



In this aerial picture, flooded streets caused by heavy rains across Italy's northern Emilia Romagna region, on May 18, 2023 in Lugo, Italy.

Antonio Masiello | Getty Images

@CNBC



A flooded residential area after heavy monsoon rains in Baluchistan province, Pakistan, on Aug. 29. FIDA HUSSAIN/AFP VIA GETTY IMAGES

@FP



Floods in Chad, August 2022. Photo: IOM



Recife - PE, 30/05/2022) Sobrevo de áreas afetadas pela chuva.
Foto: Clauber Cleber Caetano/PR



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2023

Integrated Flood Risk Management

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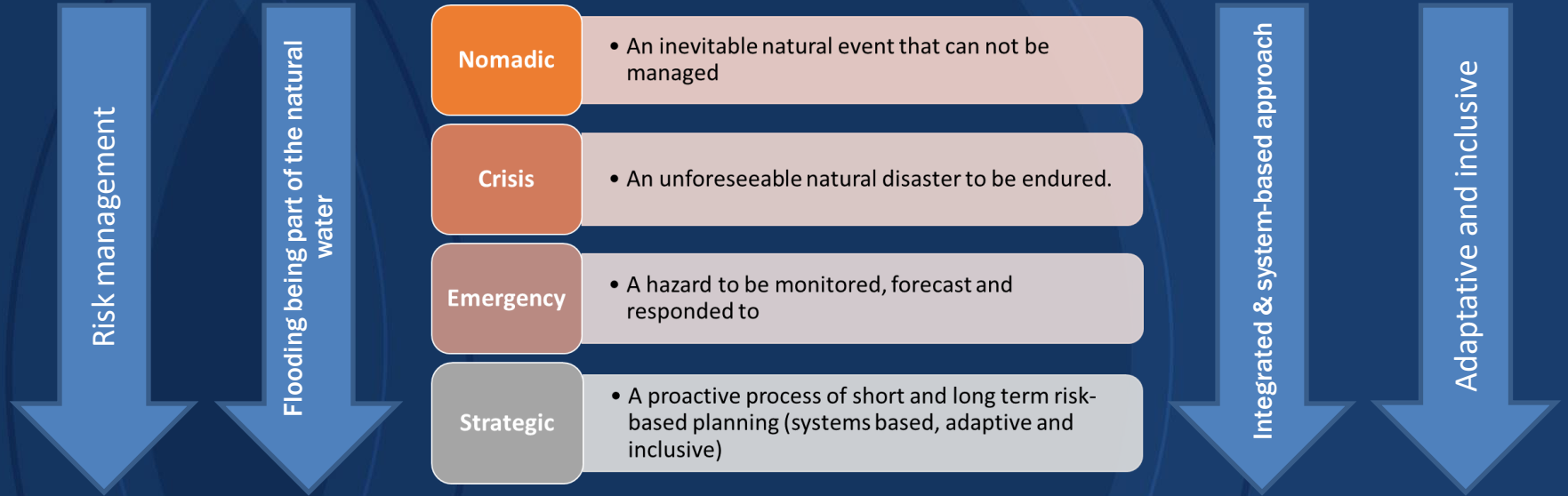


Impacts of Floods

- Global flood losses around USD 20 billion in 2021.
- Estimated 1.8 billion people exposed to a significant flood hazard.
- 2022 Pakistan flood:
 - 1.7 million hectares of agricultural land;
 - 800 000 heads of livestock;
 - affected 33 million people
 - USD15.2 billion of economic loss;
 - USD 14.9 billion of damage



The new paradigm shift



Floods in agriculture and rural areas

- Rural communities disproportionately affected by floods
- Significant rural flood risks in developing countries
- Differences in nature, impact, challenges and risk of floods in rural compared to urban areas
- Need for systemic and specific recognition of conditions and knowledge of rural and indigenous communities

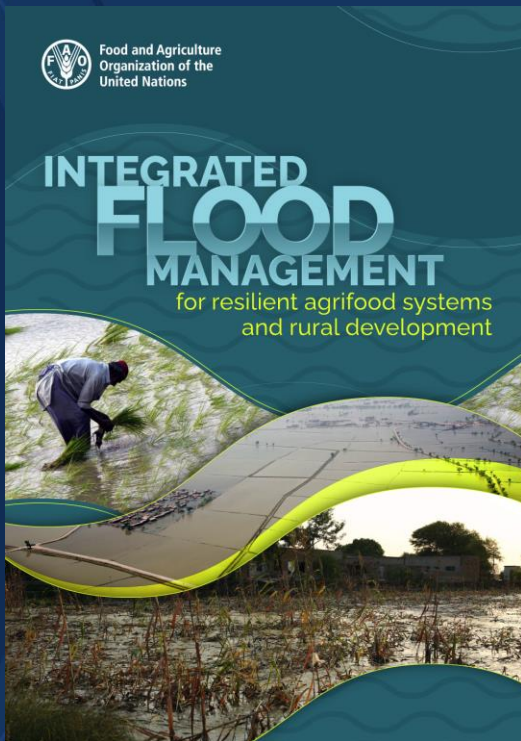




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Integrated Flood Management for Resilient Agrifood Systems and Rural Development



Recommendations on integrated flood management

1. Accept absolute protection is not possible and plan for exceedance
2. Assess the resilience of agrifood systems to flood risks



Recommendations on integrated flood management

3. Work with nature as part of a suite of system measures response
4. Assess the resilience of agrifood systems to understand and communicate present-day risks and how they may change in the future risks



Recommendations on integrated flood management

5. Agriculture and rural communities need to be closely involved in planning, designing, implementing and monitoring flood management actions
6. Connect risk governance mechanisms at all levels and ensure horizontal and vertical integration & alignment to maximize co-benefits and minimize risks



Recommendations on integrated flood management

7. Increasing finance to scale up resilience intervention in agriculture and rural areas
8. Adapt to the new context and optimize use of flood water as resources for flood-adaptive/resilient economies





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Thank you!

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