First meeting of WHO CC’s on Air Quality and Health

20 & 25 January 2022
Objective of the meeting

Meeting of the WHO Collaborating Centers

• Update on WHO activities

• Present the WHO collaborating centers’ work

• Discuss the gaps and opportunities for the next 2 years and synergies with the GAPH-TAG
<table>
<thead>
<tr>
<th>Time</th>
<th>Agenda Item</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>9h00</td>
<td>Opening and welcome</td>
<td>Maria Neira</td>
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<tr>
<td>9h05</td>
<td>Update on recent activities</td>
<td>WHO team</td>
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<tr>
<td>9h20</td>
<td>Presentation of the WHO Collaborating Centers</td>
<td>WHO CC’s</td>
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<tr>
<td>10h15</td>
<td>Discussion: identifying gaps and synergies</td>
<td>Sophie</td>
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<td>10h55</td>
<td>Any other business</td>
<td>Sophie</td>
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<tr>
<td>11h00</td>
<td>Closing and wrap up</td>
<td>Pier</td>
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20 January 2022 (9:00-11.00 am CET)
Update on AQH activities
WHO’s activities on air pollution and health

A snapshot - Air Quality and Health unit

- Monitoring and reporting: with Sustainable Development Goals
  - 3.9.1: Mortality from air pollution
  - 7.1.2: Clean energy access
  - 11.6.2: Air quality in cities

- Normative work: WHO Air Quality Guidelines (ambient and indoor) & their implementations

- Capacity building activities
  - AirQ+: software tool for health impact assessment of air pollution
  - Clean Household Energy Solution Toolkit tools (BAR-HAP, HOMES, etc)
  - Health sector training on air pollution and health

- Technical support to countries through synthetizing scientific evidence and development of tools to engage with other sectors

- Leadership – raising awareness activities (e.g., BreatheLife Campaign), and leverage of political support (Global Conference, Health and Energy Platform of Action, NCD agenda), international collaborations
Recent and ongoing activities (1/3)

Launch of the WHO Air Quality Guidelines (September 2021)
- Large media coverage
- Several countries have announced their intention to revise their AQS
- WHO asked to support countries with their implementation

WHO compendium on health and environment
- Comprehensive collection of available WHO and other United Nations (UN) guidance for improving health by creating healthier environments

Urban Health Initiative – Accra (October 2021)
- Final meetings in October 2021

COP 26 (November 2021)
- COP26 Health Programme commitments by over 50 countries
  https://www.who.int/initiatives/cop26-health-programme
- WHO health and climate change global survey report
  https://www.who.int/publications/i/item/9789240038509
- Research findings on estimation of health co-benefits of NDCs for Colombia and Pakistan
  https://www.who.int/publications/i/item/9789240036369
Recent and ongoing activities (2/3)

Household energy
- Launch of tools with Clean Household Energy Solutions Toolkit
  - BAR-HAP – cost benefit tool accounting for costs at individual and health system, as well as climate
  - Policy repository – 120 policies + over 30 evaluations; policies include financial, regulatory, trade, direct investment, standards, info campaigns
  - CHEST manual to be completed and piloted in country
- Estimates for specific cooking fuels now available for all countries & years until 2050

SDG updates (ongoing)
- WHO Database on air quality – to be published soon
- Updates ongoing for the year 2019, with similar methods as previous update:
  - SDG 11.6.2 : same model (DIMAQ) and updated input data (GM and satellite)
  - SDG 7.1.2 (Access to clean energy) : already published
  - SDG 3.9.1 (Mortality from air pollution) : with same 5 disease and IER function

Other relevant projects (ongoing)
- Morbidity costs from air pollution
- HRAPIE update
Recent and ongoing activities (3/3)

Health Sector Training on air pollution and health

- 19 modules
- Training manual – Training of the trainers
- 18 clinical case scenarios
Framework for technical activities on air pollution and health

WHO

Scientific Advisory Group (SAG)

UN partners

WHO Collaborating Centers

GAPH-Technical Advisory Group (TAG)

Institutions or agencies with MoU*

* Those institutions with which WHO has a Memorandum of Understanding on the topic (e.g. US EPA, IHME etc.)
GAPH-TAG Priority areas of work

- Climate change and air pollution
- Exposure assessment (data, methodology)
- Methodologies for BoD source attribution*
- Health outcomes and exposure - response functions
- Desert dust & health

* Priority given to assess the joint effects of ambient and household air pollution and desert dust attributable BoD

- Interventions/Responses
- AQG, SDGs 7, 11
- Country support
- AQG, SDG 3.9.1
- Country support
- NCD agenda 5x5
- UNFCC, Paris
- UN Coalition SDS, AQG
GAPH-TAG - Working arrangements

- Operate in sub-groups (Expert Working groups, EWG)
- 1 chair or 2 co-chairs per group
- Regular exchange within each EWGs (e.g. emails, calls, virtual consultations)
- Regular exchange between EWG (co-)chairs
- Ad-hoc (virtual) meetings between EWGs
- One larger GAPH-TAG meeting with broader stakeholder groups every 18 months (tbc)
GAPH-TAG Expected deliverables 1/2

Technical reports / products

- Mapping review of air pollution exposure assessment methodologies
- SDG 11 working group report
- Guidance for national burden of disease assessment of air pollution
- Review of methodologies for source-specific burden of disease
- Guidance document for estimating exposure and the health effects of desert dust
- Scoping review for the links between desert dust and health
- Framework for air pollution interventions (CBA / CEA)
- Synthesis report with criteria for assessing the effectiveness of interventions related to climate change and health
- Guidance on methodological approaches for assessments of health benefits of climate mitigation policies
Glossy Reports

- WHO/WMO report on desert dust and health (Q1 2022)
- “Best buys” for air pollution interventions (2023)
- “SDGs on air pollution - 2015-2023 : What has been achieved? (2023)

Other

- Participation to WHO webinars related to the AQG, SDG methods, health sector training material, CHEST etc
- Guidance on WHO’s approach to strengthening health considerations in climate mitigation action with respect to capacity-building and advocacy
WHO Collaborating Centres working on Air Quality and Health

- **UNK-286**
  WHO Collaborating Centre on Health in Impact Assessments
  University of Liverpool
  Since 2017

- **UNK-312**
  WHO Collaborating Centre on Climate Change, Health and Sustainable Development
  LSHTM
  Since 2021

- **DEU-72**
  WHO Collaborating Centre for Air Quality Management & Air Pollution Control
  German Environment Agency
  Since 1986

- **IND-93**
  WHO Collaborating Centre for Research and Training in Occupational and Environmental Health
  Sri Ramachandra Medical College and Research Institute
  Since 2007

- **UNK-XXX**
  WHO Collaborating Centre on Data Science, Air Quality, Climate Change and Environment
  University of Exeter (designation in progress)

- **AUS-101**
  WHO Collaborating Centre on Air Quality and Health
  Queensland University of Technology
  Since 1997

- **AUS-111**
  WHO Collaborating Centre for Children's Health and the Environment
  The University of Queensland
  Since 2013

- **MEX-18**
  WHO Collaborating Centre for Research and Training in Environmental Epidemiology
  Dirección de Salud Ambiental, Instituto Nacional de Salud Pública (INSP)
  Since 2021

- **CAN-115**
  WHO Collaborating Centre on Environmental Health
  Health Canada
  Since 2021