RA VI Members Perspective: Austria in response to Armenia

Supporting Armenia in developing an operational Heat-Health EWS

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WORLD METEOROLOGICAL ORGANIZATION

Introduction and Context

- *Understanding the needs through the Request*

Armenia has identified a clear set of priorities in its request for peer-to-peer support.

Heatwave Monitoring

Establishing reliable, real-time tracking of extreme heat events using meteorological observations and indices.

Heatwave Assessment

Building analytical capacity to assess frequency, intensity, duration, and trends in heatwave occurrence.

Early Warning Development

Designing and operationalising a structured warning system with defined thresholds and alert levels.

Health Sector Integration

Aligning meteorological warnings with public health response plans and Ministry of Health protocols.

Impact-Based Communication

Developing warning products that convey health risk rather than just meteorological parameters alone.

International Alignment

Ensuring procedures and products are consistent with WMO guidelines and RA VI regional best practice.

What is the vision for the offer

- **Title** - Peer-to-Peer Support for Heat-Health Early Warning Development in Armenia
- **Description** - pragmatic approach to build momentum, deliver tangible and usable results without overloading agencies or requiring huge investments – phased implementation pathway for flexible future enhancements

Key Principles

1 Start Simple

Focus on foundational definitions and clear procedures from day one.

2 Deliver Early

Achieve operational warning capability within the first summer season.

3 Scale Progressively

Expand scope, indices, and health integration as experience grows.

WMO OMM

Offer Details

- **Technical and operational support**

GeoSphere Austria shares operational experience and expertise gained through the development and evolution of Austrian heat warning services.

Heatwave Definitions
Sharing approaches used internationally and discussing adaptation to Armenian conditions

Standard Operating Procedures
Co-developing SOPs that define workflows, decision rules, escalation pathways and inter-agency activities during heat events

Threshold Development
Supporting the development of operational thresholds based on Armenian climatology and available information

Warning Production Design
End-user centric warning products that communicate effectively

Warning Level Design
Sharing experiences in warning design and escalation concepts and pathways

Public Communication Templates
Providing examples and discussing communication practices for different audiences

Impact-Based Forecasting
Introducing the conceptual and practical foundations of impact-based forecasting aligned with WMO frameworks.

Pilot Implementation Guidelines
Providing hands-on guidance through a pilot, reviewing outputs, advising on challenges and supporting.

WMO OMM

Offer Details

- **Technical and operational support - how**

GeoSphere Austria provides knowledge transfer to build lasting and adaptable institutional expertise.

Expert Workshops

Structured training session on heatwave science, warning system design, threshold methodology, and health communication.

Operational Mentoring

Ongoing advisory support during the pilot season, with GeoSphere experts available to review decisions and provide feedback.

Knowledge Exchange

Facilitated exchange discussions and technical dialogues between GeoSphere Austria and Armenian national experts.

Lessons from Austria

Sharing the hard-won operational experience from Austria's own heat warning system, including challenges encountered and solutions developed.

Platform Expectations

- **What would you like the platform to achieve during the pilot phase?**

  - Facilitate practical peer-to-peer cooperation among NMHSs.
  - Enable rapid exchange of operational experience and proven methodologies.
  - Support concrete capacity-development activities with measurable outcomes.
  - Foster long-term professional networks and regional partnerships.
  - Demonstrate the value of voluntary cooperation through successful pilot projects such as the Armenia Heat-Health Early Warning System initiative.
  - Be showcase and baseline to further build capacities through funded mechanisms (set proof and baseline)

Platform Expectations

- What would success look like for your Service after one year of implementation?

Success would be measured not by the number of matches, but by the number of operational capabilities strengthened during our cooperation, stronger professional networks, practical exchange of expertise, sustainable cooperation.

Thank you for your attention!