



ФОРУМ
ПО УСТОЙЧИВОМУ
РАЗВИТИЮ

Committee №6

The Paris agreement in the framework of limited cooperation



Expert's report

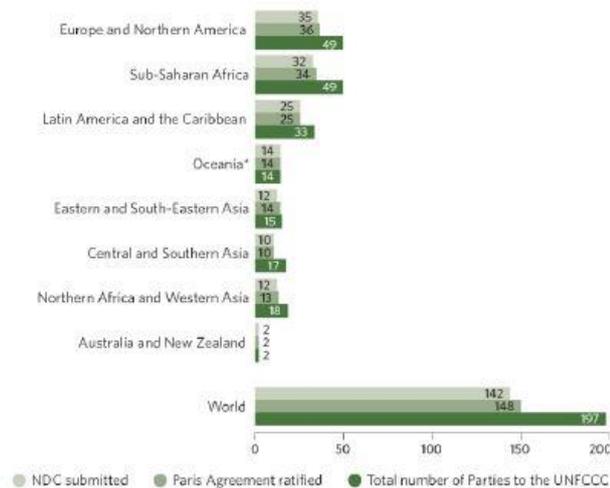
Expert's report

Climate change is already having a profound and alarming impact worldwide. Global temperatures continued to increase in 2016, setting a new record of about 1.1 degrees Celsius above the pre-industrial period. The extent of global sea ice fell to 4.14 million square kilometres in 2016, the second lowest on record. Atmospheric CO2 levels reached 400 parts per million. Drought conditions predominated across much of the globe, influenced by the El Nino phenomenon. In addition to rising sea levels and global temperatures, extreme weather events are becoming more common and natural habitats such as coral reefs are declining. These changes affect people

everywhere, but disproportionately harm the poorest and the most vulnerable. Concerted action is urgently needed to stem climate change and strengthen resilience to pervasive and ever-increasing climate-related hazards.



Number of Parties that have ratified the Paris Agreement, number of Parties that have submitted NDCs and total number of Parties to the UNFCCC, June 2017



Countries' commitment to taking climate action is gaining momentum, as indicated by the early entry into force of the Paris Agreement

The landmark Paris Agreement brings nations together to strengthen the response to climate change. It aims to keep the global temperature rise this century to well below 2 degrees Celsius above pre-industrial levels and as close as possible to 1.5 degrees, while building countries' resilience to the adverse effects of climate change. The Agreement entered into force on 4 November 2016, marking a shift in focus towards implementation. It also signals the commitment of nations to take action for the climate and sustainable development, translating the goals of the Paris Agreement into actionable strategies and shifting global financial flows onto low-carbon, climate-resilient pathways. As of 7 June 2017, 148 parties had ratified the Paris Agreement. In parallel with the Agreement,

a push to develop and implement initiatives to enhance financial flows, technologies and capacity-building efforts to support developing and most vulnerable countries is underway.

Parties to the Paris Agreement are expected to prepare, communicate and maintain successive nationally determined contributions (NDCs). NDCs highlight climate-related targets, policies and actions planned in response to climate change. Countries' NDCs relayed so far reveal linkages across all SDGs. They outline (UNFCCC).

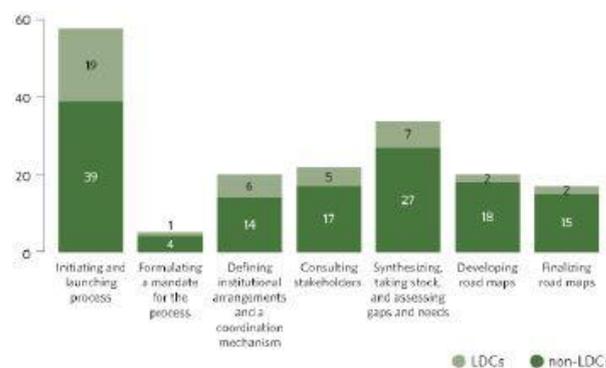
Countries are preparing and implementing national plans to adapt to climate change and enhance resilience

The national adaptation plan (NAP) process is designed to help developing countries identify their medium- and long-term needs for adaptation to the effects of climate change, and to formulate and implement strategies and programmes to address those needs. It is a continuous, progressive and iterative process with a country-driven, gender-sensitive, participatory and fully transparent approach. Implementation helps countries reduce their vulnerability to the impacts of climate change by building adaptive capacity and resilience, and by integrating climate change adaptation into development planning processes and strategies. As of 7 June 2017, seven countries had completed and submitted the first iteration of their NAP; the process in many other countries is under way.

development approaches and actions aimed at lowering greenhouse gas emissions and building climate resilience. The NDCs show that governments are integrating climate action into socio-economic development strategies, since both are integral to sustainable development. As of 7 June 2017, 142 Parties (141 countries plus the European Commission) had communicated their first NDCs to the United Nations Framework Convention on Climate Change Secretariat

Progress is expected to accelerate with support from the Green Climate Fund, which is mandated to provide expedited support to LDCs and other developing countries in the formulation and implementation of NAPs.

Number of developing countries that have undertaken specific measures to lay the groundwork for and address gaps in formulating and implementing NAPs, 2017



Note: The seven measures listed in the chart correspond to the first measures included in Element A of the process to formulate and implement NAPs. Subsequent elements include preparatory elements (Element B), implementation strategies (Element C), and reporting, monitoring and review (Element D). "Non-LDCs" refers to developing country Parties that are not least developed countries.

Disaster risk reduction has the potential to reduce the rising toll of human lives from smaller-scale events

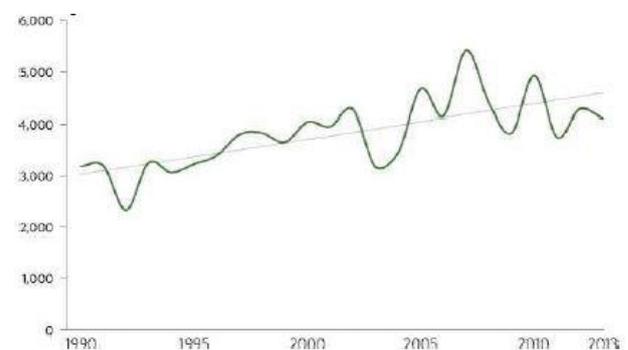
Between 1990 and 2015, more than 1.6 million people died in internationally reported natural hazards, and the trend is moving upward. Since mortality is often concentrated in very intensive disasters, it is difficult to perceive trends over relatively short periods of time. However, data on smaller-scale disasters show a statistically significant trend towards increasing mortality in events with fewer than 100 deaths. A similar study taking into consideration population growth also showed an upward trend. Disaster mortality reflects not only exposure to hazards, but also a confluence of other vulnerability factors, such as poor urban management, environmental degradation, lack of disaster preparedness, and poverty and inequality. Moreover, these underlying risk factors are

Disaster risks are magnified by poverty, inequality, environmental degradation and poor urban planning

Reducing risks associated with natural hazards requires a comprehensive approach that prevents new risk, minimizes existing risk, and strengthens economic, social, health and environmental resilience. Over the last decade, countries have made progress in managing the worst impacts of disasters, mainly by developing institutions and policies for disaster risk reduction and strengthening capacity for disaster

preparedness, response and early warning. That said, progress has been limited in tackling the underlying drivers of disaster risk-poverty, poor urban planning and land use, weak environmental and resource management, and climate change. Countries have thus begun implementing national and local disaster risk reduction strategies that also address these risk factors. Of 96 countries that reported data, all used environmental impact assessments as a mechanism to address such factors. However, only 51 countries used payment

Total number of deaths from natural hazards (geological and hydrometeorological events) resulting in fewer than 100 deaths, 1990-2013



Note: Geological events include earthquakes, mass movement (dry) and volcanic activity. Hydrometeorological events include floods, storms, landslides, extreme temperatures, drought and wildfires.

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for ecosystem services as a mechanism, which is known to promote better land management and the protection of ecological services.

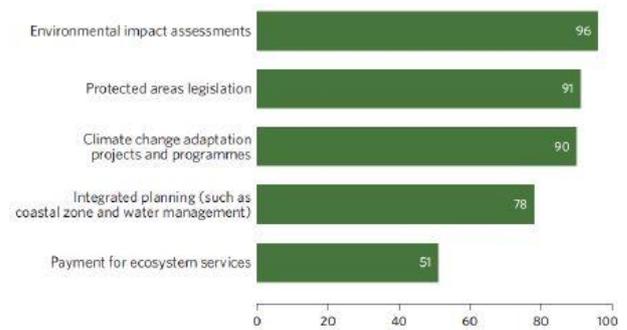
Number of countries with mechanisms for reducing underlying disaster risk factors, 2014-2015

Planetary warming continued in 2016, setting a record of about 1.1 degrees Celsius above the pre-industrial period. The extent of global sea ice fell to 4.14 million square kilometres in 2016, the second lowest on record. Mitigating climate change and its impacts will require building on the momentum achieved by the Paris Agreement on Climate Change. Stronger efforts are also needed to build resilience and limit climate-related hazards and natural disasters.

► The Paris Agreement entered into force on 4 November 2016, marking a shift in focus towards implementation of action for the climate and sustainable development.

► As of 7 June 2017, 148 Parties had ratified the Paris Agreement; of these, 142 Parties (141 countries and the European Commission) had communicated their first nationally determined contributions to the United Nations Framework Convention on Climate Change Secretariat.

► The number of deaths attributed to natural hazards continues to rise, despite progress in implementing disaster risk reduction strategies. From 1990 to 2015,



Note: Based on data reported by 96 countries.

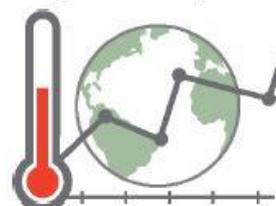
more than 1.6 million people died in internationally reported natural hazards.

► Many countries have begun implementing national and local disaster risk reduction strategies. In 2014-2015, most reporting countries indicated that environmental impact assessments, legislation on protected areas, climate change adaptation projects and programmes, and integrated planning played a major role in reducing underlying risk factors.



Global sea ice fell in 2016 to its second lowest extent on record

Record was set in 2016 for warming at 1.1 degrees Celsius above pre-industrial period



Useful references

UN Docs:

- PARIS AGREEMENT
https://unfccc.int/files/essential_background/convention/application/pdf/english_paris_agreement.pdf
- UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE
<https://unfccc.int/resource/docs/convkp/conveng.pdf>
- ADOPTION OF THE PARIS AGREEMENT
<https://unfccc.int/resource/docs/2015/cop21/eng/l09r01.pdf>
- THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT
<https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf>
- CLIMATE CHANGE: IMPACTS, VULNERABILITIES AND ADAPTATION IN DEVELOPING COUNTRIES
<https://unfccc.int/resource/docs/publications/impacts.pdf>
- CLIMATE CHANGE EDUCATION FOR SUSTAINABLE DEVELOPMENT
<http://unesdoc.unesco.org/images/0019/001901/190101E.pdf>
- FRAMEWORK CONVENTION ON CLIMATE CHANGE COP22
<http://unfccc.int/resource/docs/2016/cop22/eng/10.pdf>

NBI!

- THE PARIS AGREEMENT AND BEYOND: INTERNATIONAL CLIMATE CHANGE POLICY POST-2020
https://www.belfercenter.org/sites/default/files/legacy/files/2016-10_paris-agreement-beyond_v4.pdf
- OECD. WATER AND CLIMATE CHANGE ADAPTATION
http://www.keepeek.com/Digital-Asset-Management/oecd/environment/water-and-climate-change-adaptation_9789264200449-en#.WfZFhWi0M2w
- ASEAN. CLIMATE CHANGE AND THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS
<https://www.asef.org/images/stories/publications/ebooks/asef-handbook-climate-change-sustainable-development-goals.pdf>
- WWC. PERSPECTIVES ON WATER AND CLIMATE CHANGE ADAPTATION
http://www.worldwatercouncil.org/fileadmin/wwc/Library/Publications_and_reports/0_Introduction_Summaries_and_Key_Messages.pdf

CASE STUDIES AND POLICIES:

- AFRICAN REGIONAL IMPLEMENTATION REVIEW FOR THE 14TH SESSION OF THE COMMISSION ON SUSTAINABLE DEVELOPMENT (CSD-14)
https://sustainabledevelopment.un.org/content/documents/ecaRIM_bp1.pdf
- AFRICA CLIMATE CHANGE POLICY: AN ADAPTATION AND DEVELOPMENT CHALLENGE IN A DANGEROUS WORLD
http://www.fao.org/fsnforum/sites/default/files/discussions/contributions/AFRICA_CLIMATE_CHANGE_POLICY-CEI_3.pdf
- CLIMATE CHANGE IN AFRICA: ADAPTATION, MITIGATION AND GOVERNANCE CHALLENGES
https://www.unicef.org/esaro/Climate_Change_in_Africa.pdf
- CHINA'S NATIONAL CLIMATE CHANGE PROGRAMME
<http://www.un.org/ga/president/61/follow-up/climatechange/China-KeyElements.pdf>
- CLIMATE CHANGE PERSPECTIVES FROM INDIA
http://www.undp.org/content/dam/india/docs/undp_climate_change.pdf
- A SITUATION ANALYSIS OF CLIMATE CHANGE ADAPTATION INITIATIVES IN BANGLADESH
<https://asiafoundation.org/resources/pdfs/SituationAnalysisofCCIinitiatives.pdf>

- SECOND NATIONAL COMMUNICATION TO THE UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE. PHILIPPINES
<http://unfccc.int/resource/docs/natc/phInc2.pdf>
- THE CLIMATE CHANGE CHALLENGE FOR EUROPEAN REGIONS
http://ec.europa.eu/regional_policy/sources/docoffic/working/regions2020/pdf/regions2020_climat.pdf
- SUSTAINABLE DEVELOPMENT IN THE EUROPEAN UNION
<http://ec.europa.eu/eurostat/documents/3217494/7745644/KS-02-16-996-EN-N.pdf>
- THE 2030 AGENDA, THE SDGS AND LATIN AMERICA AND THE CARIBBEAN: PROGRESS AND CHALLENGES
https://foroalc2030.cepal.org/2017/sites/default/files/presentations/presentacion_ppt_se_inaguracion_en.pdf
- THE IMPACT OF CLIMATE CHANGE ON THE ACHIEVEMENT OF THE POST-2015 SUSTAINABLE DEVELOPMENT GOALS (PAKISTAN, UGANDA, CARRIBEANS)
<https://cdkn.org/wp-content/uploads/2015/05/Impact-of-climate-on-SDGs-technical-report-CDKN.pdf>
- CLIMATE CHANGE IN LATIN AMERICA
http://ccsl.iccip.net/climate_change_in_latin_america_en.pdf
- THE SIGNIFICANCE OF THE US WITHDRAWAL FROM THE PARIS AGREEMENT ON CLIMATE CHANGE
<https://www.oxfordenergy.org/wpcms/wp-content/uploads/2017/06/The-Significance-of-the-US-Withdrawal-from-the-Paris-Agreement-on-Climate-Change.pdf>
- TONGA CLIMATE CHANGE POLICY
http://www.preventionweb.net/files/48404_tongaclimatechange2016.pdf
- AUSTRALIA'S SIXTH NATIONAL COMMUNICATION ON CLIMATE CHANGE A REPORT UNDER THE UNITED NATIONS
http://unfccc.int/resource/docs/natc/aus_nc6.pdf
- SOLUTIONS FOR A CHANGING CLIMATE. AFRICA
<https://www.afdb.org/fileadmin/uploads/afdb/Documents/Generic-Documents/The%20Solutions%20for%20a%20Changing%20Climate%20The%20African%20Development%20Bank%27s%20Response%20to%20Impacts%20in%20Africa.pdf>
- JAPAN IMPLEMENTING THE PARIS AGREEMENT AND SUSTAINABLE DEVELOPMENT GOALS (SDGS)
https://www.env.go.jp/earth/coop/coop/english/cai/pdf/newsletter_e_vol16.pdf
- CLIMATE CHANGE AND ARCTIC SUSTAINABLE DEVELOPMENT
<http://unesdoc.unesco.org/images/0018/001863/18634e.pdf>
- CLIMATE CHANGE AND SUSTAINABLE WATER MANAGEMENT IN CENTRAL ASIA
<https://www.adb.org/sites/default/files/publication/42416/cwa-wp-005.pdf>
- ADAPTING TO CLIMATE CHANGE IN EUROPE AND CENTRAL ASIA
<http://siteresources.worldbank.org/BULGARIAINBULGARIANEXTN/Resources/ECACCAJune2.pdf>
- CLIMATE CHANGE 2014: IMPACTS, ADAPTATION, AND VULNERABILITY (ESPECIALLY CHAPTERS 21-30)
<http://www.ipcc.ch/report/ar5/wg2/>