



WORKING TOGETHER TO ADVANCE EARTHQUAKE  
RISK ASSESSMENT AND UNDERSTANDING

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# CHALLENGES IN CAPACITY BUILDING FOR HAZARD MONITORING IN AFRICA

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GFDRR  
Global Facility for Disaster Reduction and Recovery



Cooperative Governance  
Traditional Affairs



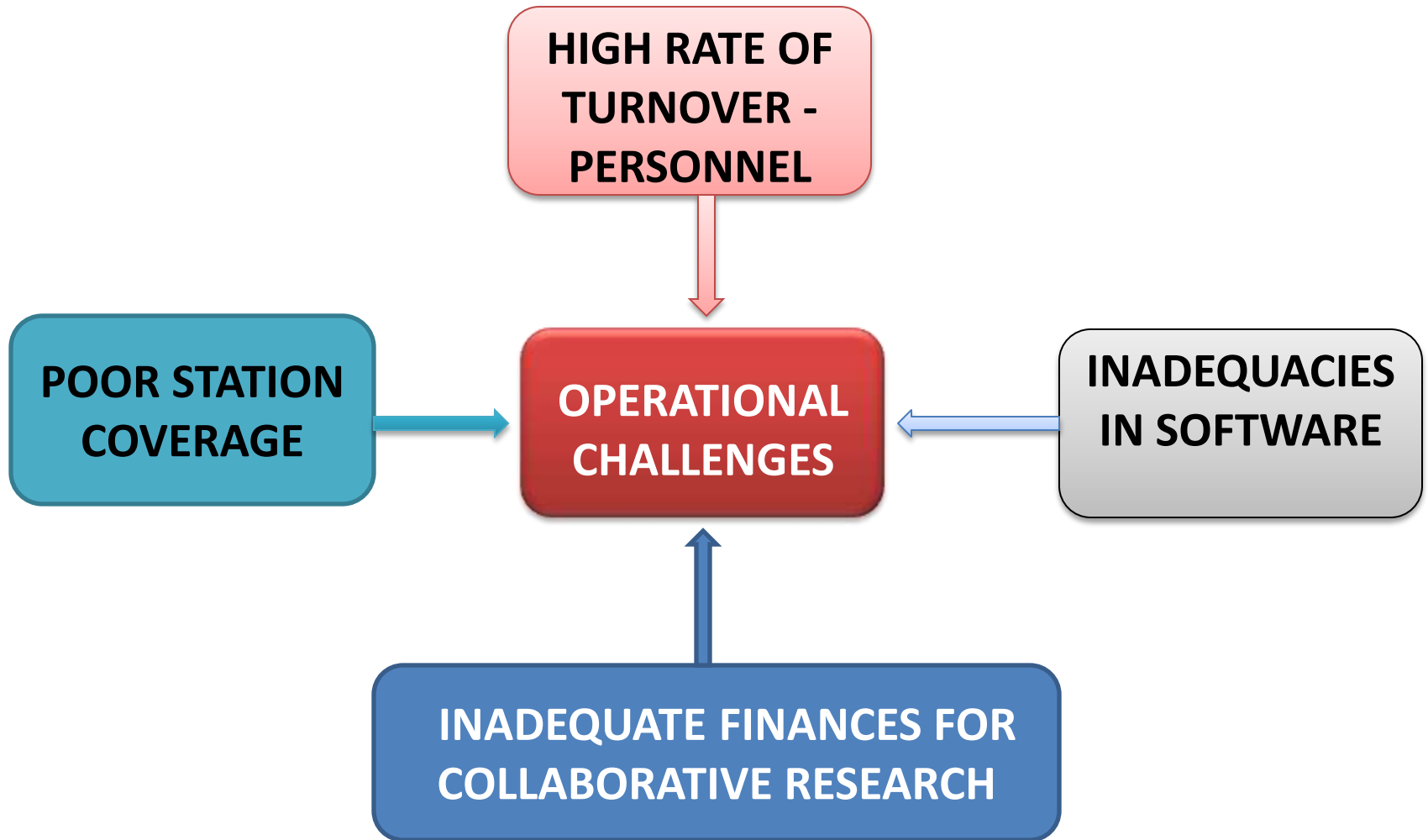
ISDR



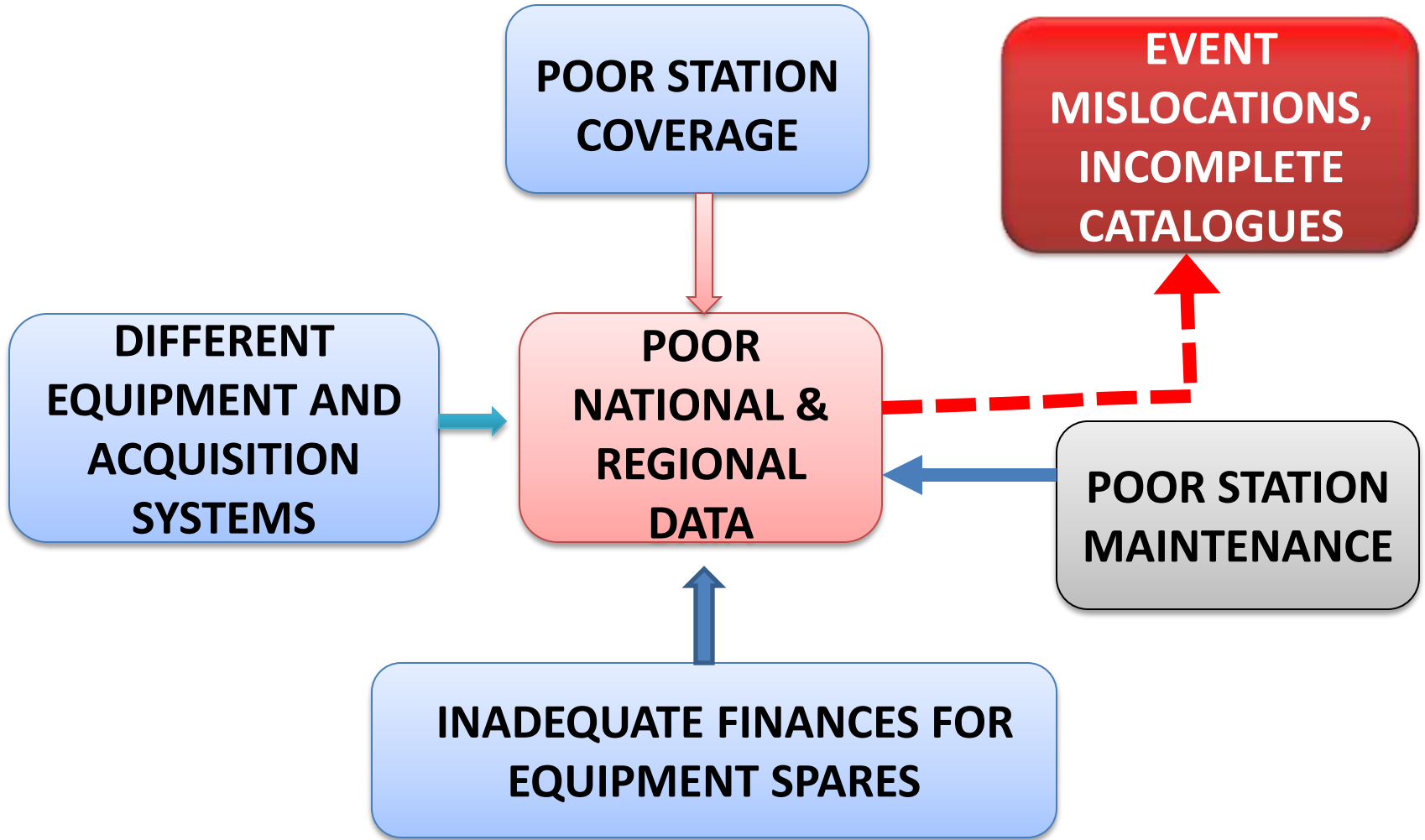
- **A number of countries participated in the WWSSN Seismic monitoring of the 1960's.**
- **Notably for example, in ESARSWG, national laboratories have tried building and maintaining at least three seismic stations.**
- **Since 1990 each of the 9 ESARSWG countries has trained no less than three scientists to MSc and PhD levels in seismology.**
- **Bulk of early credible data is found in catalogues compiled by research organizations from outside the continent.**

- **The largest reliable local data is for short monitoring periods from temporary stations.**
- **Station location was not coordinated within region - hence uneven distribution.**
- **Result : Poor data availability - both temporal and spatial distribution.**

# CHALLENGES



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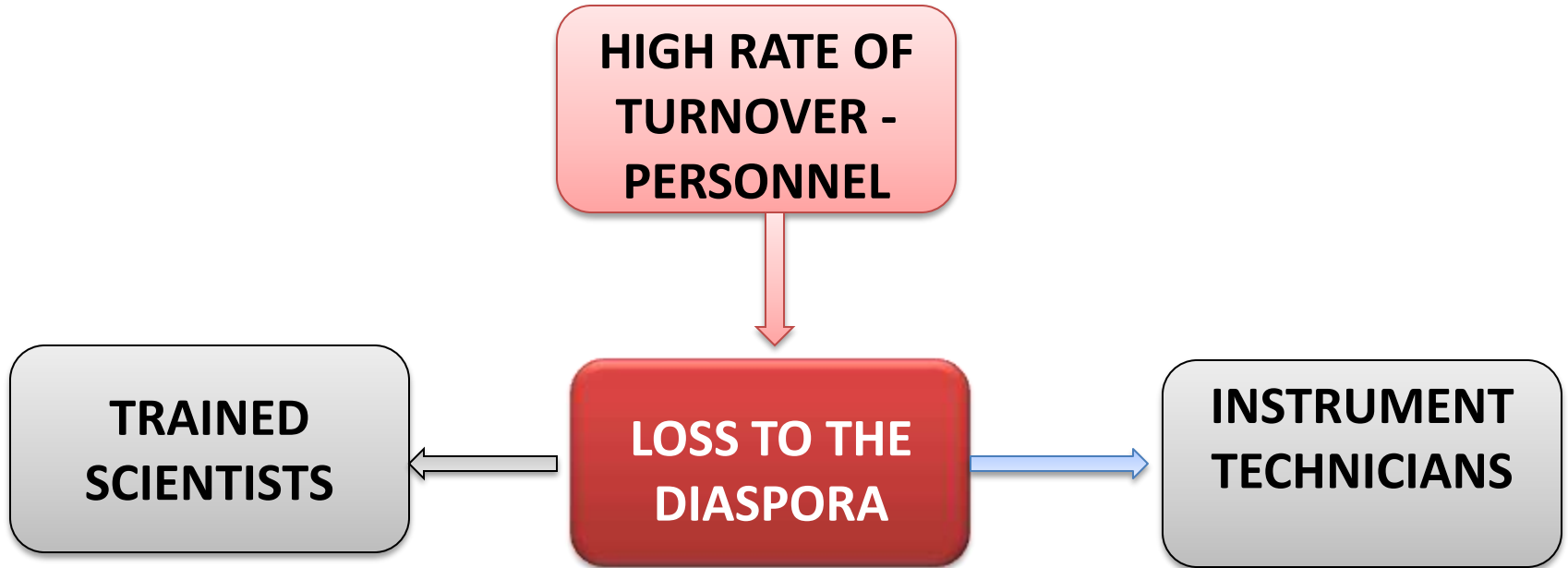
**POOR COMPUTING SKILLS  
IN SOFTWARE  
DEVELOPMENT**

**INADEQUATE FINANCES  
FOR SOFTWARE  
ACQUISITION**

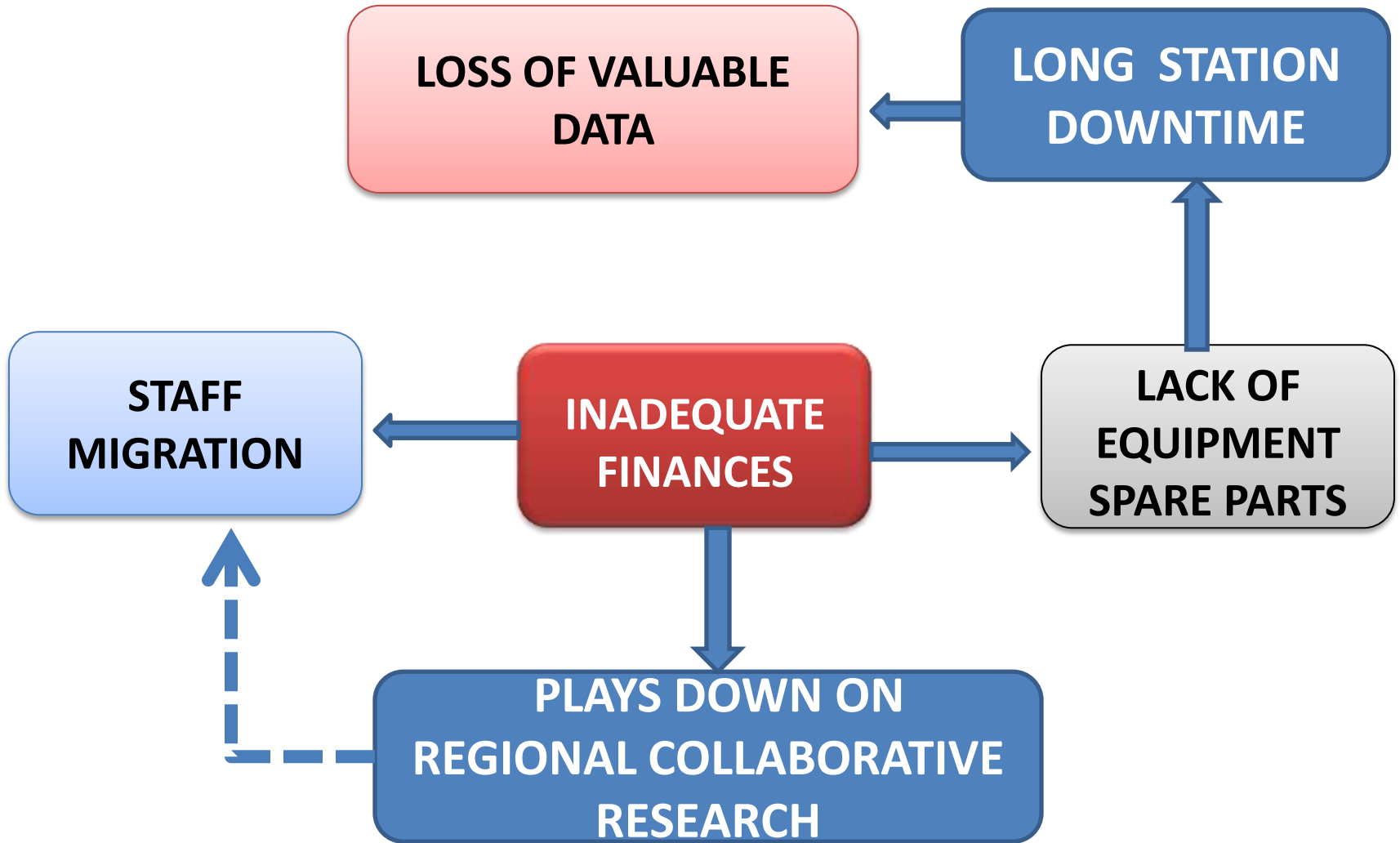
**POOR SEISMIC HAZARD ANALYSIS,  
VULNERABILITY AND A LACK OF RISK ANALYSIS**

# CHALLENGES

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- a) Enhance regional collaboration**
- b) Forster collaborative research with institutions in developed countries- perchance they may assist with much needed equipment and software**
- c) Engage in vigorous advocacy lobbying government to support seismic research work**
- d) Ensure sustained training programme for all classes of personnel for the research work**

# THANK YOU

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