### GHANA NDC FACTSHEET

**Population:** 29,767,108  
**Income group:** lower middle income  
**CO2 emissions (kilotons):** 20,085  
**National biodiversity index:** 0.646

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<tr>
<th>NDC submitted by nation</th>
<th>Detailed adaptation plan</th>
<th>Low climate risk</th>
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**Stated Vulnerabilities**
- Agriculture / livestock
- Water
- Health and wellbeing
- Highly vulnerable groups
- Transport / infrastructure
- Forestry
- Urban settlements

**Adaptation Actions**
- Nature-based
- Hybrid
- Indirect

**Adaptation Outcomes**
- Increase resilience / reduce risk
- Food security
- Sustainable development / green growth
**Planned Nature-based Action in Adaptation Plan**

Modified community-based conservation agriculture adopted in 43 administrative districts.
Governance reform for utilisation of forest resources for sustainable energy use and biodiversity business.

**Nature-based Target or Measure**

Modified community-based conservation agriculture adopted in 43 administrative districts.
Manage 413,000ha fragile, ecologically sensitive and culturally significant sites in 22 administrative district in the forest and savannah areas.

**Broad type of indirect action**

- Investment in climate change research / monitoring
- Disaster risk reduction
- Community capacity building
- Health research / action
- Resilient livelihoods

**Broad type of hybrid action**

- Climate Smart Agriculture
- Resilient water infrastructure / water management
- Resilient urban settlements
Studies of nature-based solutions in Ghana

Linking agricultural adaptation strategies, food security and vulnerability: evidence from West Africa
Douxchamps, S. et al. (2016) *Regional Environmental Change*

Ecosystem-Based Approaches Toward a Resilient Society in Harmony with Nature
Takeuchi, K. et al. (2016) *Ecosystem-Based Disaster Risk Reduction and Adaptation in Practice*