



FEATURED EVENT

APPLYING SCIENCE AND TECHNOLOGY TO POLICY AND PRACTICE IN DRR

Introduction

Walter J. Ammann,
CEO, Global Risk Forum GRF Davos,
UNISDR STAG Member
Davos, Switzerland

walter.ammann@grforum.org

APPLYING SCIENCE AND TECHNOLOGY TO POLICY AND PRACTICE IN DRR

DRR?

- Disaster management (how to deal with a risk which has just become reality)
- Risk reduction (how to prevent or limit potential future disasters)



RISKS: THE HAZARD SIDE



Hazards
Processes

RISKS – THE VALUES AND VULNERABILITIES



Values exposed to hazards

RISK – EXISTING VALUES AND DAMAGE POTENTIAL



- Risk and opportunities (values) are twins
 - No development without risks

DRR – CONCEPTUAL FRAMEWORK

How safe is safe enough?

Paradigm shift:

- Risk based approach (ex-ante): proactive prevention

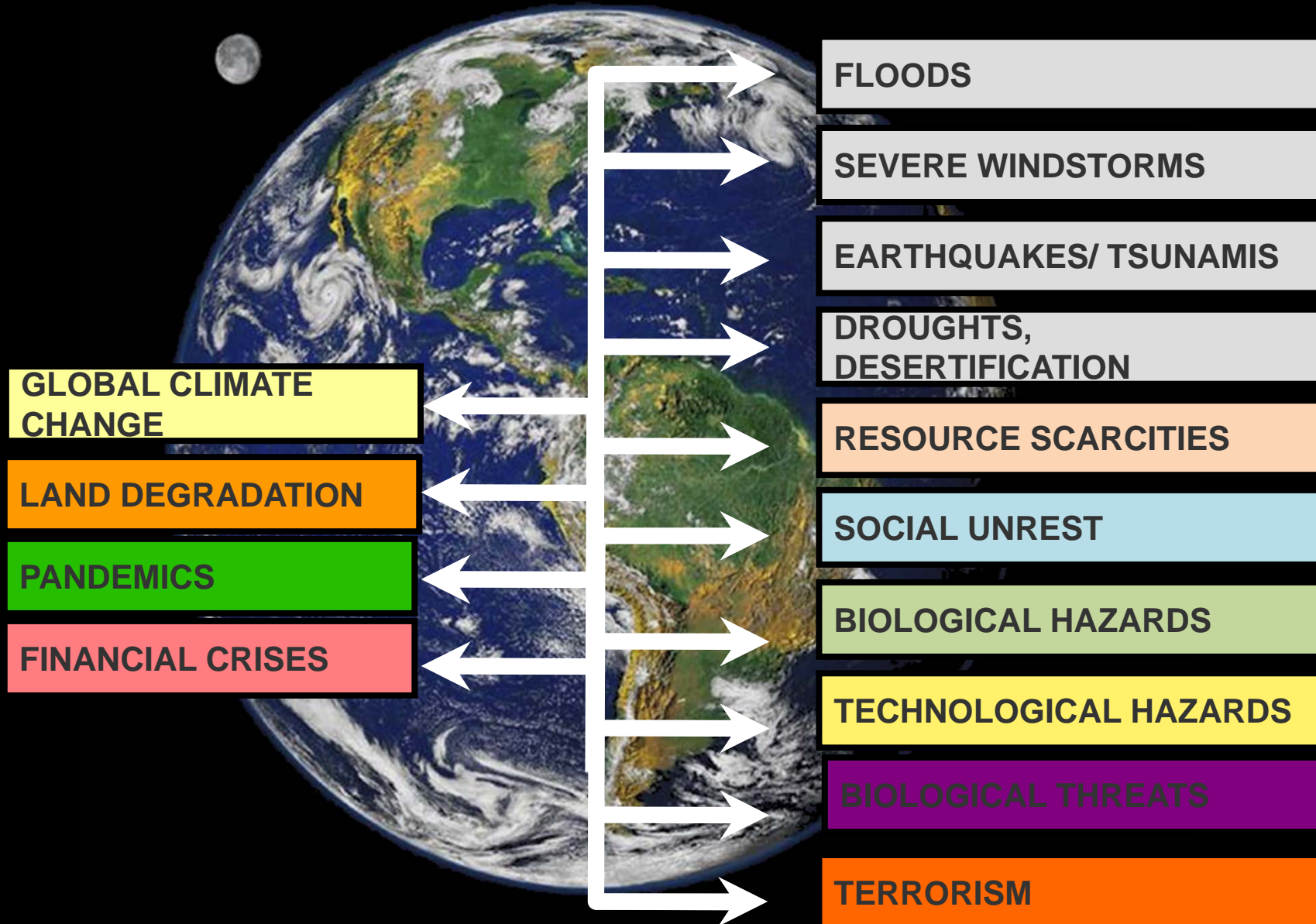
Instead of:

- Disaster centered approach (ex-post): intervention/recovery

What has to be done?

Measures to be taken

MULTI RISK APPROACH – COMPARABILITY?



LINKING SCIENCE TO POLICY AND PRACTICE

Bridging the gaps and bridging the scales



WHERE SCIENCE AND TECHNOLOGY CAN HELP

- A lot of success stories (see the next presentations)
- Foresight studies - emerging risks
- Complex, cascading risks / disasters
- Multi risk approach (making risks comparable)
- Vulnerability and resilience assessment
- Risk governance fundamentals
- Risk based legislation
- Etc.



WHERE SCIENCE AND TECHNOLOGY CAN HELP

„People inbetween Change“

“ Said is not heard -

heard is not understood -

Understood is not agreed -

agreed is not applied

**Well done is better than well said.
(unknown proverb)**

Communication is key – one way information is not sufficient



Konrad Lorenz (1903-1989), Austrian Nobelprize Winner 1973