emails…
Tasks of Coordinating Lead Authors

IPCC WG Co-Chairs
IPCC WG TSUs

CLAs of other chapters

CLA

SPM writing team

Approval plenary (1 week) with government representative

Line-by-line approval

REs

LA team

Written comments and answers

Experts and Government reviewers

CAs

CLA

CLA
The most challenging parts

• Keeping the schedule and aiming at being 100% accurate (new relevant literature, number of comments, interactions with other chapters, risky “nice-to-have” items)

• Organizing teleconferences across 8-9 time zones

• Managing the email flood (e.g. >90 SREX emails on August 5 2011…)

• Double-checking excel-tables with >2000 comments

• Lack of sleep at approval session… (e.g. taking decisions at 3 am on Friday)

• Media contacts while being in Uganda…