



INITIAL 2 BIENNIAL 0 UPDATE 1 REPORT 9

under the
UNITED NATIONS FRAMEWORK
CONVENTION
ON CLIMATE CHANGE (UNFCCC)



Islamic Republic of Afghanistan
National Environmental Protection Agency

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Kabul University
Ministry of Agriculture, Irrigation and Livestock
Ministry of Economy
Ministry of Energy and Water
Ministry of Finance
Ministry of Industry and Commerce
Ministry of Mines and Petroleum
Ministry of Rural Rehabilitation and Development
Ministry of Urban Development and Land
National Statistics and Information Authority

FOREWORD

I am pleased to present the First Biennial Update Report of the Government of the Islamic Republic of Afghanistan to the United Nations Framework Convention on Climate Change, in fulfilment of our commitment under Article 4, paragraph 1(a) and Article 12 of the Convention and Decision 1/CP.16.

The BUR contains the most updated information on national circumstances, greenhouse gas inventory for 2012-2017 time series. Apart from the information related to the mitigation actions and their effects, the report also provides an overview of the planned programmes and projects that are beneficial to the mitigation of climate change. The country is planning to implement its mitigation programmes up to 2030 depending on technical and financial support provided by bilateral and multilateral financial entities.

The Special Report on Global Warming released in October 2018 by the Intergovernmental Panel on Climate Change shows that the human-induced global warming has reached 1°C above the pre-industrial average global temperature. However, the South East Asia region, which includes Afghanistan, has already experienced much higher average temperature in some parts. Afghanistan is a least developed country and amongst the poorest twenty countries in the world that has negligible per capita emissions. In 2017, per capita emission of Afghanistan, excluding the Land Use, Land Use Change and Forestry (LULUCF) sector were 1475.37 kg which only accounts for approximately 0.08% of the total global GHG emissions. Despite being one of the lowest contributors to the global greenhouse gas emissions, it has witnessed a mean increase of 1.8°C, which is above the target of 1.5°C recommend in the report.

Although, we have demonstrated our commitment to channelling our own scarce resources to ameliorating the impacts of climate change and fulfilling our own end of the bargain; we are looking for our international partners to continue supporting us in addressing the global phenomena of climate change in our country.

Afghanistan's First Biennial Update Report would not have been possible without the contribution of valuable data from the government line ministries and agencies. I wish to congratulate all those involved in the process of preparing the First Biennial Update Report, particularly the members of the National Study Teams and the National Climate Change Committee. The report was prepared involving all key stakeholders within multi-disciplinary study teams and through a broad consultative process coordinated by the National Environmental Protection Agency.

Finally, I would like to take the opportunity to thank the United Nations Framework Convention on Climate Change, Global Environment Facility, and UN Environment Afghanistan office for their financial and technical support for the preparation of this report.

Schah-Zaman Maiwandi

Director General

National Environmental Protection Agency

Islamic Republic of Afghanistan

ACRONYMS

ACCSAP	Afghanistan Climate Change Strategy and Action Plan
ACEP	Afghan Clean Energy Project
ACU	Aid Coordination Unit (ACU)
AD	Activity Data
ADB	Asian Development Bank
AESS	Afghanistan Energy Sector Strategy
AF	Adaptation Fund
ANDMA	Afghanistan National Disaster Management Authority
ANDS	Afghanistan National Development Strategy
ANPDF	Afghan National Peace and Development Framework
ANREP	Afghanistan National Renewable Energy Policy
APSM	Afghanistan Power Sector Master Plan
AREDP	Afghanistan Rural Enterprise Development Programme
ARTEMIS	Assessment and Reliability of Transport Emission Models and Inventory Systems
ASERDP	Afghanistan Sustainable Energy for Rural Development Programme
ASY	Afghanistan Statistical Yearbook
BAU	Business As Usual
BCM	Billion Cubic Metres
BGS	British Geological Survey
BRT	Bus Rapid Transit
BUR	Biennial Update Report
CARD-F	Comprehensive Agriculture and Rural Development – Facility
CCFF	Climate Change Financing Framework
CCNIS	Climate Change National Information System
CDM	Clean Development Mechanism
CEC	Committee for Environmental Coordination
CFU	Climate Finance Unit
CH ₄	Methane
CNG	Compressed Natural Gas
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
COP	Conference of Parties
COPERT	Computer Programme to Calculate Emissions from Road Transport
CPAs	Component Programme of Activities
CSO	Central Statistics Organization
CTCN	Climate Technology Centre and Network
DABS	Da Afghanistan Breshna Sherkat
DFID	Department for International Development (UK)
DOM	Dead Organic Matter
DSW	Domestic Solid Waste
EF	Emission Factor
EIA	Environmental Impact Assessment
EIB	European Investment Bank
EITI	Extractive Industries Transparency Initiative
ENPEP	Energy and Power Evaluation Programme
FAO	Food and Agriculture Organization of the United Nations
GCF	Green Climate Fund
GCV	Gross Caloric Value
GDP	Gross Domestic Product
GEF	Global Environment Facility
GHG	Green House Gas
GIROA	Government of Islamic Republic of Afghanistan
GT	Gas Turbine
GWP	Global Warming Potential
HBEFA	Handbook Emission Factors for Road Transport (model)
HDI	Human Development Index
HFA	Hyogo Framework for Action
HFC	Hydrofluorocarbons
HH	Households
HPP	Hydropower Plant
HRSG	Heat Recovery Steam Generator
ICE	Inter-ministerial Commission for Energy
ICIMOD	International Centre for Integrated Mountain Development
ICRE	Interministerial Commission on Renewable Energy
ICS	Improved Cooking Stove
ICTU	Information necessary for Clarity, Transparency, and Understanding

IDA	International Development Assistance
IDLG	Independent Directorate of Local Governance
IDP	Internally Displaced People
IEA	International Energy Agency
INC	Initial National Communication under the UNFCCC
INDC	Intended Nationally Determined Contribution
IPCC	Intergovernmental Panel on Climate Change
IPPU	Industrial Processes and Products Use
IRES	International Recommendations for Energy Statistics
IWRM	Integrated Water Resource Management
JICA	Japan International Cooperation Agency
KCA	Key Categories Analysis
KPI	Key Performance Indicator
kWh	Kilowatt hour
LDC	Least Developed Country
LDCF	Least Developed Countries Fund
LEAP	Long-range Energy Alternatives Planning
LEDS	Low Emission Development Strategies
LPG	Liquid Petroleum Gas
LTO	Landing and Takeoff
MAIL	Ministry of Agriculture, Irrigation and Livestock
MCA	Multi-Criteria Analysis
MDG	Millennium Development Goal
MEA	Multilateral Environmental Agreement
MEW	Ministry of Energy and Water
MHP	Micro Hydro Plants
MHP	Micro Hydro Power
MoEc	Ministry of Economy
MoEd	Ministry of Education
MoF	Ministry of Finance
MoFA	Ministry of Foreign Affairs
MoMP	Ministry of Mines and Petroleum
MOU	Memorandum of Understanding
MPS	Most Probable Scenario
MRRD	Ministry of Rehabilitation and Rural Development
MRV	Measurement Reporting and Verification
MUDL	Ministry of Urban Development and Land
MW	Mega Watt
MWh	Mega Watt hour
N ₂ O	Nitrous Oxide
NAMA	Nationally Appropriate Mitigation Actions
NAPA	National Adaptation Programme of Action
NBSAP	National Biodiversity Strategy and Action Plan
NCCC	National Climate Change Committee
NCSA	National Capacity Self-Assessment
NCSP	National Communication Support Programme
NCV	Net Caloric Value
NEPA	National Environmental Protection Agency
NES	National Environment Strategy
NFMP	National Forestry Management Policy
NGO	Non-governmental Organization
NMT	Non-Motorized Transport
NMVOC	Non-methane Volatile Organic Compounds
NOX	Nitrogen Oxides
NPP	National Priority Programme
NRAP	National Rural Access Programme
NREL	National Renewable Energy Laboratory
NSP	National Solidarity Programme
NST	National Study Team
ODA	Official Development Assistance
PIN	Project Idea Note
PMO	Project Management Office
PoA	Program of Activities
PV	Photovoltaic
RCP	Representative Concentration Pathway
RECC	Renewable Energy Coordination Committee
REDD	Reducing Emissions from Deforestation and Forest Degradation

REFEF	Renewable Energy & Energy Efficiency Fund
RRES	Rural Renewable Energy Strategy
Ru-WatSIP	Rural Water Supply, Sanitation and Irrigation Programme
SAARC	South Asian Association of Regional Cooperation
SCWE	Supreme Council for Water and Environment
SEI	Stockholm Environment Institute
SHS	Solar Home System
SME	Small and Medium Enterprises
SNC	Second National Communication under the UNFCCC
STAR	GEF's System for Transparent Allocation of Resources
SWH	Solar Water Heater
TCCCA	Transparency, Completeness, Consistency, Comparability, Accuracy
TCF	Trillion Cubic Feet
TCS	Traditional Cooking Stoves
TWG	Technical Working Group
UNCBD	United Nations Convention on Biological Diversity
UNCCD	United Nations Convention to Combat Desertification
UNDP	United Nations Development Programme
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
UNPP	Urban National Priority Programme
USAID	United States Agency of International Development
USD	United States Dollar
USGS	United States Geological Survey
WB	World Bank
WCS	Wildlife Conservation Society
WHO	World Health Organization
WMO	World Meteorological Organization

TABLE OF UNITS

cm	centimetre
g	gram
Gg	gigagram
GWh	gigawatt hour
ha	hectare
hr	hour
kg	kilogram
km	kilometre
km ²	square kilometre
kPa	Kilopascal
kt	kiloton
ktoe	kilo tonnes of oil equivalent
kWh	kilowatt hour
m	metre
m ³	cubic metre
mm	millimetre
Mt	million tonnes

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/云报告?reportId=5_14156

