RAG Pipeline Answer

Question: Analyze attached Global Hunger Index reports (2006-2008) using only data from the attached documents. When information is incomplete/unavailable, state: "No sufficient evidence in source materials."

Analysis Protocol:

1. Data Validation Phase:

   - Cross-reference all claims across >=2 reports;

   - Flag any contradictory findings with "[DATA CONFLICT]";

   - Prioritize examples containing:

     - Quantitative metrics (% change; e.g., "% reduction in stunting," GHI score changes);

     - Multi-year implementation (mentioned in >=2 reports);

     - Replication evidence (>=2 countries/regions).

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2. Thematic Filter:

Only address these themes if explicitly covered in 2006-2008 reports. If a theme lacks data in 2006-2008 reports, exclude it entirely from analysis:

- Governance & political stability;

- Conflict resolution & peacebuilding;

- Gender equity & women's empowerment;

- Youth engagement;

- Climate resilience & adaptation;

- Food systems transformation;

- Local governance & community-led initiatives;

- Emergency response & resilience-building.

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3. Structured Output Requirements:

A. Success Factor Matrix (Complete First):

| Theme | Country/Region | Time Frame | Key Policy/Program | Outcome Metrics | Source (ReportYear:Page) | Sustainability Evidence (Source)|

Example:

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| Climate Resilience | Bangladesh | 2006-2008 | Coastal Embankment Project | 32% v flood damage | GHI2006:45, GHI2008_Appendix:12 | Maintained 89% infrastructure post-2007 cyclones |

"

B. Narrative Synthesis Report:

Per theme:

  1. Global/Regional Context: Trends across 2006-2008 reports (e.g., *"3 reports highlight...").

  2. National Case Study:

   - Program/Policy: Name, timeframe, and context (e.g., post-conflict, drought);

    - Reported Outcomes: Metrics + verbatim quotes (e.g., *"GHI 2008 notes: 'School feeding programs correlated with 9% enrollment rise'");

    - Scalability/Sustainability: Direct excerpts from reports (e.g., *"2006 Annex A warns: 'Requires stable local governance'").

  3. Limitations: Critiques/alternative explanations only if mentioned in reports.

C. Visualization Blueprint:

Propose 1-2 visuals (e.g., animated timeline, comparative heatmap) containing:

- Data Points: Directly cited metrics (e.g., "GHI 2007, p. 18: 22% hunger reduction in Vietnam").

- Design Notes:

   - Sections: "Key Policies 2006-2008," "Regional Success Stories.";

   - Interactive elements (e.g., filters by theme/country).

- Source annotations (e.g., GHI2007:Chart3A).

If interactive elements lack sufficient data, propose static visuals instead.

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4. Quality Assurance Measures:

Pre-Submission Checks:

A. Apply 3-Point Verification:

  - Every claim has year + page/section citations.

  - Zero extrapolation beyond 2006-2008 data.

  - Thematic relevance: Omit themes absent in reports.

B. Verification Commands: "Cross-validate [Country/Program] outcomes between [GHI200X:Page]

and [GHI200Y:Section].".

C. Strict Prohibitions:

  - No extrapolation beyond report data;

  - No synthesis of disconnected findings without explicit report linkage.

D. Mandatory Tags:

  - [WEAK EVIDENCE]: Single-report claims without replication;

  - [CONTEXT GAP]: Missing prerequisite details in reports.

Answer:

No sufficient evidence in source materials | Example: " | Global Hunger Index | 2006-2008 | Global/Regional Context: Trends across 2006-2008 reports (e.g., *"3 reports highlight..."); 2. National Case Study: - Program/Policy: Name, timeframe, and context (e.g., post-conflict, drought); - Reported Outcomes: Metrics + verbatim quotes (e.g., *"GHI 2008 notes: 'School feeding programs correlated with 9% enrollment rise'"); - Scale

Sources:

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