



SESSION 4

## DIGITAL INFRASTRUCTURE FOR ADAPTIVE SOCIAL PROTECTION

**Building Block 3** : Data and Information for Social Protection

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### Issues:

- Data Interventions for Disaster Risk Reduction were supply-driven regardless of national and provincial priorities.
- Lack of uniformity in requisite parameters, mapping protocols, resource coding and documentation procedures.
- Absence of quality assurance system
- Acceptance issues from the user i.e. DDMA, PDMA and NDMA
- Misplaced priority viz a viz Vulnerability and Social Protection
- Greater financial losses due to damages of infrastructure and lack of informed decision making
- PDMA is recently become part of the Provincial Development Working Party
- Establishment of PDRIS is crucial and will help in mainstreaming DRR into development



### GIZ Pakistan and PDMA KP Collaboration :

- Improving Disaster Risk Governance and Management Capacities of Provincial DMAs via MHVRA and establishment of PDRIS
  - 1. Piloting Multi-Hazard Vulnerability and Risk Assessment exercises in 02 districts of Khyber Pakhtunkhwa through a multi layered assessment approach with special focus on social protection aspects of the disasters and climate risks.
  - 2. Establishment of a Provincial Level Risk Information Sharing Platform (PDRIS) for the usage of MHVRA results for risk informs planning and decision making.

# Data and Information for Social Protection

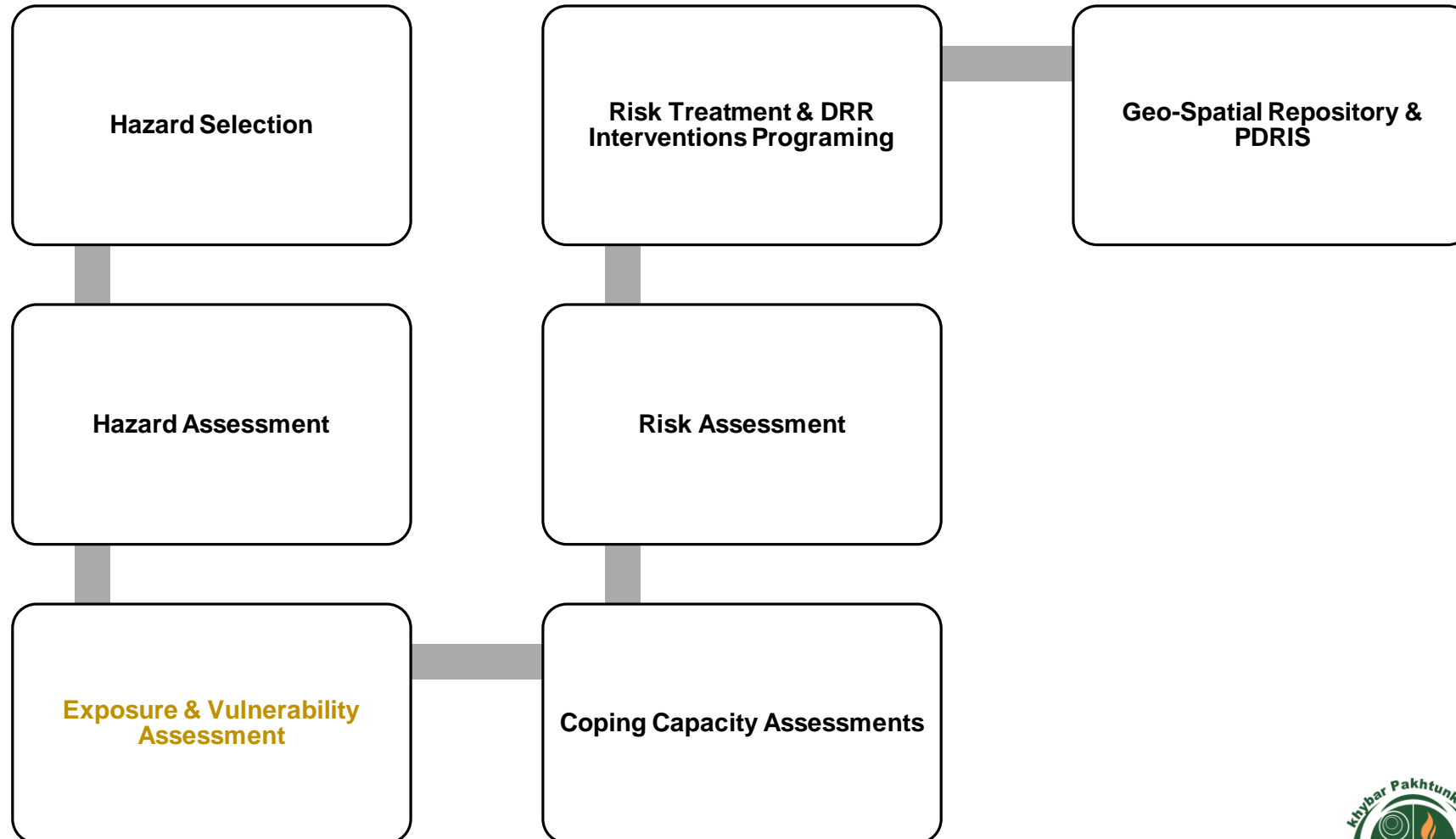
Our Approach:

2<sup>nd</sup> National Social Protection Conference

24<sup>th</sup> – 26<sup>th</sup> February 2025 | Karachi



## 1. MHVRA to support the Social Protection Mechanism



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### **Social Vulnerability Assessment as per the Social Vulnerability Index (SOVI) model (UNDRR)**

Identifying and collecting relevant variables that captures different dimensions of social vulnerability, this encompasses as per MHVRA guidelines:

- i. Education: Literacy rates, school attendance, access to education facilities.
- ii. Health: Health care access, disease prevalence, vaccination rates
- iii. Socio-economic: Income levels, employment rates, poverty indicators
- iv. Infrastructure: Access to water, sanitation and electricity
- v. Demographic: Age distribution, gender ratio, household composition



## Addition of Social Protection Variables to SOVI (Proposed)

- Coverage: Proportion of population covered by SP programs, %age of workers covered by formal social security systems, access to child and family benefits
- Spending Variables: Public expenditures on SP as a %age of GDP, per capita SP spending
- Accessibility: %age of women benefitting from SP programs, proportion of informal workers accessing social security, equity in access
- Adequacy variables: Employment and labor market links variables, Health and social services variables.



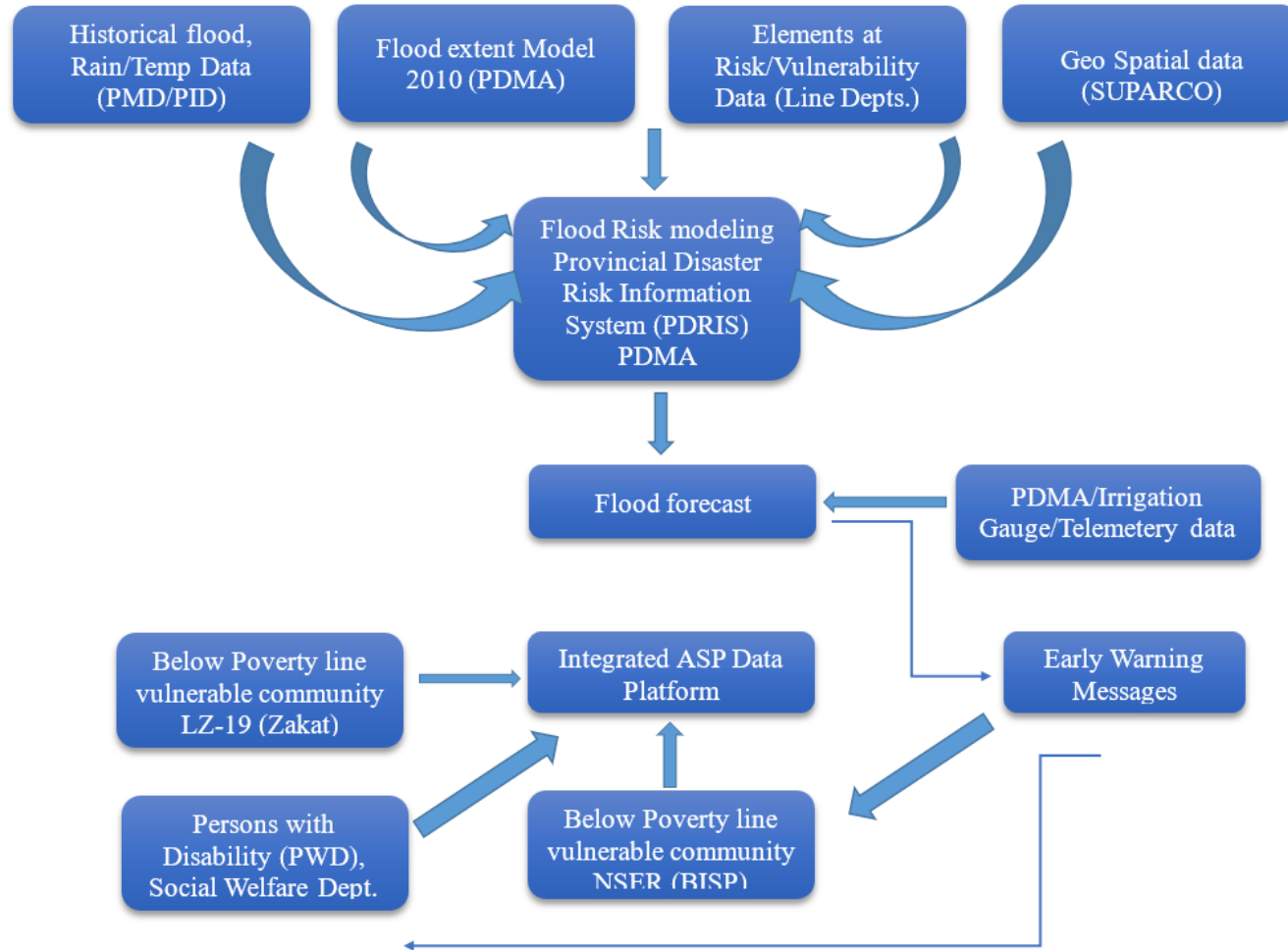
## 2. Establishing the Provincial Disaster Risk Information Management System (PDRIS) for the usage of MHVRA results in risk inform planning and decision making

- Hardware platform includes equipment like GPS, printers and others to manage and share the data across all the tiers of government for response, relief and planning, virtual machines deployment for the emulation of specific hardware or software tools. (Main domains to be installed in PDMA and P&DD, while sub-domains to be maintained in DDMUs)
- Software platform includes customize GIS resources and licenses, GIS based exposure and vulnerabilities and risk calculators that could tally with the requirements based on specific hazards.

# Data and Information for Social Protection



## 1. MHVRA to support the Social Protection Mechanism





## Advantages

### Multi Hazard Vulnerability & Risk Assessment & Establishment of the PDRIS

Interventions for Policy Makers and Planners

Adaptive Social Protection and Community Level Adaptation Interventions (CBDRM)

Advocacy & Awareness Campaigns

Risk Sensitive Planning for Development

Land Use Planning and Safer Local Administration

Climate Change Impacts and future Scenarios Projections

Disaster Risk Information sharing platform as Provincial Disaster Risk Information System (PDRIS)

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# Thank you

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