



- Access to non-solid fuels (%population) → **75.9%**
- CO2 emission from fuel combustion /electricity output (MtCO2/TWh) → **1.5**

Thai Integrated Energy Blueprint Challenge

1. Power Development Plan
2. Energy Efficiency Plan
3. Alternative Energy Development Plan
4. Gas plan
5. Oil plan



- The change of geopolitics of major energy and economic powers and climate change are affecting Thailand's energy policy.



- Children 5-14 years old involved in child labor → **8.3%**
- **0.6%** Unemployment rate
- Adjusted growth : **4.8**

Economic Plan

1. 20-year National Strategy Framework → Upgrade Thailand from middle income to **high income by 2036**
2. 12th National Economic and Social Development plan → aim to strengthen national competitiveness with service and digital based economy, enhance skill of the workforces and provide labor protection and welfare.



39.3% of population using the internet
only 0.5% of GDP spending on **R&D**

Quality of overall infrastructure : **4/10**

Development Plan

1. Developing transport infrastructure that is resistant and resilient to change → 20-Year Draft Strategy for Transport Systems Development
2. Developing Inclusive and Sustainable Industry and Promoting Innovation → 20- Year Thailand 4.0 Industrial Development Strategy



- Gini index : **37.9**

Policies

1. Building capacity of communities Public-Private-People Policy (PPPP)
2. The registration for State Social Welfare Scheme
3. Solving informal debt problems

Challenge

1. Creating a just society with less social disparity
2. Uplifting of the bottom 40% of population by 15% each year



Annual mean concentration of particulate matter of less than 2.5microns of diameter (PM2.5) in urban areas (g/m3) → **25.8**

Improved water source (% urban accessed population) → **75.9%**

Progress

1. Integrated and Resilient Urban Planning
2. Land Tenure and Management
3. Adequate Housing
4. Public Private Partnership
5. Disaster Risk Management
6. Empowering Local Governments
7. Urban Development Project in Thailand



- Energy-related CO2 emissions per capita (tCO2/capita) → **4.5**
- Climate Change Vulnerability Index → **0.2/1**
- **12th country** ranked in the "extreme risk" category in the Maplecroft's Climate Change Vulnerability Index (CCVI)
- one of the top ten most affected countries from long-term impacts of extreme weather events.

Management Plan

1. Thailand's climate change management master plan
2. National Disaster Prevention and Mitigation Plan
3. National Adaptation Plan



Ocean Health Index - Biodiversity → **85.2/100**
 Ocean Health Index - Clean Waters → **54.2/100**
 Percentage of Fish Stocks overexploited → **43 %**

Management Plan

1. 2015 Marine and Coastal Resources Management Act → preserve the marine ecosystems and enhance biodiversity → eliminating illegal, unreported and unregulated (IUU) fishing
2. National Plan of Action to Prevent, Deter and Eliminate IUU fishing



Red List Index of species survival → **0.8/1**
 Annual change in forest area → **6.4%**



Homicides (per 100,000 people) → **3.9**
 Prison population (per 100,000 people) → **398**
 Corruption Perception Index → **35**
 Property Rights → **3.8/7**

Management Plan

1. The 20-Year National Strategy Framework
2. The 12th National Economic and Social Development Plan
3. National Reserved Forest Act
4. Strategic Plan for Biodiversity 2011-2020
5. Aichi Biodiversity Targets

Plan and Policies

1. Framework for Effective Crime Prevention
2. "zero tolerance" policy
3. The Organic Act on Counter Corruption 2015
4. Kamlangjai (Inspire) Project



For all other countries: Tax revenue (% GDP) → **16.5%**

Objectives

1. Strengthening and mobilizing partnership for development promoting investment in foreign countries especially in ASEAN and emerging markets.
2. aims to enhance the effectiveness of tax collection

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