

Expert Forum for Producers and Users of Disaster-related Statistics 7, 8 and 10 June 2021

Session 2: Managing Health
and Climate-change-related
Hazards with Official Statistics

**Joint Regional Commissions
presentation**



UNITED NATIONS

الاستشفا
ESCWA



United Nations
Economic Commission for Africa



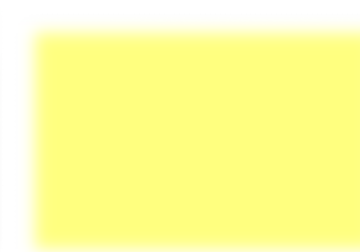
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ESCAP 75
MOVING FORWARD TOGETHER

ECA's work on Climate Change

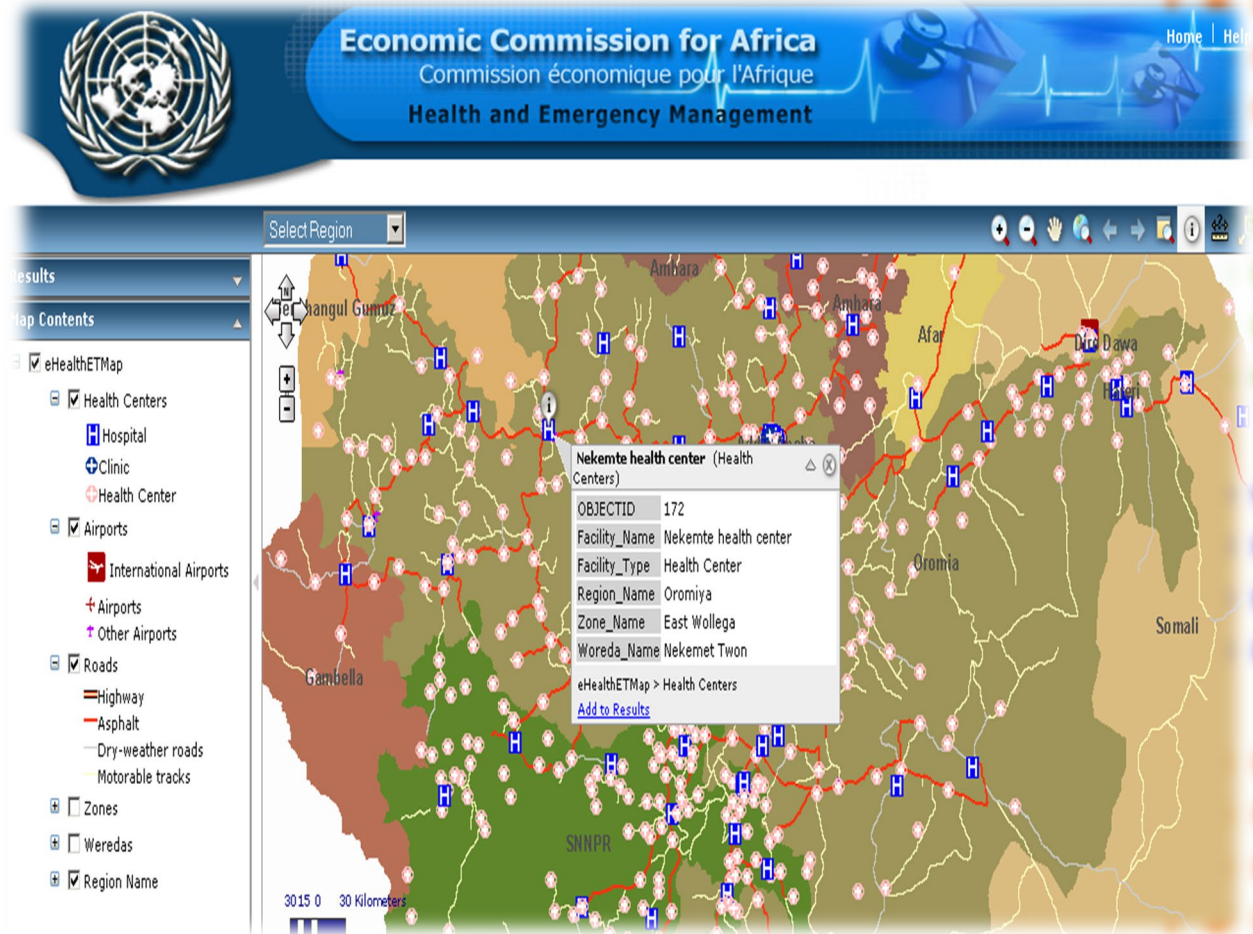
- ⦿ ECA has established the African Climate Policy Centre (ACPC), as a hub for knowledge generation on climate change in Africa.
- ⦿ The Centre implements the Climate for Development in Africa Programme (ClimDev-Africa) which is a joint initiative of the African Union Commission (AUC), the United Nations Economic Commission for Africa (ECA) and the African Development Bank (AfDB).
- ⦿ The programme aims at coordinating and strengthening the policy response to climate change, building the capacities of sub-regional and national organizations, and improving the analytical capacity, knowledge management and dissemination of information on climate change.
- ⦿ One of the focus areas of ClimDev is to overcome the lack of necessary information, analysis and options required by policy and decision-makers at all levels. ACPC has therefore set up dedicated Climate Change Activities Database to generate relevant data and information products to support evidence-based policy analysis by the discipline specialists.



ECA's Work on Health | Emergency Preparedness and Response

ECA is building a monitoring, evaluation and response management system to direct response teams to critical and vulnerable areas.

- ⦿ The system comprises GIS application, with authoritative geodatabases, to support preparedness, planning and operations for security and health emergencies.
- ⦿ The database and the associated interface aim at identifying multi-hazard or composite high-risk areas and showcase the application of vulnerability mapping to better understand human and environmental impacts.
- ⦿ It include population based surveys data, health services records (location, attributes, diseases outbreak, etc...) and infrastructures (road networks).



UNECE work to support development of better statistics for managing health- and climate change-related hazards

Task Forces and Steering Group established by the Conference of European Statisticians



- **Task Force on Measuring Hazardous Events and Disasters (since 2015).** Main outputs and ongoing work:
 - CES Recommendations on the Role of Official Statistics in Measuring Hazardous Events and disasters (published 2019)
 - Webinar “How are national statistical offices contributing to managing the COVID-19 disaster?” on 10 June 2020
 - Platform “COVID-19 and Official Statistics” (<https://statswiki.unece.org/display/COV/Home>) with 90 examples from 24 countries
 - Co-organization of this Expert Forum
 - Drafting a set of core disaster-related statistics indicators (ongoing)
 - Statistical review of hazard classification (planned)
- **Steering group and Task Forces on Climate Change-related Statistics (since 2012)** – see next slide

UNECE work on climate change-related statistics



Objective

To make official statistics more useful for climate analysis and policy and promote involvement of national statistical offices in GHG inventories

Achieved through...

Methodological work

- [CES Recommendations on CC-Related Statistics](#) (2014)
- [CES Core Set of CC-Related Statistics and Indicators](#) (2020)
- [CES Recommendations on the role of official statistics in measuring hazardous events and disasters](#) (2019)
- Starting new work on **CC adaptation** and green finance

Sharing knowledge and good practices

- Annual **Expert Fora for Producers And Users of Climate-change Related** statistics since 2012
- [2021 Expert Forum](#) from **31 August to 3 September**
- UNECE [good practices wiki](#)
- [Tools and resources](#) facilitating the implementation of recommendations

Capacity development

On environmental statistics for the SDGs in **EECCA countries** incl.:

- SDG 13
- CES Core Set of CC-Related Statistics and Indicators
- **Energy and air emissions** statistics and accounts

In 2020, EFTA/UNECE **Webinars on Climate Change-related Statistics** for EECCA countries

Led by the **CES Steering Group on CC-Related Statistics** (Canada, Italy, Kyrgyzstan, Luxembourg, Mexico, the Netherlands, Russian Federation, United Kingdom, ECLAC, EEA, Eurostat, FAO, the International Energy Agency, UNFCCC, Bennett Institute for Public Policy of the University of Cambridge and Midsummer Analytics)

ESCAP's work on Climate Change and Health



Socio-Economic Response to COVID-19
ESCAP Framework



- **Socio-Economic Response to COVID-19 : ESCAP Framework**
developed to support countries and provide policy advice and tailored capacity building activities at the regional, subregional and country levels for the immediate socio-economic response to COVID-19.
- **Economic and Social Survey of Asia and the Pacific 2021**
examines the broader risk landscape facing Asia-Pacific countries, including epidemics, natural disasters and financial crises. It finds that adverse shocks, both economic and non-economic, result in permanent economic, social and environmental losses, and advises countries to take a more comprehensive approach to building resilience against future shocks.
- **Big Data for Environment and Agricultural Statistics**
This working paper gives an overview of how geospatial information and Earth Observation data can be used to produce environment and agriculture statistics and presents specific country examples from Asia and the Pacific. It also provides examples of specific country-led efforts to use Earth Observation data for the compilation of SDG indicators.
- **COVID-19 Policy Responses Tracker in Asia-Pacific**
Dashboard containing COVID-19 related content on NSOs websites; socio-economic responses surveys to the pandemic from business and households to inform government, business community and the public.



ESCAP's work on Climate Change and Health

REPORTS and DISCUSSION PAPERS:

- **Vertical Integration of Climate Change Policies and Actions in Asia-Pacific Countries**

explores the linkages between climate change ambitions, policies, multi-level governance frameworks and vertical integration in cities in the Asia-Pacific region

- **Responding to the COVID-19 Pandemic: Leaving No Country Behind**

highlights many of the evolving socio-economic impacts of the pandemic, and reviews existing vulnerabilities that the pandemic has exposed. It focuses on the role of digitalization, digital financing and regional cooperation as key elements to building forward from COVID-19 for the SDGs

- **Are Countries in the Asia-Pacific Region Initiating “A Green Recovery?” What More Can Be Done?**

provides insights on the achievements so far as well as the potential for further achievement of a “sweet spot” for green recovery, where COVID-19 responses, climate change actions and poverty reduction can converge in the Asia-Pacific region.



- **Climate Change adaptation for Water Management in a Green Economy:**

serves as a guide in the discussions for adaptation to climate change through integrated water resources management and green growth to achieve green economy and sustainable development.

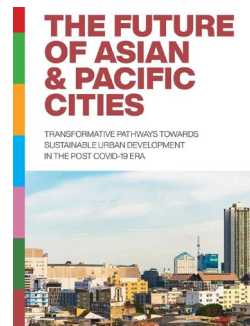
ESCAP's work on Climate Change and Health

- **The Future of Asian and Pacific Cities**

In the midst of what is an unprecedented global public health crisis, this paper adds an urban health focus and offers long-term health strategies to build back Asia-Pacific cities that are healthier, more equitable and, ultimately, stronger for all residents

- **The Asia-Pacific Plan of Action on Space Application for Sustainable Development (2018–2030)**

a regionally-coordinated, inclusive and country-needs driven blueprint that harnesses space and geospatial applications and digital innovation to support countries, specially those with special needs, to achieve the 2030 Agenda; includes 188 actions in the thematic areas of: (a) disaster risk management; (b) natural resource mgt.; c) connectivity; (d) social dev't; (e) energy and (f) climate change



MANUAL and TRAINING MATERIALS:

- **Accelerating Implementation of the Paris Agreement in Asia-Pacific: A Guide for Policymakers**

developed to support policy- and decisionmakers in understanding the need and identifying opportunities to accelerate the implementation of the Paris Agreement and to provide tools, measures, policies, actions, and case studies studies that could be applied to their national circumstances and update of their NDCs during the review process.



ESCWA's work on Climate Change and Health

- ESCWA implemented the United Nations Development Account (UNDA) project on “Developing the Capacities of the Arab Countries for Climate Change Adaptation by Applying IWRM Tools”
- Developed Training modules built upon the Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR) to assist Arab countries in developing their adaptive capacity by applying IWRM tools in five strategic sectors, namely: Agriculture, environment, health, human settlement and economic development.

Training Materials and Workshop

- The module on health was prepared by World Health Organization, Centre for Environmental Health Activities (WHO/CEHA)
- [Climate Change Adaptation in the Health Sector Using Integrated Water Resources Management Tools](#) E/ESCWA/SDPD/2016/MODULE.3
- Capacity building workshops on the Health module
[Developing the Capacities of the Health Sector for Climate Change Adaptation to Protect Health from the Climate Change Effects on Freshwater Resources 19-21 APRIL 2016 Amman, Jordan with case studies from Tunisia, Egypt, Iraq](#)
- Case Study from Egypt addressed the numerous health hazards from Climate change (Heat, Communicable Diseases, Re-emerging and emerging diseases, Occupational Vulnerability, etc..)