



SAHF IBF WG IMPLEMENTATION PLAN PROJECT

REGIONAL WORKSHOP ON IMPACT-BASED FORECASTING (IBF)

Heat Season Review & Cold Season Planning

29 September - 01 October 2026 | Bangkok, Thailand



PROJECT RECAP

Journey, Milestones, Lessons, and Outlook

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RIMES

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Breadth of Sectors and Reach*
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Heat Season Review & Cold Season Planning Regional Workshop

29 September - 01 October 2026

1. Project Overview

WHERE THE REGION STARTED (2025)



Temperature IBF lagged operations

Pilots on heat and cold were new, small and fragmented



Very uneven maturity



No standard operating rules

Few SOPs defined thresholds, roles or triggers



Little impact data, almost no verification

Project Objective:

Transformational change in the region's ability to deliver impact-based early warning for temperature related hazards, reaching vulnerable communities and sensitive sectors

05

Institutionalization and Sustainability

SOPs, policies, partnerships that last

04

Capacity Building and Training

National trainers who cascade to NMHSs, sectors, line agencies, communities, etc.



Regional Framework and Toolkit

Shared methods, co-produced with countries

01

Demonstration Activities

Test IBF in real heat and cold seasons

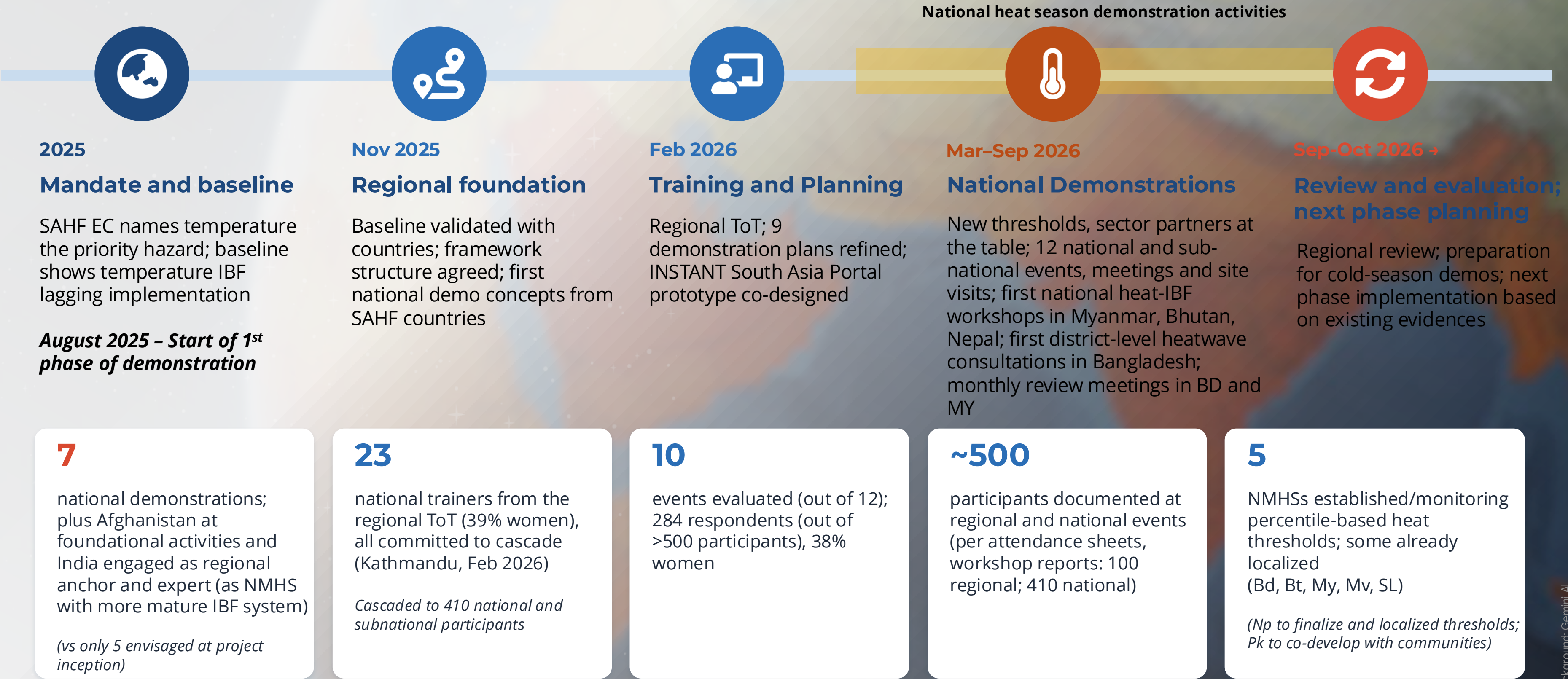
02

Review and Reporting

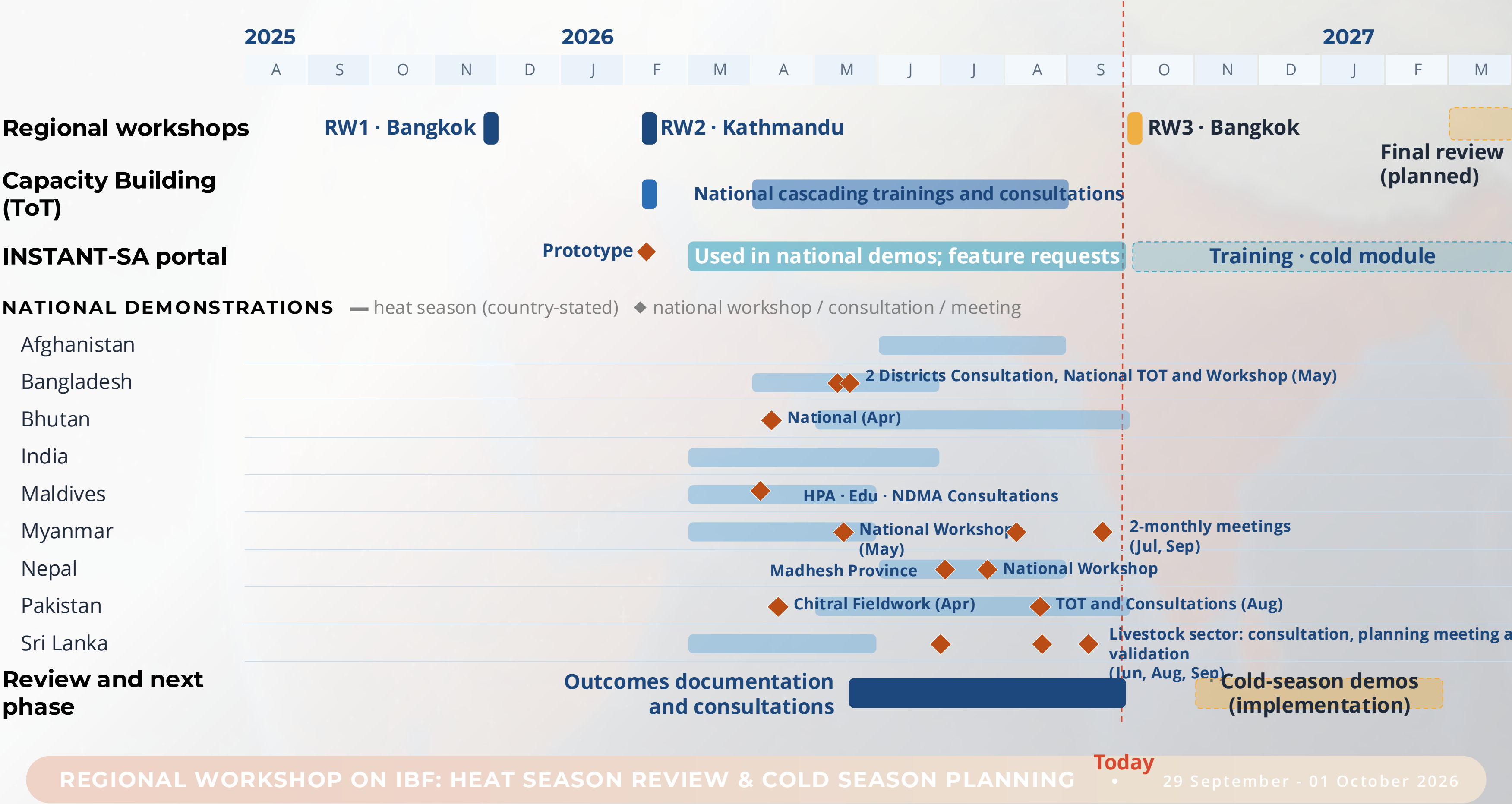
Lessons and good practices for scaling and regional adoption.

03

2. Key Milestones, Achievements, and Progress Update



Project Journey to Date



3. Key Lessons

01

02

03

04

05

06

No single route into IBF

Countries built from where they started:

- technical framework (Bhutan, Myanmar, Maldives)
- a standing monthly forum (Bangladesh)
- an active sector with explicit user needs (Sri Lanka)
- community-first consultations (Pakistan)
- co-design activities (Nepal)

Coordination sticks when it rides an existing cycle

- Bangladesh's monthly outlook debrief
- Myanmar's line-agency meetings;
- User demands emerged from these regular meetings

Thresholds moved faster than impacts

- impact data named as main gap.
- Proxies are emerging: insurance claims data (Maldives); livestock records (Sri Lanka); community knowledge from fieldwork (Pakistan)

To firm up in the next phase: "who issues what" and impact data

NMHS and sectors divide roles; need SOP for institutionalization

- NMHS: hazard and potential-impact
- Sectors: sector impacts, decisions, actions

IBF is prompting sectors to also firm up impact data related to heat

People, tools and timing are the binding constraints

- Key-person dependency (lack of staff)
- Timing: demo events being done after heat peak
- Training format: multi-day event better received than 1-day ones

Heat is not yet seen as a risk, and livelihoods come first

- At district and community level, many people do not see heat as a hazard, so warnings risk being ignored.
- People think first about what heat means for their crops, animals and income, then their health.

4. Key Achievements | National Demonstrations

COUNTRY · PILOT	ACTIVITIES	HEADLINE RESULT	SECTORS ENGAGED	NEXT SEASON
Bangladesh <i>Rajshahi, Lalmonirhat + national</i>	Monthly Climate Watch forum since Apr; 2 district consultations (91); Dhaka training + workshop (42); all-station percentile analysis; UTCI forecast added to INSTANT-SA; post-season survey (n=39)	3-zone thresholds agreed; livestock dept issuing own bulletins; 72% of surveyed offices prepared ahead of heat	Livestock, agriculture, fisheries, health, DRM	Cold-day thresholds; THI; SOP; El Niño 2027
Bhutan <i>Nationwide, 20 districts</i>	National workshop (Apr); Tmax + Tmin percentile rules; daily monitoring by all 9 forecasters (May–Sep); sector impact reporting via shared drive	Thresholds in daily operation; 3-day “rising temperature” line in forecasts; colour-coded map in testing	Health, education, National Service, DRM	Cold-wave thresholds; impact tables; SOPs; UNDP platform
Maldives <i>Greater Malé; 5 stations</i>	Meetings with health agency, Education, NDMA; live TV with HPA; draft heat SOP; request to national insurer for heat-illness claims	Colour-coded Apparent Temperature 3x/day to 44,587 people (observed); agreed MMS–health roles	Health, education, DRM, Red Crescent	3-day lead-time forecasts; SOP start date
Myanmar <i>Mandalay; 5 stations</i>	P90/95/99 tiered rules with duration + warm nights; internal trial with false-alarm review; national workshop (50); line-agency meetings	Rigorous thresholds; working inter-agency forum; public advisories targeted for 2027	Health, agriculture (strong emerging demand), DRM, Red Cross	Pre-season regional workshops; endorsed SOPs
Sri Lanka <i>Colombo + national livestock</i>	Livestock workshops: Colombo (Jun, 100), Kilinochchi (Aug), THI validation (Sep); TWG constituted (17); Labour engagement; HI advisories continue	Preliminary livestock THI thresholds; ministry request for a national livestock heat-stress service	Livestock, labour, health, education, DMC	THI technical note; provincial rollout; SOPs
Nepal <i>Madhesh and Lumbini</i>	Janakpur orientation in Nepali (62, with RAIN); first national heat-IBF workshop (72); communication chain mapped to CDMCs	Impact tables for 10 sectors + 6 provinces; TWG and OHM-led dissemination agreed	Health, agriculture, livestock, WASH, local government	Form TWG; heat then cold thresholds; cold demo
Pakistan <i>Lower Chitral (mountain)</i>	Household consultations in 3 valleys (Apr); meeting + 3-day training (Aug, on SLMC budget); working-group ToRs; first maize/wheat impact tables	Community-first design; trigger–action logic built into working groups	Agriculture, DRR, communities, NGOs	INSTANT-based thresholds; Chitral TWG; cold-season lead
Afghanistan <i>West and south provinces</i>	Focal points from 8–11 ministries; online consultation; station data gap-filling; Tmax/Tmin threshold work	Foundations laid; now using INSTANT-SA and FOCUS-X	Health, agriculture, water, education	Heat and cold thresholds; SOPs
India <i>All states (IMD)</i>	Shared experience at both regional workshops; NWP products used by neighbors	Continues its heatwave/cold-wave IBF; expanding to more sectors; peer trainer	Health, agriculture, energy, transport	User-specific IBF with NDMA and Health Ministry

Stage: ■ Operational shift ■ Sector Demand ■ Design and co-production ■ Foundational ■ Regional anchor

4. Key Achievements | Frameworks, Tools, Commitments



Regional framework and toolkit

Toolkit materials, templates, guide presentations referenced in heat season demo; Draft FW and toolkit to be further refined and finalized based on evidence and emerging needs from demo implementation lessons and findings



INSTANT-SA portal

Co-designed Feb 2026; used by Myanmar, Maldives, Sri Lanka, Bangladesh, among others; V2 now live; cold seasons modules for development



Thresholds set at both nationwide and regional levels

Operational / being monitored (Bhutan, Maldives) · internal trial (Myanmar) · agreed (Bangladesh 3 zones vs previous national) · preliminary (SL THI)



Impact tables and procedures

Impact tables MM, NP (10 sectors), PK, AF; BT monitoring sheet in use; SOP/EAP drafts MV, MM, BD



MEL toolkit

Harmonized survey, follow-up, KII and MSC guides, outcome form, progress markers; 10 events evaluated

NEXT PLANS FROM THE COUNTRIES / PATHWAYS FOR INSTITUTIONALIZATION

Sri Lanka

THI thresholds validation and finalization; planned national livestock heat-stress advisory service

Bangladesh

Adopt 3-zone thresholds; continue monthly forum; THI and SOP; Heat Early Action Protocol

Myanmar

Endorsed SOPs; public heatwave IBF by summer 2027; Line agency meetings; add heat to multi-hazard SOP

Bhutan

Cold-wave thresholds; impact tables; UNDP-funded platform to be leveraged for temperature IBF activities

Maldives

Heat SOP start date; health agency to flag heat in case data; 3-day Apparent Temperature Forecast issuance (vs observed before)

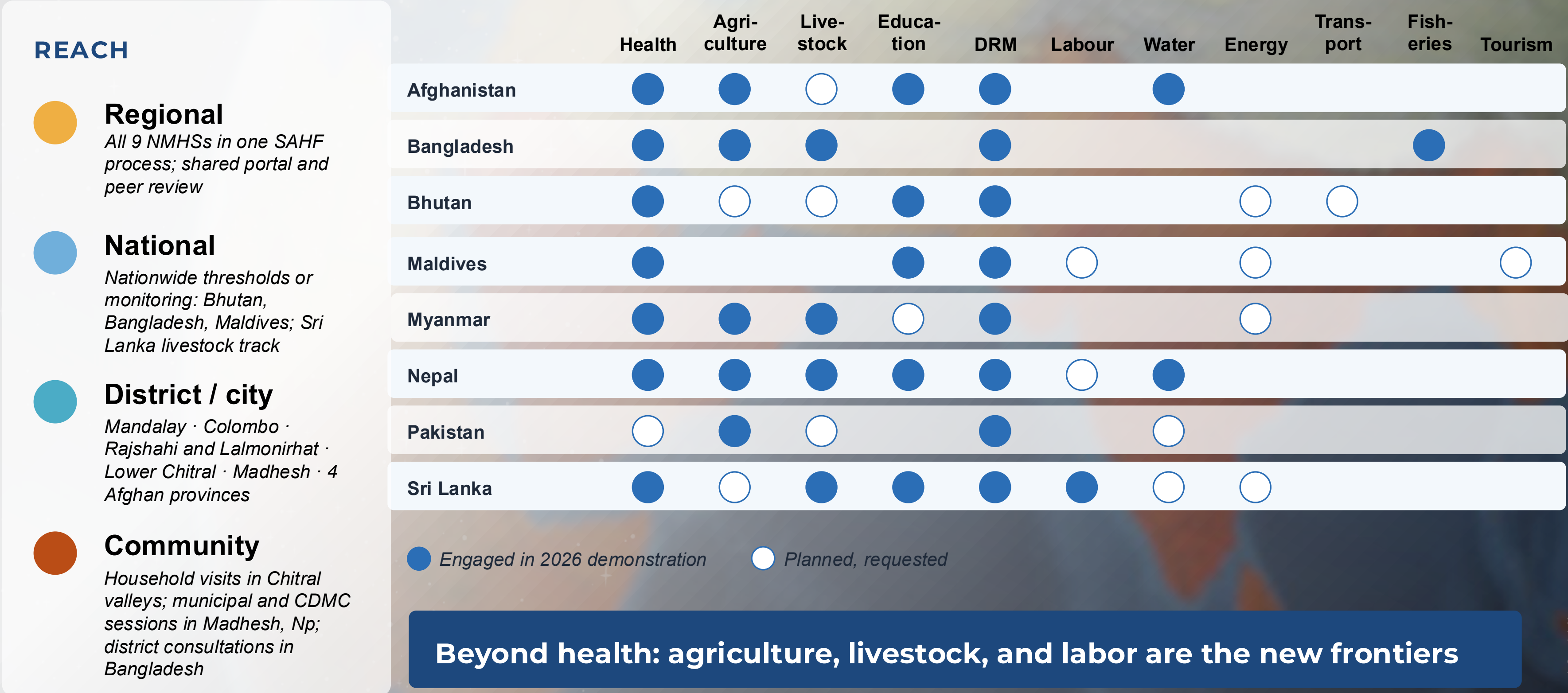
Nepal

Form TWG; regional offices lead dissemination; cold-season demo

Pakistan

INSTANT-derived thresholds; Chitral TWG; cold-season demo

4. Key Achievements | Breadth of Sectors and Reach



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Globe background: Gemini AI

5. GEDSI: Good participation; limited integration and delivery



By design

GEDSI in the framework, ToT and national agendas; Project team encourages GEDSI embedded in design (e.g., PK, SL and NP)



Measured every time

Sex, age and access-needs questions in all evaluation forms; KII and Most Significant Change (MSC) guides with GEDSI sections



Community voice

Household consultations; communication chains mapped to CDMCs (NP)

38%

women among 284 respondents

64%

women at sector-led Sri Lanka THI workshop

0

persons with disabilities recorded, despite access needs at 6 of 8 events

STORIES FROM THE DEMONSTRATIONS

Pakistan

Women and households in indigenous valleys will be consulted before any threshold; FM radio and mosques chosen for low-literacy reach in rural valleys

COUNTRY-REPORTED

Maldives

Heat posts in Dhivehi and English; schools allowed activity uniforms on hot days; audio/video for PWDs planned.

COUNTRY-REPORTED

Sri Lanka

64% women at the THI workshop; Labor drafting heat-stress provisions for outdoor and factory workers.

DOCUMENTED

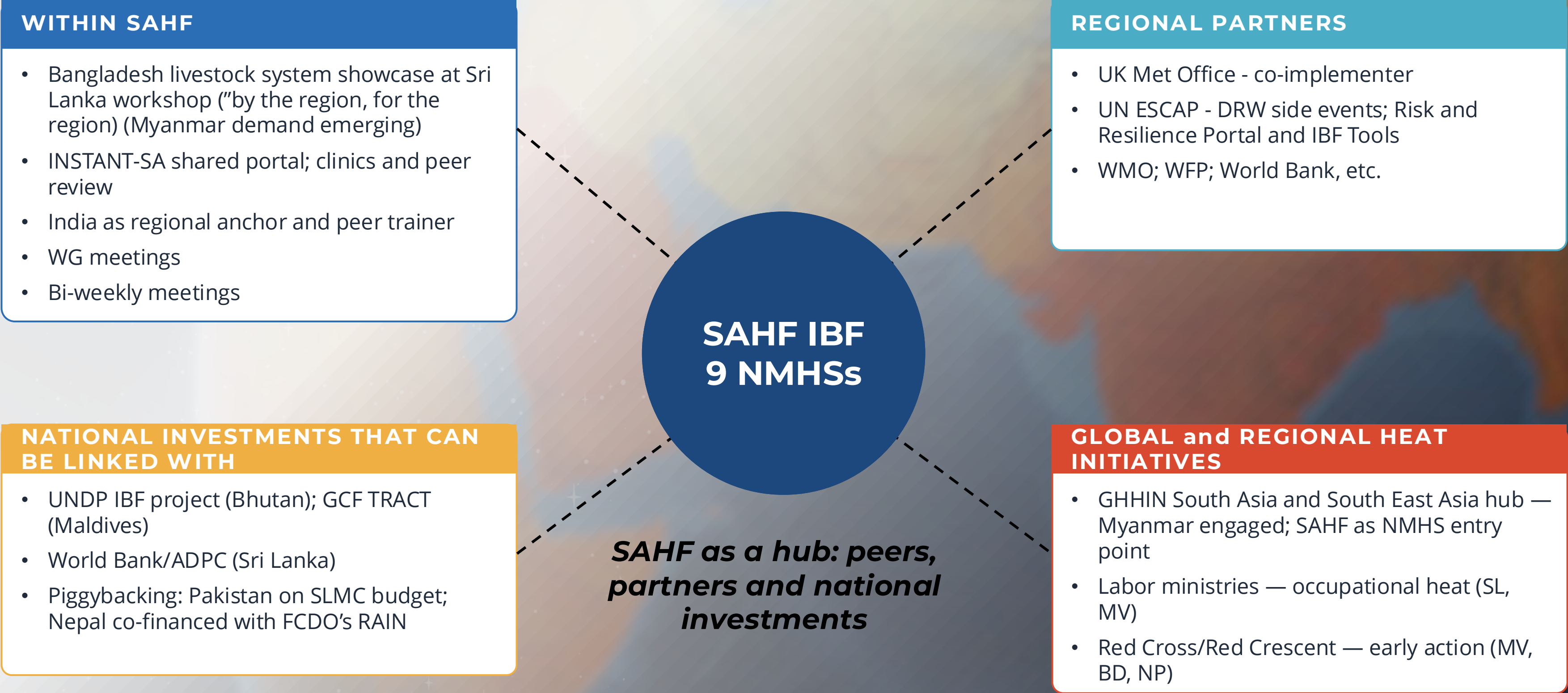
Myanmar

Advisories name elderly people, infants and outdoor workers; elderly-affairs and disability departments to join next season.

COUNTRY-REPORTED

Gaps to close: products still generic; no women’s organizations or OPDs at any event; no PWD or rural/urban data; stand-alone GEDSI sessions least valued (52%)

6. Collaboration



7. Looking Ahead

By March 2027

- Cold-season demos (PK, BT, NP, BD, AF)
 - Framework and toolkit finalized from evidence
 - National heat reviews; refreshed thresholds
 - Outcomes verified: follow-up of 200 respondents, MSC stories, case studies
 - Logframe ambition: up to 25 organizations, 6 plans/SOPs, 5 mechanisms



For Strengthening

- Impact and exposure data systems
 - Verification — informal only today
 - Endorsed SOPs (0 so far)
- Lead time and local detail users ask for
 - Staff depth beyond key individuals
 - GEDSI measurement and last mile



For Next Phase

- A second heat season under El Niño 2027
 - Close the missing middle: impact data + verification
 - Drafted and endorsed who-issues-what SOPs
 - Demand-led sector services: livestock, labor, health
 - In-country ToT; INSTANT-SA features;
 - Enhanced support for Afghanistan
- Align with national and regional initiatives UNDP (Bt), TRACT (Mv), WB (SL), RAIN (Np)





THANK YOU

FOR YOUR ATTENTION