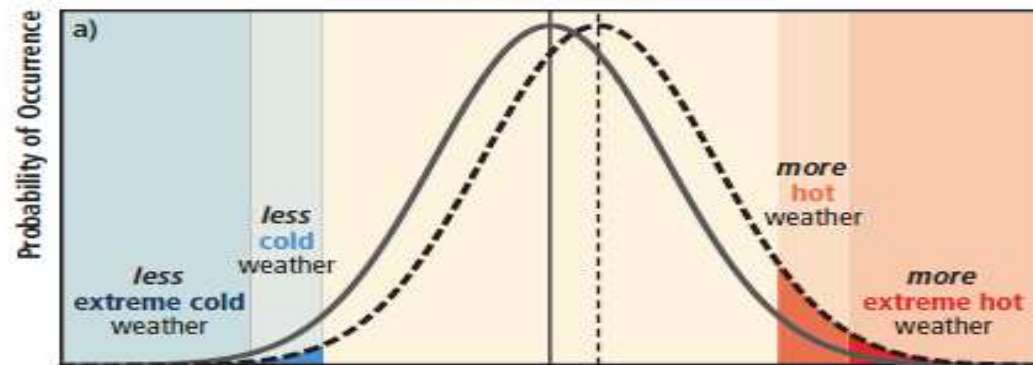


The IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation

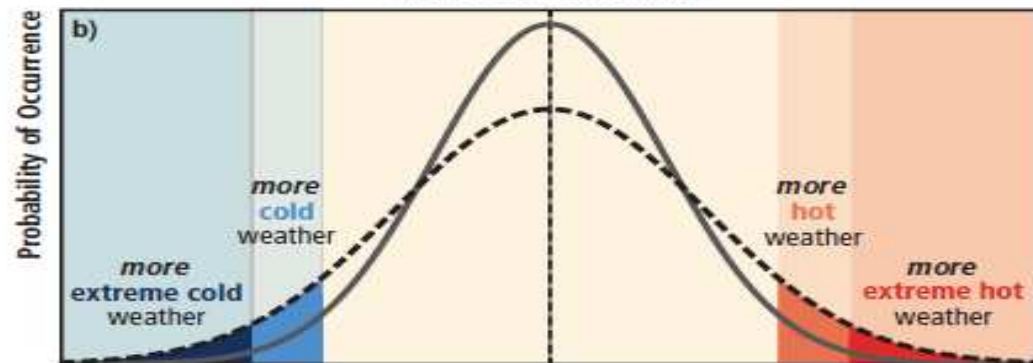


Úrsula Oswald Spring
National Autonomous University of Mexico (CRIM-UNAM)
First MRF-Chair on Social Vulnerability of UNU-EHS
National Coordinator of Water Research in Mexico

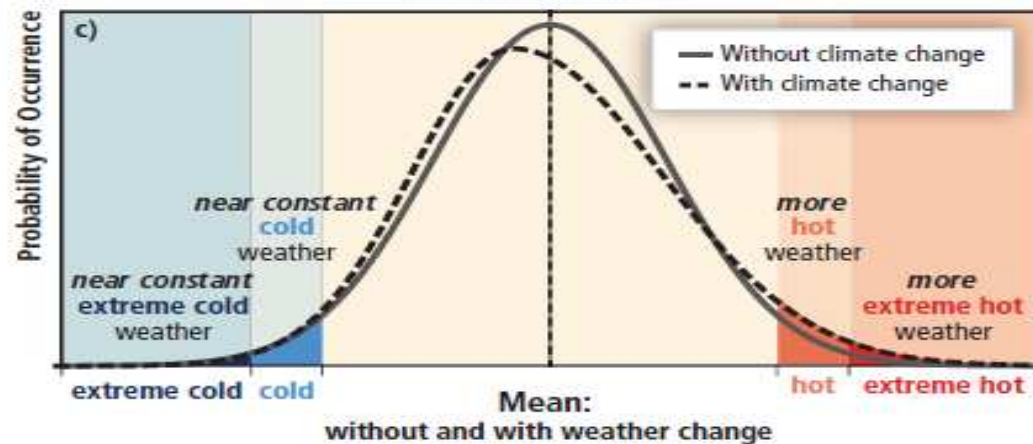
Shifted Mean



Increased Variability



Changed Symmetry



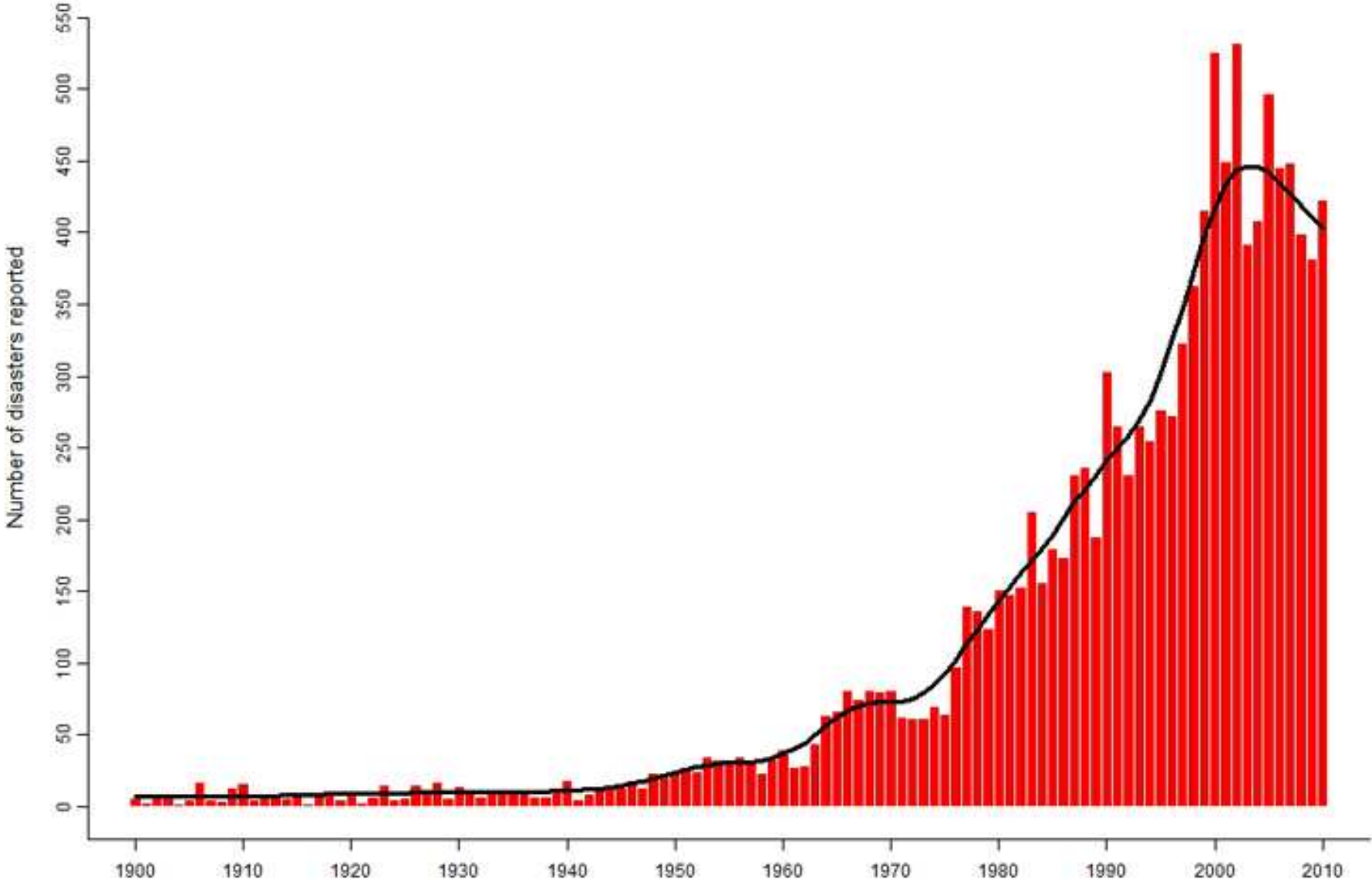
What has changed?

IPCC-SREX, 2012

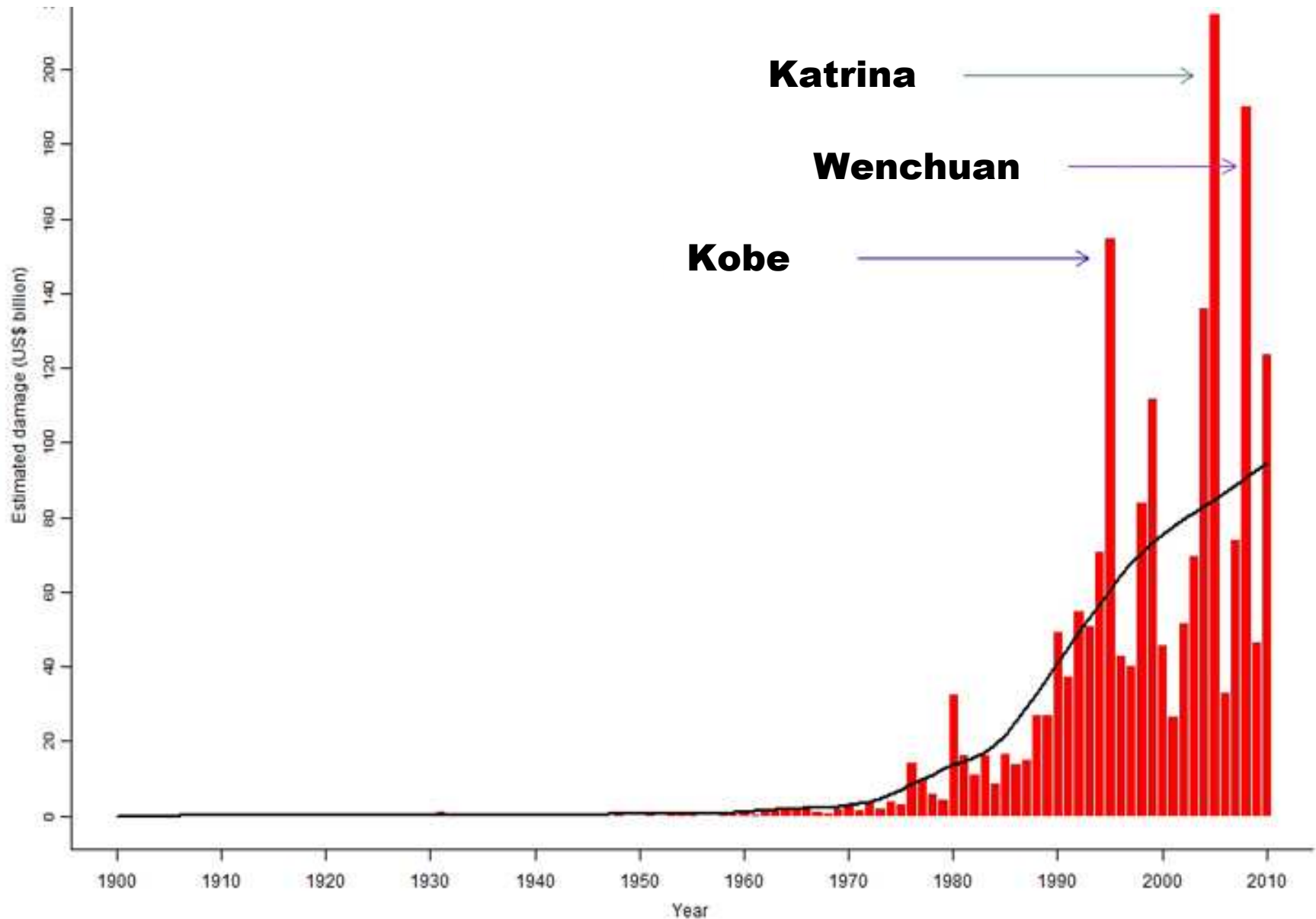
Major disasters and economic losses



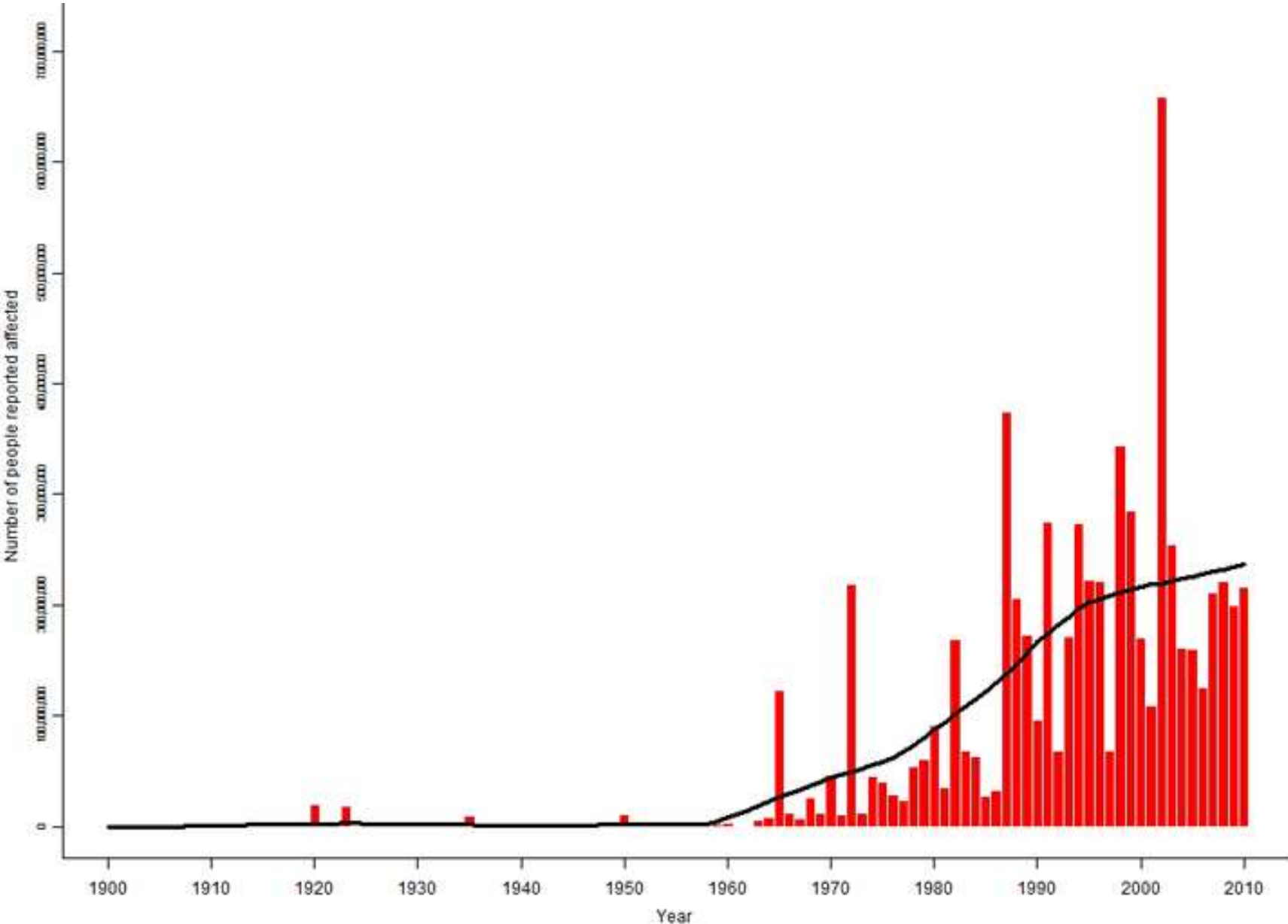
Natural disasters reported: 1990-2010



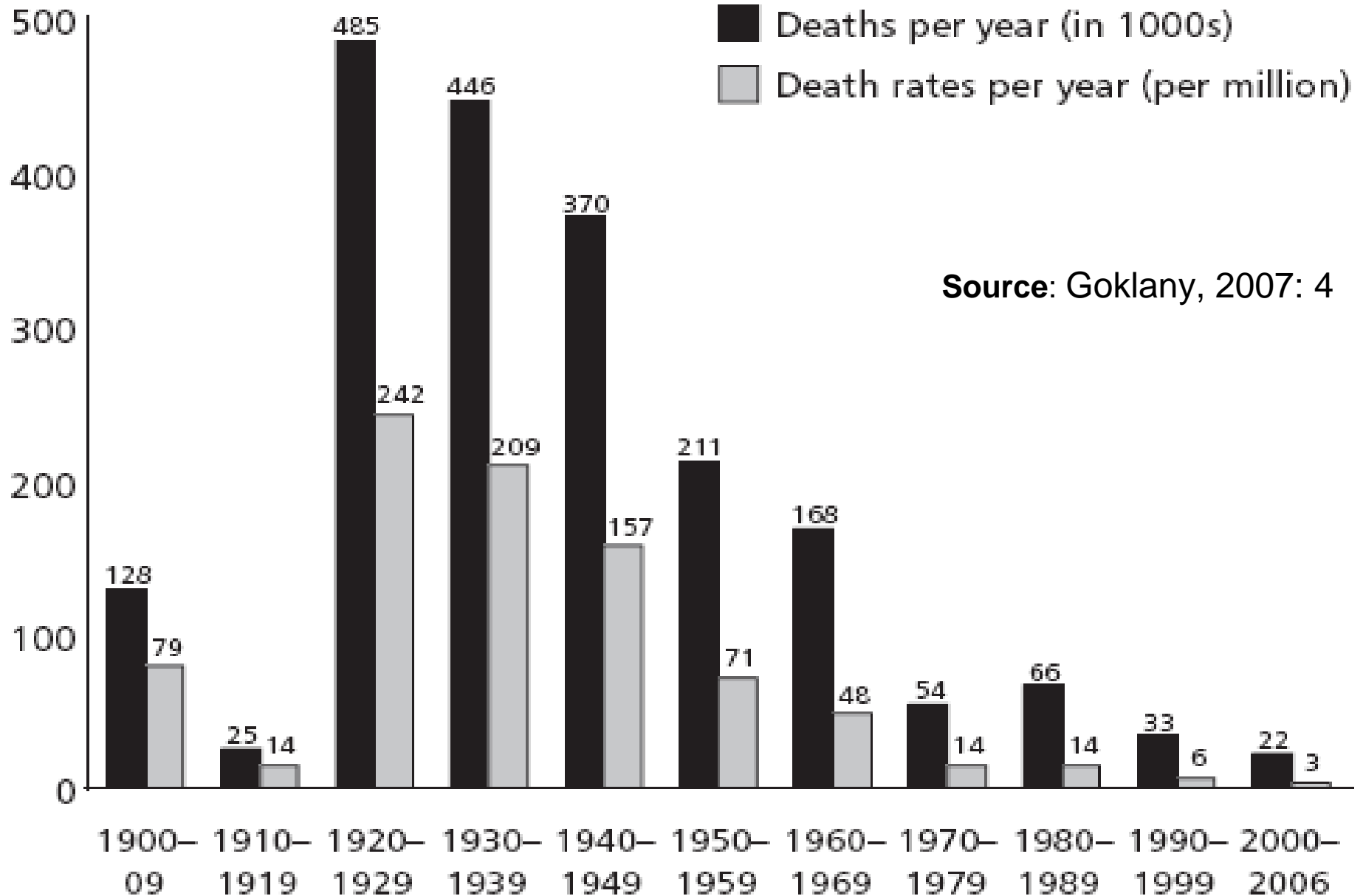
Estimated damages (bn USD): 1990-2010



Affected people



More disasters, but less death



Source: Goklany, 2007: 4

Learning by doing

- **Link up sustainable development with environmental policies**
- **Preventive behavior reduce in 1:7 economic damages and avoids human losses**
- **Transfer risks with micro-insurance and promote development with micro-credits, involving women and men**
- **Closer cooperation between DRR, climate adaptation and development policies optimizes scarce resources**
- **Developing modern and adapted technology to create resilience**
- **Multi-hazard risk management approaches allow to reduce complex and compound hazards**
- **Inequality (social) and geographical vulnerability increases risks and human losses**
- **Women and girls are highly exposed (68-90% of death); training and empowering reduce their social vulnerability**
- **Stronger efforts at international level not necessarily lead to substantive and rapid results at local level**
- **Regional cooperation (within Central America and Mexico) could improve technology and training in DRR**

Some personal comments

- Looking at the policy drafting committee: 11 from USA and Canada
- 10 from Europe
- 3 from Australia
- 3 from Latin America
- 1 from Africa
- 1 from Asia (Japan)

Must be better distributed, due that the risks and disasters are mostly in Asia and Africa and the developing countries are highly geographical and socially vulnerable