

**L Deterrence through  
Transformation**

*ISA Security Summit 2026*

# **From Climate Risk to Strategic Resilience Adaptation, Mitigation & Diplomacy**

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# Climate Action as National Security

Figure S3: Modeled net zero GHG emission trajectory (by sector), compared to the REF scenario, APS, and current NDC targets for 2030 and 2050

## Three pillars:

### 1. Energy security

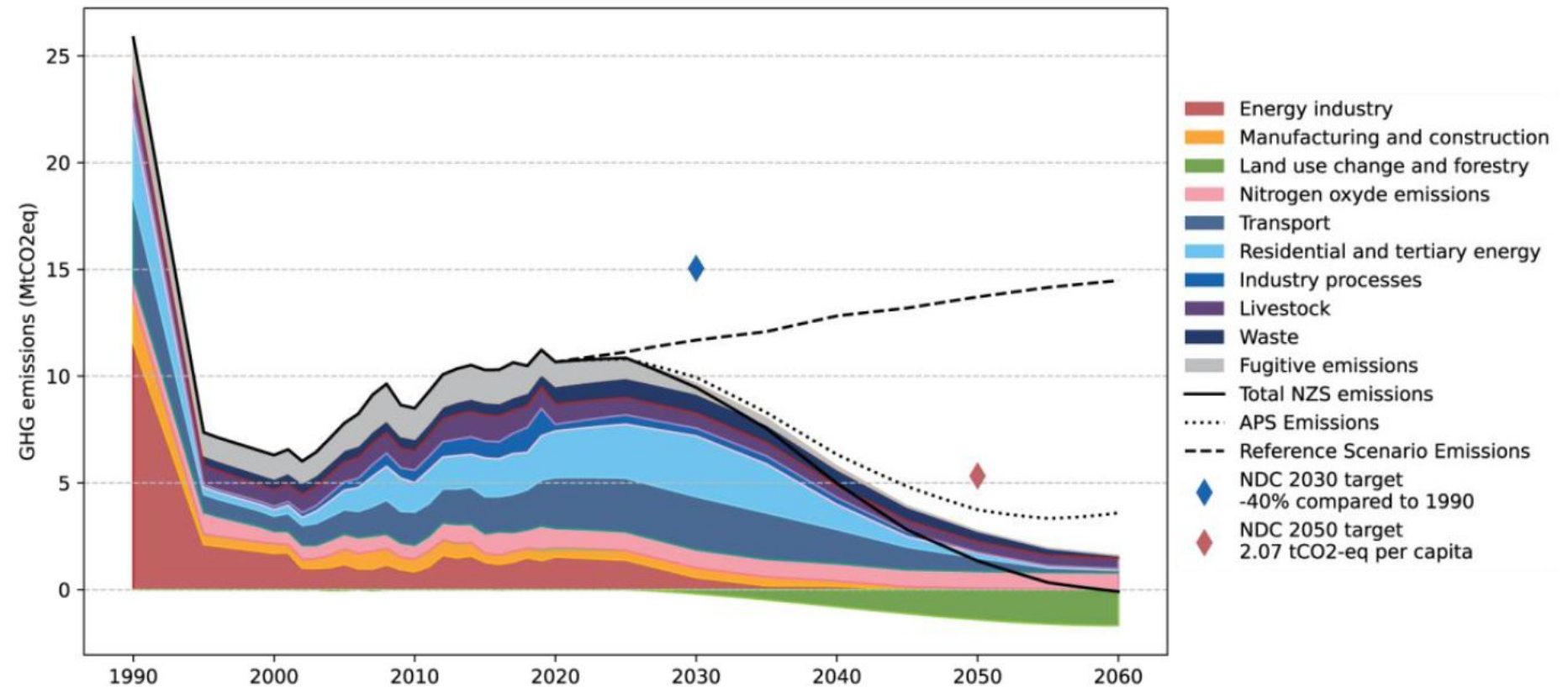
- 63% of Armenia's energy from imported gas
- renewables = strategic autonomy

### 2. Economic resilience

- carbon border adjustments
- green competitiveness

### 3. Fiscal modernization

- green fiscal reforms
- revenue + jobs + innovatio

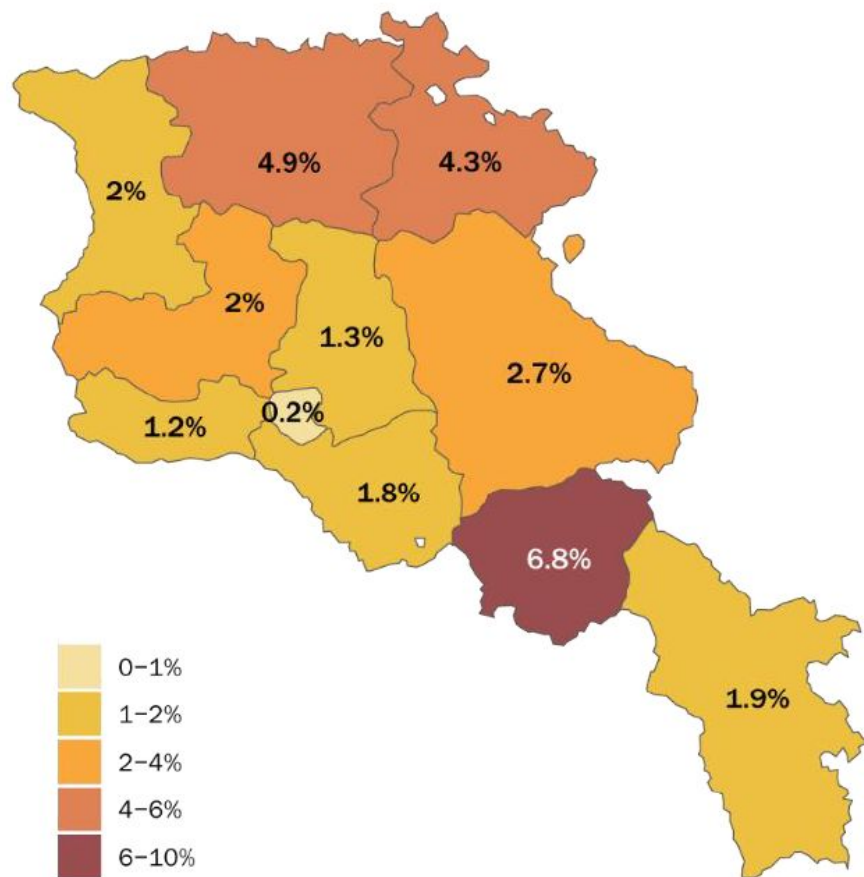


Source: World Bank staff calculations, based on modeling done for this report.

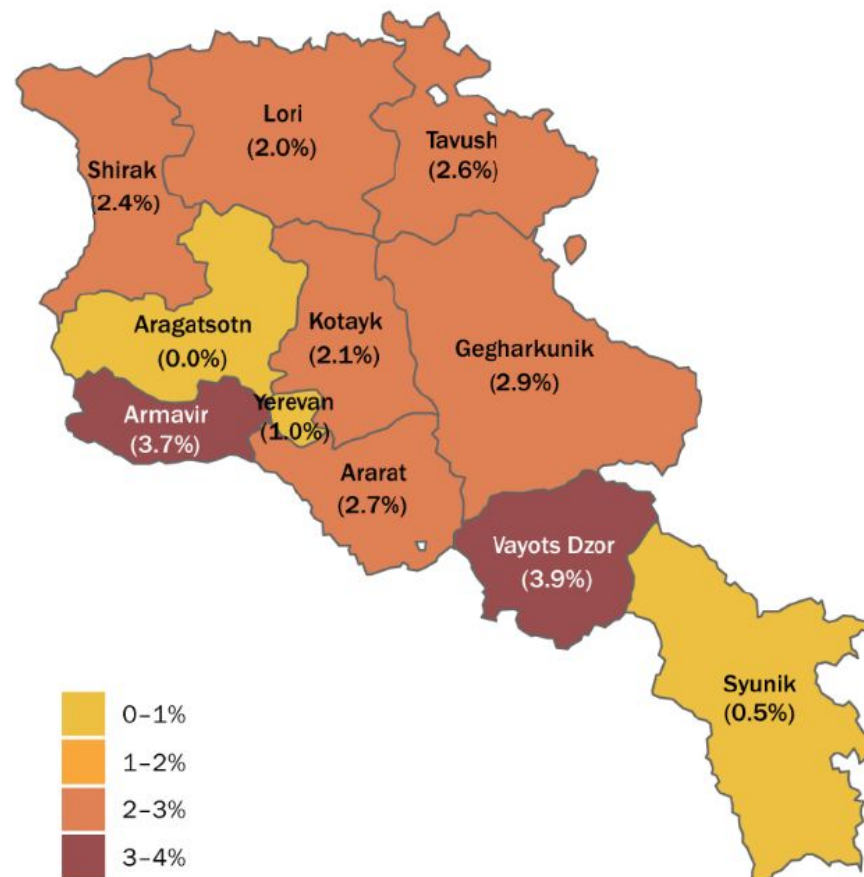
# Adaptation = National Resilience

Figure S.1: Selected climate risks, by marz

a) Average annual losses due to floods, 2020



b) Share of population falling into poverty by 2030 due to climate change impacts on water and agriculture



Sources: World Bank staff calculations, based on data from Fathom flood maps, Industrial Economics (IEc), the World Bank's Mitigation, Adaptation and New Technologies Applied General Equilibrium model (MANAGE-WB), and the Statistical Committee of the Republic of Armenia ARMSTAT 2023.

# Water Security = National Security

- **70%** municipal water losses
- **20–67%** irrigation losses
- - **37%** rainfed yields by 2050
- - **25%** irrigated yields

## HYDROPOLITICS OF THE REGION

Turkey - **upstream**  
SC - **downstream**

SC **resource vulnerability** due to geographical position

Resource originates outside of the borders

Closed borders & conflict



► Figure 6: Transboundary river basins in the South Caucasus

# COP17: Biodiversity as Strategic Opportunity

Three pillars:

## Nature Economy

- Armenia lies within the **Caucasus biodiversity hotspot**, creating opportunities for **nature-based tourism, ecosystem restoration, and biodiversity finance**.

## Nature Diplomacy

- Hosting COP17 positions Armenia **at the center of global biodiversity negotiations**, strengthening international partnerships and diplomatic visibility.

## Nature Security

- Healthy ecosystems support **water security, climate resilience, and sustainable development**, reinforcing Armenia's long-term national resilience.



*Photo credit: Berta Martirosyan, 2025, Armash, Armenia*

# Thank you

Photo credit: Irina Ghaplanyan, 2019, Vayots Dzor,  
Armenia



# Sources

- World Bank: [Armenia Country Climate and Development Report](#)
- ADB: <https://www.adb.org> (Climate Risk Country Profiles)