







# Flagship Projects- New Zealand

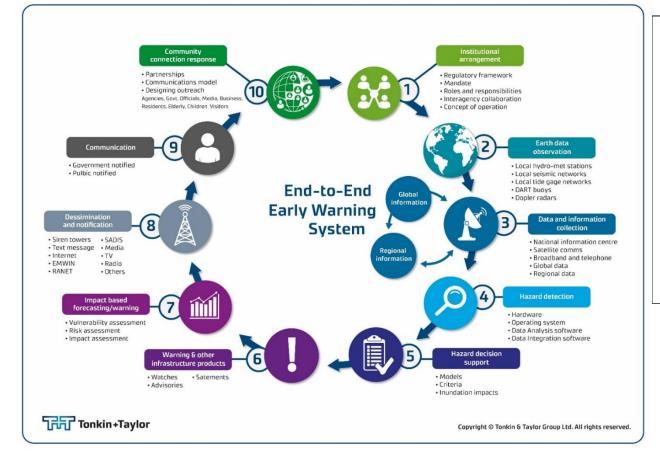
Bapon Fakhruddin

19th Science Committee Meeting

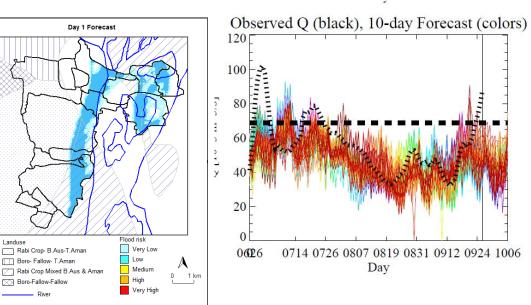
#### End-to-End Impact Based Early Warning System

Landuse

River

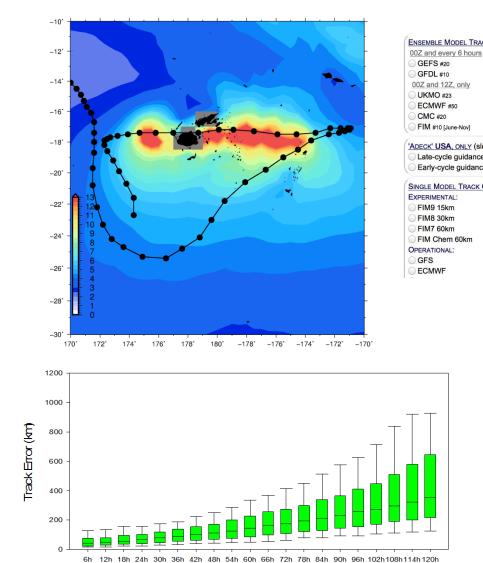


#### SFDRR Priority Action 1: Understand disaster risk

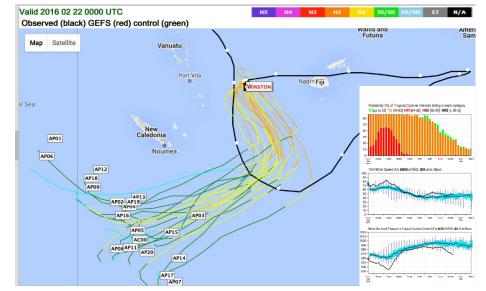


Disasters	Сгор	Stages	Season / month	Impacts	Time of flood forecast	Alternative management plan
Early flood	T. Aman	Seedling and Vegetative stage	Kharif II Jun - Jul	Damage seedlings Damage early planted T. Aman Delay planting Soil erosion	Early June	Delayed seedling raising, Gapfilling, skipping
	T. Aus	Harvesting	Kharif I Jun - Jul	Damage to the matured crop	Early June	Advance harvest
	Jute	Near maturity	June - July	Yield loss Poor quality	May end	Early harvest
	S. Vegetables	Harvesting	June - July	Damage yield loss Poor quality	Mar - Apr	Pot culture (homestead) Use resistant variety
High flood	T. Aman	Tillering	Kharif - II July - Aug	Total crop damage	Early June	Late varieties Direct seeding Late planting

#### End-to-End Impact Based Early Warning System

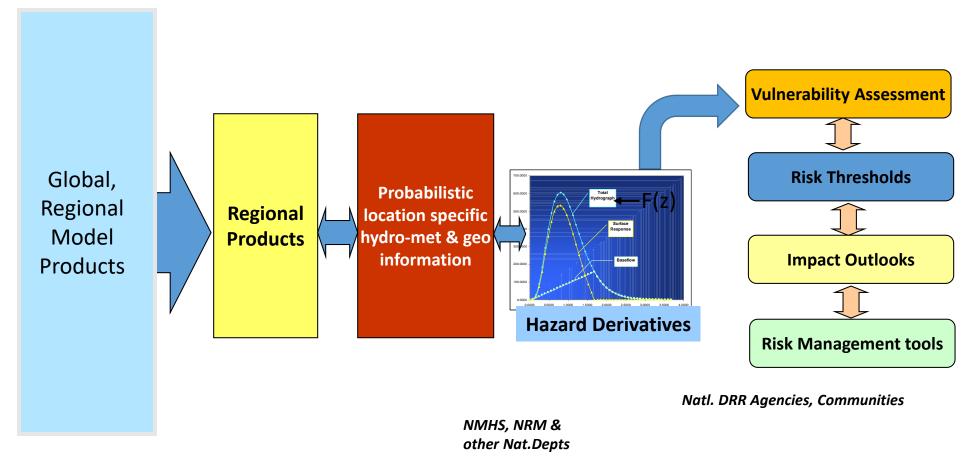




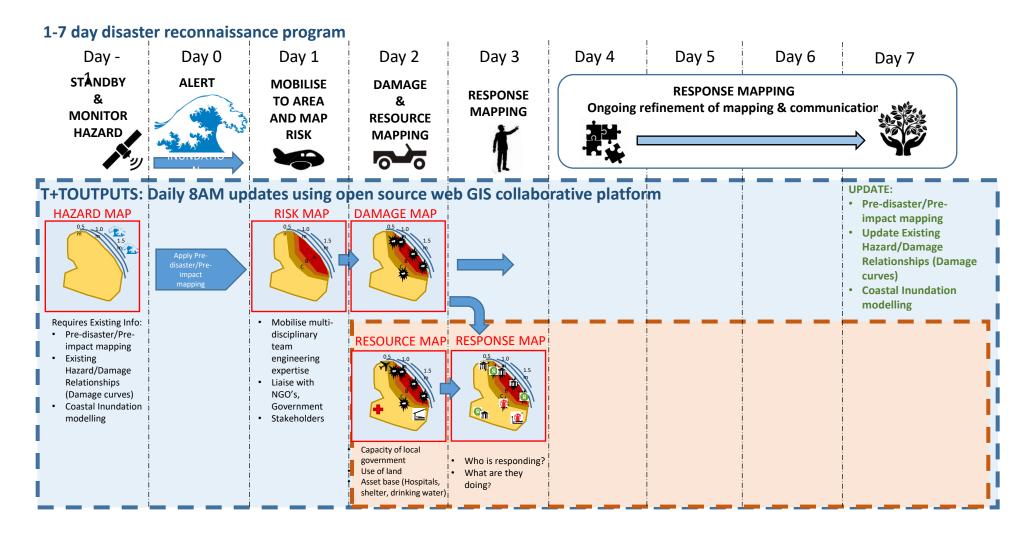


Leading Time

#### Connecting Science, Institutions and Society for an Integrated DRR

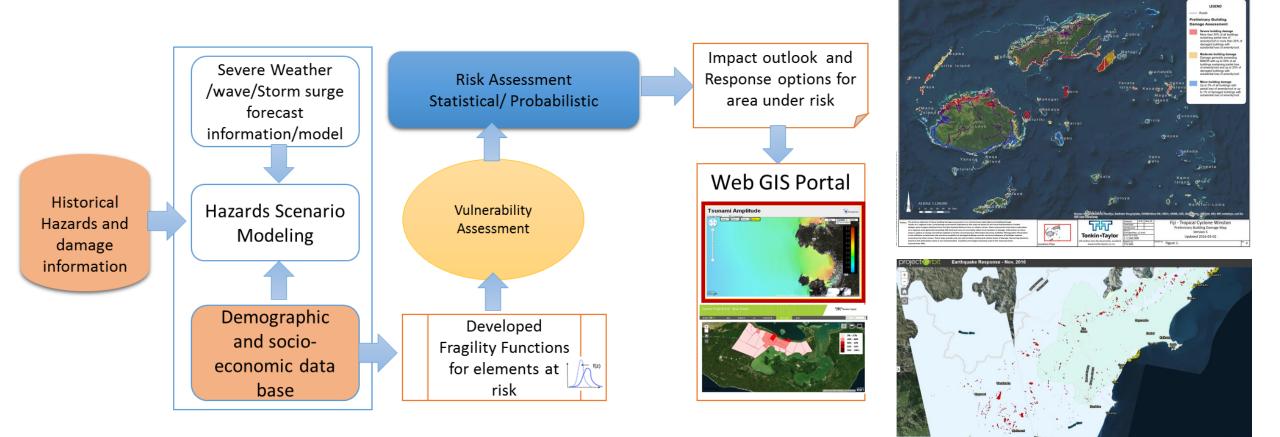


#### Integrated Pre and Post Damage Mapping System for DRR

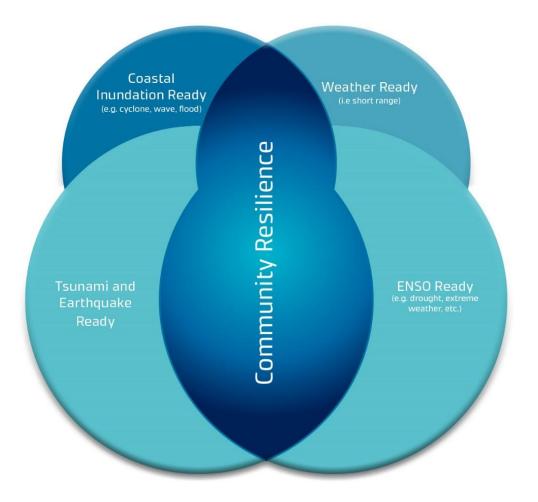


SFDRR Priority Action 4: Effective response....

## Application- Pre-Impact and Rapid Mapping (i.e. #TCWinston, # 2016 Kaikoura earthquake )



#### Coastal Community Resilience Initiatives



Integrated Risk Governance Project (IRGP/IHDP) of Beijing Normal University Tonkin +Taylor International International Global Change Institute, New Zealand

SFDRR Priority Action 3: Investing in Disaster Risk reduction and resilience

### Thank you