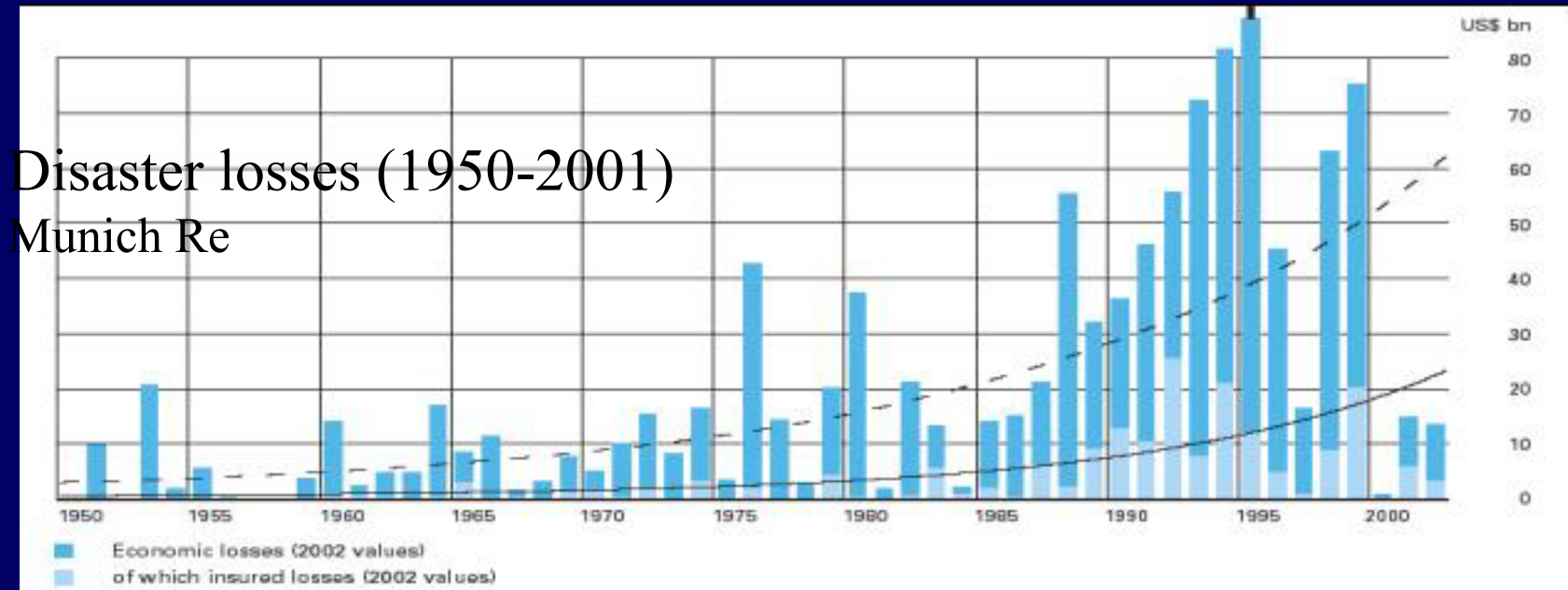


Living with Risk
High Level Round Table 2

Hans van Ginkel
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The Challenge

- ❑ **World-wide we are not arresting disaster losses. What do we need to know more?**



- ❑ **It is clear that we need to “KNOW RISK” better and take immediate action to “REDUCE RISK”**

Needs

□ **Much is already known in general terms...**

□ **What is required:**

- **In depth specific knowledge**
- **Integrated approaches for implementation: Theory to Practice**
- **Move from a re-active to a pro-active culture**

HOW?

- **Through an increased commitment and investment on RESEARCH and LEARNING (Education) to increase knowledge on..**
 - **Knowing Risk – Coping with vulnerability**
 - **Preparing for the unforeseen**
 - **Disaster Management within Sustainable Development**

Knowing Risk – Coping with Vulnerability

EARTH SYSTEMS

- ❑ **Complex Systems**
 - Seismic activity, Hydrological Cycle, Sea Currents
- ❑ **Multi-Hazards**
- ❑ **Environmental Change (Sudden and Creeping)**
 - Climate
 - Land (Degradation, Land cover change)

SOCIETY

- ❑ **Complexity / Density**
- ❑ **Isolation / Poverty**
- ❑ **Resistance / Resilience**

Preparing for the Unforeseen

CATASTROPHIC EVENTS

- ❑ **Early Warning**
- ❑ **Interlinkages**
- ❑ **Modeling / Scenarios**
 - **Accuracy**
 - **Resolution**

HUMAN BEHAVIOUR

- ❑ **Knowledge /
Understanding**
- ❑ **Organization /
Cooperation**
- ❑ **Preparedness /
Vigilance**

Disaster Management within Sustainable Development

RISK REDUCTION

- ❑ **Prevention**
 - Infrastructure
 - Regulation
- ❑ **In-depth specific knowledge**
- ❑ **Anticipative / Imagine the unthinkable (Sudden / Cumulative)**
- ❑ **Impact Assessment**

VULNERABILITY REDUCTION

- ❑ **Education / Capacity Development**
- ❑ **Communication / Community Participation**
- ❑ **Legislation / Response**

Commitment

- **Improve our knowledge of all of the above through RESEARCH and LEARNING**
 - Site-specific
 - Targeted
- **Working towards Sustainable solutions**