UNDP'S RESPONSE to el niño and la niña



Empowered lives. Resilient nations.



FROM RECURRING CRISIS TO RESILIENCE AN INVESTMENT CASE

CONTEXT

he 2015-2016 El Niño¹ phenomenon has been one of and losses from the phenomenon. The 1997-1998 El Niño, for countries. It has devastated crops and killed livestock, in some as devastating, and while its peak impact may have passed, the cases dried up water-sources in others caused massive flooding. effects may last well into 2017. driven up malnutrition rates, increased disease outbreaks and caused significant migration.

Starting in April 2015 El Niño started to grow by December, crucial to the life and wellbeing of millions, does not disruptions in temperature, rainfall, and surface air pressure across the tropical Pacific were on par with the strongest on only a humanitarian challenge, but also a long-term development record. Many regions experienced climate extremes and weather challenge. Factors such as poverty, inequality, environmental anomalies. Sixteen tropical cyclones formed in or passed through degradation, competition over scarce natural resources, high the unusually warm central Pacific hurricane basin in 2015, population growth, rapid and uncontrolled urbanization, and weak three times the average and four more than the previous record governance contribute to make countries and their people more sustained three category 4 hurricanes at the same time, a first, not just for the central Pacific, but for any basin during the modern who directly depend on natural resources for food, clean water, record. Drought was also widespread. El Niño in the dry corridor of Central America resulted in a dry spell beginning in early June safety nets are the most affected. 2015 lasting until mid-September, severely affecting staple crops causing losses of up to 100 per cent. The Indian monsoon, on In summary this massive humanitarian crisis is based on a which the vast majority of the countries agriculture depends, fell predictable climate pattern, and worsened by climate change to extremely low levels. Drought was also severe in Southern that impacts disproportionately those areas that suffer from African and the Horn, with Ethiopia, Malawi and Angola poverty and inequality. This combination warrants a significant significantly affected.

The long-term impact of the current El Niño has yet to be fully preparedness and recovery, through to long-term effective assessed but experience from past events illustrate the magnitude climate-risk management and risk-informed development.

the strongest on record, affecting deeply the lives and example, caused at least 2000 direct deaths and at least US\$33bn livelihoods of more than 60 million people across 40 in damages. The 2015-2016 El Niño is likely to have been at least

> In response, the global humanitarian appeal for El Niño is one of the largest ever: US\$5 billion. However, the appeal, whilst tackle the underlying vulnerabilities and risks. El Niño is not and more vulnerable to climate change induced increasing frequency and intensity of weather-related hazards. The poorest, energy, shelter, and income and do not have access to social

investment in a range of interventions that will tackle vulnerability and deliver resilience, from early warning,

The Impact of El Niño: What Needs Assessments Say

UNDP's work at the country level, supporting governments to manage El Niño and through post-disaster needs assessments (PDNA) carried out with partners, illustrates the realities of impact on countries and communities:

Angola: The drought driven by El Niño has caused a progressive reduction of available water, aggravating previous dry spells. This situation is having a major impact at household level where a progressive decline of the water table has led to 80 per cent of the existing boreholes being non-functional. It is estimated that less than 20 per cent of affected communities have currently access to safe water, which in turn is affecting health with increasing cases of diarrhea and other water-related diseases.

Malawi: Due to the erratic rains and prolonged dry spells caused by El Niño, agriculture production has been severely affected resulting in economic losses of US\$199 million. Cereals accounted for 60 per cent of the losses and this is particularly critical in a country where subsistence agriculture remains the main source of food and livelihoods. It is estimated that 6.4 million people will be in need of food assistance during the next lean season (first quarter of 2017).

Fiji: Cyclone Winston, which struck Fiji in 2016, affected approximately 62 percent of its population. One in five households across the country have experienced total destruction of their houses and the loss of mostpersonal belongings. The social and psychological impact on the affected population has been enormous. Displacement has been common. There are causes for concern for security in some transitional shelters. Women have been particularly affected, as the destruction of homes has often led to damage to any equipment and materials used for traditional home-based livelihoods.

rs to the recurrent (three-to-seven years) warming of the central to eastern Pacific Ocean, when sea surface temperatures increase by 1–3°F or more. El Niño impacts weather systems, often reversing usual patte n extreme events. Although naturally occurring, El Niño events vary and intensify as a result of climate change. La Niña, characterized by the cooling of equatorial waters, follows and can have a greater overall im used capacity to cope by El Niño. A predictable climactic hazard, El Niño affects the same 40 countries each and every cycle depending on its strength.



UNDP'S RESPONSE

l Niño is a critical issue for UNDP, going to the heart of its resilience focus and development mandate, including efforts linked to achieving Sustainable Development Goal 13 on Climate Action. During the current El Niño event, we have adapted existing programming and provided additional core resources to provide support at the global, regional, and country levels in all affected regions. We have also contributed significantly to inter-agency advocacy, including shaping the new El Niño standard operating procedures, and committed a full-time secondment to support the SG's Special Envoys on El Niño and Climate. This has been underwritten by the development of a global El Niño strategy that provides the structure for all of UNDP's work. Some of our efforts, both regional and country-examples are as follows:

In Africa and Arab States, UNDP is working with Regional 🛛 📕 In Vietnam, UNDP is coordinating with multiple national Economic Commissions to improve advocacy and information resilient recovery, supporting governments and communities to prepare for and bounce back from climate induced disasters, to diversify income sources, strengthen capacities for climate adaptation and mobilize public and private resources.

- 📁 UNDP is also supporting governments to set up innovative 🛛 📁 UNDP supported the Government of Fiji in conducting financing to address both humanitarian and resilience needs. For example, a US\$50 million multi-donor **Zimbabwe** through cash savings, informal safety nets, disaster risk reduction (DRR) strategies, and hazard insurance.
- In Mozambigue, the UN Resident Coordinator and Humanitarian Country Team has coordinated international humanitarian support, with UNDP leading on Early Recovery. services, and broad technical and advisory assistance. This has supported response to immediate needs, and medium to long-term measures to build community resilience to disaster and climate risk.
- requested to coordinate and provide technical assistance. The government (with the support of the UN) has launched an appeal to deal with the situation to mobilize US\$26 million to cover various immediate and urgent needs.

In **Asia-Pacific**, UNDP established a flexible advisory support hub for enhancing regional mechanisms; developing a composite methodology for societal impact assessment; and preparing a regional risk profile study with national/sub national level disaggregation:

In Indonesia, El Niño has contributed to widespread peat land and forest fires (which also have major consequences on CO2emissions) and drought due to overly dry conditions. UNDP has supported the government to diversify livelihoods and initiate climate-smart agriculture and climate-smart water provided in drafting El Niño / La Niña Scenarios, which can now also be a basis for a National Contingency Plan and better preparedness.

and international partners to monitor the drought situation. Along with UNITAR, it has undertaken drought mapping and risk assessment. UNDP's long-term DRR programme in scale rural infrastructure.

the PDNA following the landfall of cyclone Winston in February 2016 and developing a recovery programme. In the Republic of Marshall Islands, UNDP provided technical and financial support both for emergency response as well as long-term programmatic interventions in the wake of climate hazards.

In Latin America and the Caribbean, UNDP is leading in establishing early recovery clusters involving UN agencies, IFRC and NGOs and enhancing coordination with governments at different levels. Pilot initiatives have been implemented to potential to be replicated.

📁 In Djibouti, UNDP is involved through UNCT and has been 🛛 📁 In Cuba, UNDP and WFP are working together in 20 action, specifically through strengthening the technical capacity of meteorology and hydrology sectors to monitor drought. These drought risk assessment systems will be complemented by food security and nutrition indicators and used to trigger the early warning system.

> In Europe and the CIS, where disaster and climate risk are not strongly correlated to El Niño, a major knowledge base (and human resources) relevant to the same types of climate-related disasters is being utilized for inter-regional solutions.

El Niño is a critical issue for **UNDP**, going to the heart of its resilience focus and development mandate, including efforts linked to achieving Sustainable Development **Goal 13** on Climate Action.



THE UNDP APPROACH

s a development agency, UNDP's approach is long-term. UNDP's El Niño Strategy, developed at the outset of the phenomenon in late 2015, focuses on developing the capacity of countries to build-long term resilience, delivering urgent improvements in early varning and preparedness, utilizing the recovery phase to make long-term systematic improvements to livelihoods and environmental management. UNDP works closely with governments to strengthen their climate risk management and invest in risk-informed development. Support in these areas will also tackle long-standing vulnerabilities and ensure synergy between humanitarian and development activities.

Information, Early Warning/Action and Preparedness to protect lives and minimize impact

- Information management / Understanding and communicating risk
- Multi-hazard early warning and early action
- Preparedness planning and implementation

7 Immediate Response and Resilient recovery to stabilize livelihoods, build systems and institutions

- Support to joint assessments, coordination and planning
- Restoring livelihoods and revitalizing local economies
- Restoring core government functions

3 Disaster and Climate Resilience Building to address underlying vulnerabilities before the onset of El Niño/La Niña, integrating climate and disaster risk and ensuring risk-informed development integrating climate and disaster risk and ensuring risk-informed development

- Integrated disaster and climate risk governance
- *Biodiversity and ecosystem management*
- *Support to long-term risk informed economic development*
- Developing conflict sensitive capacities in particular in disaster conflict interface settings

The proposals which UNDP has developed for 25 countries reflect the approach outlined above. UNDP's activities in support of the approach would improve governments' capacities to prepare and respond to the El Niño crisis, provide support to households and communities, and strengthen resilience of the people.

In addition, crosscutting themes such as gender and women's empowerment, south-south cooperation, information management,

advocacy, and the interface between climate and insecurity, will be a core component of all work at the country level. The component of global support, which UNDP has included, management and evidence, and maintain and deepen standards of work through monitoring and evaluation.

> This development appeal is based on UNDP's existing work under this framework, work that has supported dozens of countries to tackle both present impact and long-term issues. The scale and scope of this cycle's El Niño has been so significant, however, that it demands increased efforts. Based on a comprehensive review undertaken across a full range of priority-affected countries, the appeal focuses on specific targeted interventions planned by sector and type that remain unfunded.

> > **UNDP's** activities will improve the capacity of governments to build the **long-term resilience** of people, communities and countries to El Niño in the most at-risk parts of the world.



Why UNDP

UNDP's 20-year experience supporting over 160 countries to deliver both climate action and risk reduction has given it the tools, resources and expertise to help countries tackle El Niño in the long-term:

- **Capacity Development in Risk Governance, Preparedness, Recovery and Resilience:** UNDP has expertise across the range to integrate risk into their development strategies, protect investments and make development sustainable.
- **Bridging Climate and Development:** Ensuring that development is zero-carbon and risk-informed is the only way to
- Early Recovery Leadership: mandated by the United Nations Emergency Relief Coordinator as Global Cluster Lead for of long-term resilience.
- vulnerable or otherwise, has a voice and is able to participate in climate action and risk reduction.
- Partnerships and Innovation: UNDP works with an extensive network of partners from the UN system, development multi-faceted challenge that is El Niño.
- **Extensive Organizational Infrastructure:** A network of 170 Country Offices, Regional Hubs, and Policy Centers work undertake sustainable development. This ensures advice and support that delivers appropriate and contextualized action.

UNDP'S RESPONSE TO EL NIÑO AND LA NIÑA

of requirements needed to tackle El Niño. Our work helps build the capacity of countries and communities to prevent and prepare for hazards, recover from their impact and build long-term resilience. As importantly, UNDP supports governments

deliver long-term sustainability. As the lead UN development agency, it has deep familiarity with national and local context, development priorities and challenges and is well placed to support countries to integrate climate concerns into development.

Early Recovery, UNDP leads the international system to help countries transition from crisis interventions to the building

Empowering the Most Vulnerable: UNDP has a track record of supporting countries most vulnerable to climate change. Our extensive adaptation portfolio, UN-REDD and the Climate Vulnerable Forum are just a few examples of work that helps the most vulnerable lead within and beyond national borders. Central to UNDP's work is ensuring that everyone,

banks, civil society and private sector, bringing together best expertise to support countries to meet development aspirations. Through partnership, joint implementation and innovation, UNDP is able to find new ways to tackle the

with UNDP Headquarters to help countries develop policies, programmes and approaches to tackle climate change and

FUNDING REQUIREMENTS



COUNTRY

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	COUNTRY	REQUIREMENT (USD)	المرجع المرجع	
AFRICA AND ARAB STATES (HORN OF AFRICA)				
	and the second secon		1 K	
	Angola	\$ 9,600,000		
	Burundi	\$ 1,500,000		
	Ethiopia	\$ 10,000,000		
3	Kenya 🦟 🦯	\$ 5,728,400	2	
	Lesotho	\$ 2,938,000	100	
	Madagascar	\$ 3,404,348		
	Malawi	\$ 3,608,000		
	Rwanda	\$ 3,402,432		
	Somalia	\$ 2,401,000		
	Sudan	\$ 2,756,268		
	Swaziland	\$ 2,700,000		
	Uganda	\$ 2,500,000		
	Zimbabwe	\$ 2,241,011		

ASIA PACIFIC

Bhutan		\$ 650,000	
Indonesia		\$ 2,250,342	
Pacific countries		\$ 1,500,000	
Papua New Guinea	5	\$ 3,010,000	
Sri Lanka		\$ 2,000,000	
Timor-Leste		\$ 2,500,000	
Vietnam		\$ 5,018,200	

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	GLOBAL OORDINATION ND RESPONSE

TOTAL











REQUIREMENT (USD)

AND CARIBBEAN

\$ 1,743,000 \$ 1,100,000 \$ 900,000 \$ 1,200,000 \$ 1,157,970 \$ 1,116,519

\$2,500,000

\$79,425,490



COUNTRY OVERVIEW

Africa and Arab States (Horn of Africa)

espite rapid growth, poverty across Africa remains high, and progress towards global development goals is uneven. Increasingly frequent natural disasters have eroded the recovery capacities of vulnerable populations, threatening hard-won development gains. UNDP is working at the regional level through Regional Economic Commissions to improve advocacy, information management and the formulation of innovative solutions for crisis response and resilient recovery. It supports national governments and communities to prepare for and bounce back from climate induced disasters, to diversify income sources, strengthen their capacities for climate change adaptation and mobilise public and private resources for resilience building.

In the Horn of Africa region, a drought exacerbated by El Niño has directly affected the region, leading to an increase in food insecurity and malnutrition and a serious impact on agricultural production and livelihoods. As of June 2016, 24 million people in the region were facing critical and emergency food insecurity. Excessive rains in late 2015 and in the March to May rainy season of 2016 led to flooding in parts of Somalia, Kenya, Ethiopia and Uganda. Heavy rains intensified in late April, affecting nearly 410,000 people, displacing 231,916 people and killing 271 people in the region. While the El Niño can now be considered over, IGAD-ICPAC and global climate partners predict that the impact is likely to be felt into 2017, and there still remain critical gaps showing the need to prepare for the next time (El Niño can be followed by La Niña and vice versa with guaranteed recurrence, although the exact timing is variable).





ANGOLA

SITUATION OVERVIEW: Successive years of drought and another harvest failure in 2016 have severely affected large groups of already marginalized communities that have few alternative livelihood options or safety nets. UNDP is already on the ground and proposes to further scale up ongoing livelihood support through women and assist in the operationalization of a Resilience Fund supporting a total of 755,930 people in need of income diversification, basic services, livelihood support and small infrastructure development in transition from humanitarian to development phases. At the same time, UNDP will continue to assist the inter-sectorial Civil Protection Commission in improving Disaster and Risk Management at all levels.

SITUATION OVERVIEW: In 2015, 10.2 million people (including OBJECTIVES AND TARGETS: The project will reach out to 755,930 nearly 60 per cent children) living in more than 400 rural districts were affected by El Niño compounded drought. The local residents in Cunene, Huila and Namibe provinces to: 1) increase coping capacities of vulnerable residents through standing at 0.4 million and 1.7 million respectively. Over 400,000 livestock died, and over 2 million have no safe drinking water. The DRM, information management, early warning systems and preparedness; and 3) promoting climate-resilient development below average harvests and crop failures led to very low market supply, resulting in skyrocketing food prices. In December 2015, and enhancing adaptive capacity to withstand disaster risks. BUDGET: As at 1 September, the funding gap remains at the country launched the 2016 Humanitarian Requirements Document calling for US\$1.4bn to support 10.2 million people in US\$9,600,000 (Total funding US\$ 19,000,000). 2016, over and above the 7.9 million people who will be supported through the government led Productive Safety Net Programme.

BURUNDI

SITUATION OVERVIEW: As one of the poorest country in the world, **OBJECTIVES AND TARGETS:** The goal of this Programme is to bridge the gap between relief, recovery and development whilst ensuring Burundi is extremely vulnerable to the damage caused by El Niño. efficient use of resources for communities to successfully recover In 2015/2016, at least 40 per cent of the total population of the from the current El Niño and build resilience to country, have been negatively impacted by an overall economic loss of more than US\$ 40 million. As a direct result of El Niño, 2108 extreme climatic shocks and stresses, including people died, over 1000 families were displaced, 30 hectares of highly expected La Niña. 1 million beneficiaries arable land have suffered damage, 300,000 students interrupted are targeted over two years' period. their studies, and 1562 cases of malnutrition were recorded. **BUDGET:** US\$ 10,000,000

OBJECTIVES AND TARGETS: The project will build resilience of communities through adaptation initiatives, reaching out to communities in 3 provinces with at least 4,000 people (of which 60 per cent are women): 1) building community resilience to climate variability through enhanced early warning and climate change information systems; 2) improving institutional and



community capacity; and 3) engaging in early recovery action, through livelihood activities and green employment.

BUDGET: US\$ 1,500,000

ETHIOPIA



KENYA

SITUATION OVERVIEW: The 2015-16 El Niño resulted in 25-50 per cent of normal rainfalls in the pastoral and marginal agricultural areas during rainy season, which significantly reduced food harvest and pasture regeneration. With currently estimated 75 per cent probability of La Niña, further deterioration of crop and livestock production is forecasted, which is likely to further push the marginalized farmers and pastoralist into humanitarian crisis situation.

OBJECTIVES AND TARGETS: Aligned with the National Government's El Niño/La Niña contingency plan, UNDP will support to strengthen the capacities of 24 County Governments. and improve access to disaster resilient livelihoods and infrastructure to protect 500,000 vulnerable people from sliding further into humanitarian crisis situation. The project will also contribute to build long-term resilience through climate resilient infrastructure, risk transfer (crop insurance) and strengthening of county-level strategies for DRM.

BUDGET: US\$ 5,728,400

LESOTHO

SITUATION OVERVIEW: The last drought more than halved crop production, worsening an already fragile situation where about 25 per cent of Lesotho's population has faced food crises each year since 2005. Poor and very poor households are seeing a 44 per cent decline in their income, already 31 per RWANDA cent below the survival threshold. 679,437 people are at risk in absence of safety nets. Water shortages forced the cancellation of basic services at community health facilities. In April 2016, the UN started supporting the Government to develop a resilience framework to set the country on a path to sustainable and durable

OBJECTIVES AND TARGETS: The project will support: 1) the restoration of productive assets for 286.496 beneficiaries identified in the three most affected districts; and 3) improving national capacities to implement a Multi-Hazards Contingency Plan to mitigate the impact of future disasters. BUDGET: US\$ 2,938,000

MADAGASCAR

SITUATION OVERVIEW: The cumulative effect of a two-year mechanisms, worsening an already acute food and nutritional insecurity situation. 80 per cent of the population in the most affected districts will continue facing food insecurity throughout 2017 harvest, with 665,000 people (333,752 women and girls) in need of emergency assistance. Only 26 per cent of the population Situation Overview: El Niño has affected different sub-regions can obtain water from protected sources.

districts through early warning mechanisms; 2) restore resilient production system; and 3) institutionalize DRR and resilience building. BUDGET: US\$ 3,404,348

ΜΔΙΔ\Λ/Ι

SITUATION OVERVIEW: As the most drought affected country in Southern Africa, Malawi is undergoing severe crisis following two successive shocks - floods in 2015, followed by extensive El Niño-related drought in 2016 affecting 24 out of 28 districts. The PDNA conducted by the government in partnership with UNDP and the World Bank estimates damages at US\$ 365.9 million and recovery interventions at US\$ 500.2 million. More than 7.6 million people are likely to be food insecure through the 2017 harvest, with 6.5 million people in need of food or cash assistance during this period. The Government of Malawi prioritizes early recovery from the impacts of El Niño as well as early warning and preparedness in anticipation of La Niña.

OBJECTIVES AND TARGETS: The project will support: 1] preparedness capacity for La Niña through scaling up sustainable income generating opportunities; 2] strengthening of early warning systems; 3) institutionalization of emergency operation centres for preparedness and response; and 4) strengthening DRR and recovery capacity at the national and district level. BUDGET: US\$ 3.608.000

SITUATION OVERVIEW: The 2015-16 El Niño caused catastrophic disasters and its effects had been unprecedented. In May 2016. landslides and flood caused massive losses in 3 districts. damaging 2,317 houses and washing away about 3,500 hectares of near-harvest crops. In the Eastern Province, four Districts were hit by drought resulting in crop failures and lack of food supply. 19,586 households faced with food and water shortages.

OBJECTIVES AND TARGETS: The project will provide emergency water supply, support resilient recovery of agriculture and livelihoods, and establish sustainable water collection/ production system in drought-affected Districts. To support the recovery of the landslides/floods-affected population, the project will construct 100 houses for female-headed households (IDP), and provide livelihoods recovery support to 600 most vulnerable households. The project will also intervene to enhance preparedness to La Niña,



including to improve national early warning systems and National La Niña preparedness/ contingency plans and resilient recovery planning at community levels. **BUDGET:** US\$ 3,402,432

SOMALIA

of Somalia variously, but severely. In the second guarter of 2016, OBJECTIVES AND TARGETS: UNDP is supporting the Puntland and Somaliland were hit by a devastating drought Government to finalize a comprehensive early recovery and which impacted lives and livelihoods of over a million people, resilience building plan targeting the most affected districts. This compounding an already challenging situation. Other areas proposal is well aligned to the Government's plan to: 1) protect have experienced higher than normal rainfall, resulting in flash lives and livelihoods of affected people in the most affected seven floods and riverine flooding in south-central and north-eastern



Somalia. The El Niño related droughts and flooding disasters **OBJECTIVES AND TARGETS:** The project's strategy for reducing vulnerability to climate change is to climate proof current have further intensified an already complex situation for affected Somali communities which are yet grappling with the effects productive activities through enhancing the ability of at of a chronic conflict, the effects of climate change related least 3,000 farming and pastoral households in Gedarif and water and food scarcity, displacement and destitution. As a Kassala state to cope with increasing climate variability and result of water and food scarcity, malnutrition is widespread future climate change. This will contribute towards the where newborns, young children and lactating mothers suffer reduction of the proportion of populations classified as the most severe consequences. vulnerable to climate change impacts on food security. **OBJECTIVES AND TARGETS:** UNDP Somalia will support The project focuses on three key areas identified in Sudan an effective recovery intervention to assist the herders, as urgent and immediate priorities and which are intimately farmers, families and local governments to restore the lost assets, livelihoods, income and infrastructure to prevent management; ii) rain fed agricultural production and iii) further escalation of violence, poverty, misery and political rangeland productivity.

instability lingering on the horizon. Given the periodic recurrence of El Niño/La Niña conditions the project will not only target affected communities to recover their lost livelihoods, but also SWAZILAND communities and authorities in building resilience to future events, through improving climate prediction, early warning, disaster preparedness, water resources management and strengthening of sources of livelihoods, including **BUDGET:** US\$ 2,401,000

SUDAN

SITUATION OVERVIEW: In Sudan, approximately 70 per cent of the rural population rely on traditional rain fed agriculture a National Emergency Response Mitigation and Adaptation for their food and income. With El Niño, the 2015-16 harvest is Plan targeting the two poorest and driest regions mobilising below average. Poor harvests lead to limited agricultural labor 27 per cent of the requirements. opportunities and below average wage rates. Food insecurity **OBJECTIVES AND TARGETS:** The project will increase is increased where households have less food from their own harvest and less income from sales of cash crops and agricultural labour, with reduced purchasing power due to increased basic Shiselweni and Lubombo regions, focusing on adaptive and commodity prices. Due to El Niño, more than 4.4 million in Sudan sustainable use and management of rangelands and community are facing acute food insecurity, including more than 100,000 people preparedness. The establishment of rural in emergency. Heavy rains and floodings since early June have community early warning system and response affected over 122,000 people, 29 people dead and destroyed over ••• mechanisms will be also supported. **BUDGET:** US\$ 2,700,000 13,000 houses in many parts of Sudan.

BUDGET: US\$ 2,756,268

Situation overview: In 2016, country maize production has decreased by about 64 per cent. 28 per cent of the population is in urgent need of humanitarian support. 75,662 cattle are estimated to have died, 200,000 people are unable to access to safe water, and health facilities have temporarily closed due to lack of water. This causes significant problems to Swaziland which has the highest prevalence of HIV/AIDS in the world compounded by 80 per cent TB co-infections. In February, the Government declared a State of Emergency and developed



Effects have generally comprised of extended dry spells or drought leading to water shortages, prolonged lean seasons and food shortages.

UGANDA

Situation Overview: El Niño food security crisis in the Karamoja SITUATION OVERVIEW: 30 per cent of the population require region and neighbouring districts represents the worst in history. An estimated 500,000 people (about 50 per cent of the total population of the region) suffered from severe food insecurity.

7 I M B A B W F

urgent assistance, mainly in the South. Food insecurity will peak to approximately 4.1 million people during the lean season. In Buhera, food insecurity is expected to raise up to 70 per cent during January-March 2017. The planted area



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Asia-Pacific

— — he impacts of El Niño began in mid-2015 and subsequently affected at least 11 countries in the region. Effects have generally comprised of extended dry spells or drought leading to water shortages, prolonged lean seasons and food shortages. In the Pacific island countries and territories, the recent event fueled powerful cyclones. With a 50 per cent chance of La Niña, there is an increased risk of typhoons and cyclones in some countries. In response, UNDP established a support hub to prepare a regional risk profile study with national/sub national level disaggregation, to develop a composite methodology for societal impact assessment, and to enhance regional mechanisms for preparedness and immediate response.



BHUTAN

SITUATION OVERVIEW: Since mid-July 2016, torrential rains have caused flooding and landslides impacting 18 of Bhutan's 20 districts, with Sarpang, Chhukha and Samtse hit the worst. Critical infrastructure including roads and bridges and agricultural land have been significantly damaged.

OBJECTIVES AND TARGETS: UNDP's project will: 1) develop a post flood recovery strategy based on a detailed impact assessment; 2) strengthen district disaster management preparedness and early warning; and 3) strengthen community preparedness, early warning and livelihoods recovery in the most affected districts. BUDGET: US\$ 650,000

INDONESIA

OBJECTIVES AND TARGETS: The project aims to enhance Situation Overview: The El Niño caused severe drought in Indonesia, especially in areas where an estimated 3 million Vanuatu and Tonga by: 1) building capacities of Agriculture Indonesians live below the poverty line, of which 1.2 million rely on rainfall for their food production and livelihoods²; formalized network and trainings on food security and risk making the country even more vulnerable to climate variability reduction; 2) implementing Community-based El Niño and change Agriculture Recovery Plans; and 3) enhancing knowledge and **OBJECTIVES AND TARGETS:** Building on the results of lessons learnt on building agricultural resilience through

UNDP Indonesia's Integrated Climate Risk Management Programme, UNDP will: 1) develop and establish a dynamic (web-/mobile-based/offline) information system on extreme climate events associated with the incidences of El Niño/La Niña as a basis of an early warning system; 2) develop climate

2. Scenario of El Niño and La Niña Impacts on Indonesia, UN and ACAPS

facilitate mainstreaming of risk management initiatives for crop production and water availability at local levels; and 3] formulate community risk management and adaptive strategies based on an analysis of El Niño/La Niña through risk information and assessment.

BUDGET: US\$ 2,250,342

PACIFIC COUNTRIES

Situation Overview: Due to the El Niño, the dry conditions experienced across the Pacific have had severe impacts for agriculture and food security. The drought further exacerbated the impacts of Tropical Cyclones Pam (2015) and Winston (2016) Islands and Tonga, are the worst affected.



insurance, market access, among others.

BUDGET: The funds required to implement the project are US\$1,500,000 for the four Pacific countries.