

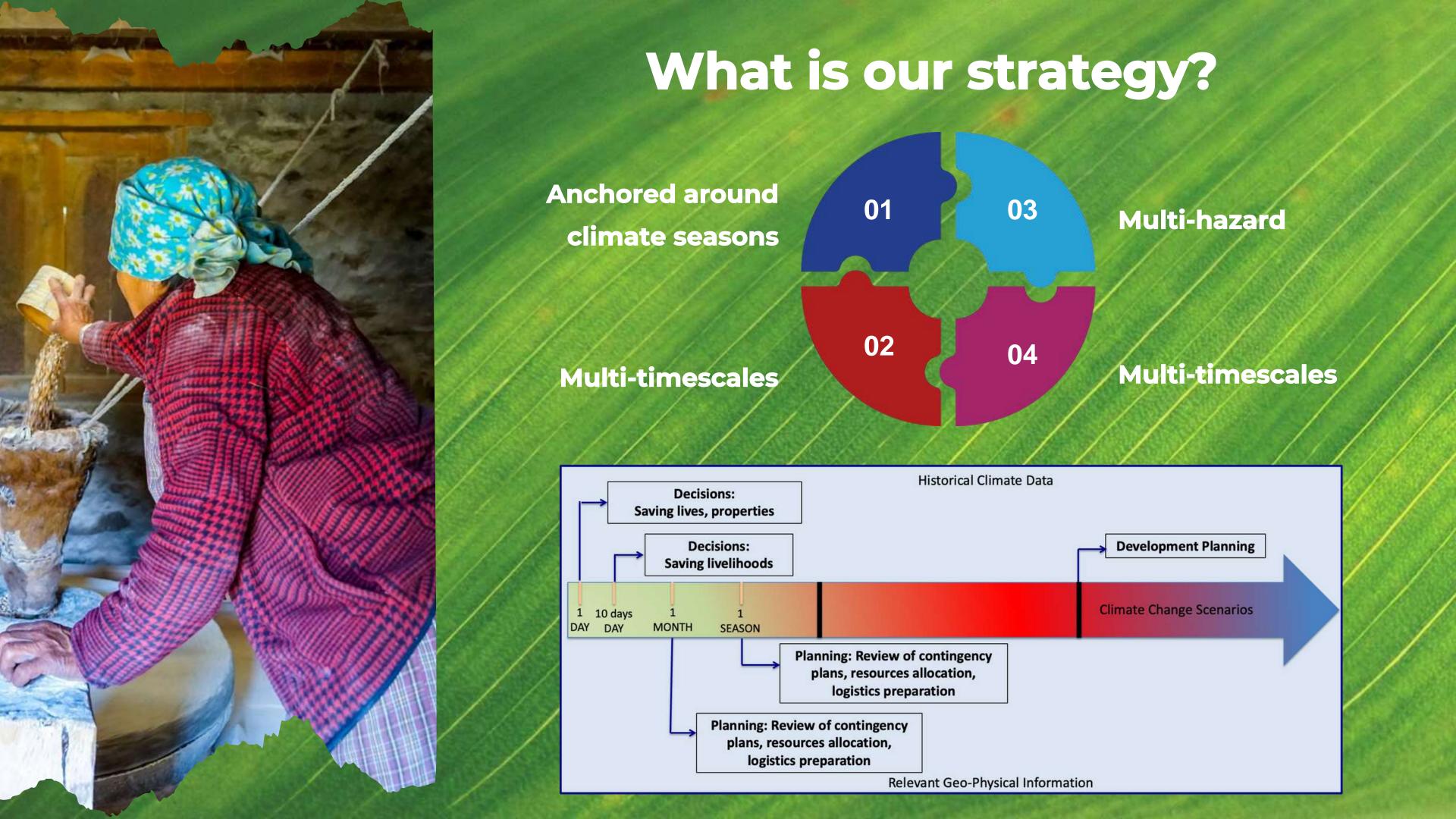
# CLIMATE APPLICATIONS: A CAPACITY BUILDING PROCESS



FEEDBACK AND INPUTS

SUSTAINED CO-DEVELOPMENT PROCESS OF TUNING SERVICES TO STAKEHOLDER DEMANDS/REQUIREMENTS







From Hazard to Resource: Cyclone Maarutha, April 2017, Myanmar

- + April is typically a very dry month in Myanmar
- Farmers in the Central Dry Zone are usually drying harvested crops during the month
- Cyclone Maarutha formed in the Bay of Bengal on 15 April 2017, made a landfall in Myanmar's Rakhine Region on 16 April 2017, and started dissipating on 17 April 2017
- → Timely receipt of information and provision of advisories by DOA officials and extension workers, through SESAME, not only enabled farmers in the CDZ to save their harvested crops from being damaged, but also enabled them to immediately prepare farm inputs and facilitate early planting of 3-month variety of sesame
  - + planted in mid-April, instead of the usual mid-May
  - recorded good harvest in July; first good harvest in 7 years



Circumventing El Nino impacts into economic gains – examples from Sri Lanka



(1200) (3171) NTERMEDIAT Colombo (2345) Raltapura ( WET

**♦** October 2015 – February 2016: managing reservoirs for reducing flood events – savings of USD 41 Million

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#### RIMES EXPERIENCES IN SRI LANKA: A DRIVER OF THE EVOLUTION OF RIMES SERVICES

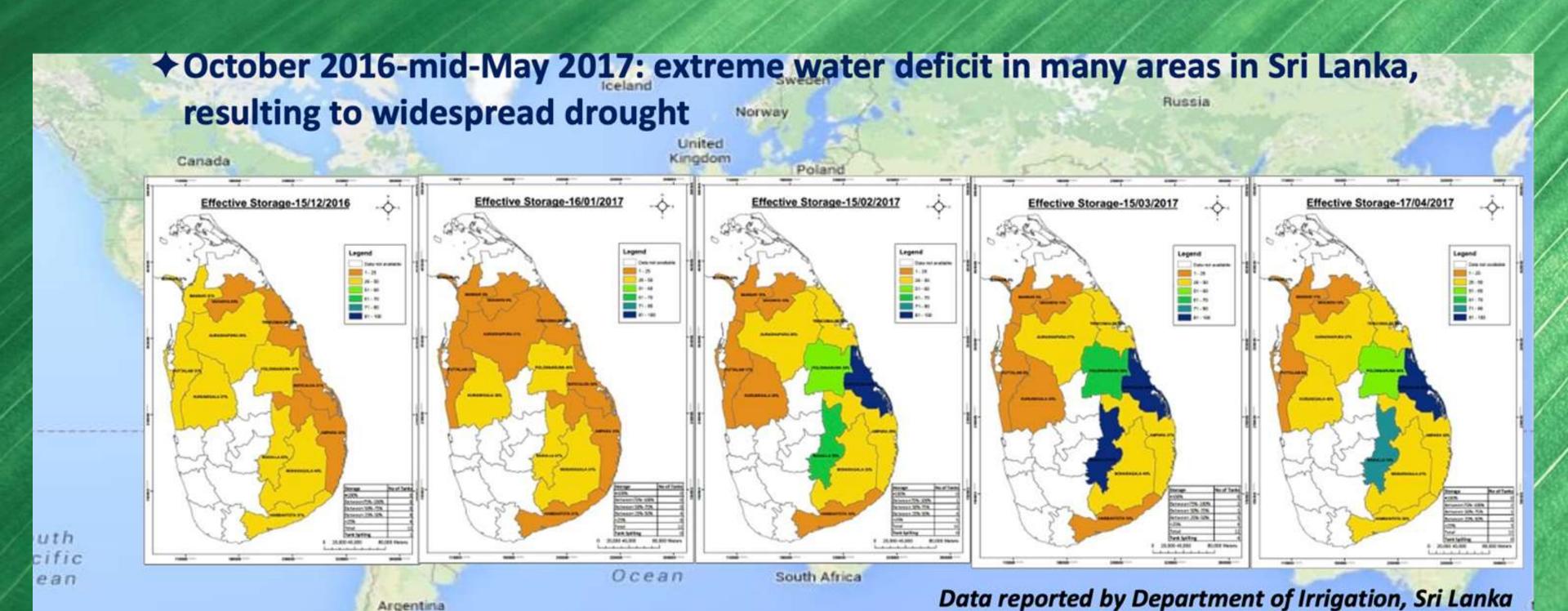


Institutional decision for regulating the release of water in reservoirs for reducing probability of flooding, guided by information of potential for above normal rainfall for October 2015 – February 2016



Reducing impacts of extreme climate events: 2016-2017 drought

15th Monsoon Forum, Colombo



Reducing impacts of extreme climate events: 2016-2017 drought

- **♦** Based on analysis of available water in reservoirs and tanks, and forecast from DOM, DOA and DOI issued advisories to farmers for:
- ◆ reduction of land preparation period for optimizing benefits from intermittent

  Trainfall for crop planting

  Trainfall for cr
  - ♦ limiting cultivation extent to what can be supported by available water, considering higher probability of below normal rainfall for Maha cultivation
    - season Niger Sudan Share
    - **♦** cultivation of short-duration, drought-resistant varieties
    - ♦ foregoing cultivation in water-critical areas
    - ◆ utilization of tank storages for crop growth only, and not for replanting

Losses in farmer investments were significantly reduced; reports on crop casualties were not as high as in other major drought events

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