

WHO Collaborating Centres on Air Quality and Health



World Health
Organization

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**



Agenda

20 January 2022 (9:00-11.00 am CET)

9h00	Opening and welcome	Maria Neira
9h05	Update on recent activities	WHO team
9h20	Presentation of the WHO Collaborating Centers	WHO CC's
10h15	Discussion : identifying gaps and synergies	Sophie
10h55	Any other business	Sophie
11h00	Closing and wrap up	Pier

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 synthesizing 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

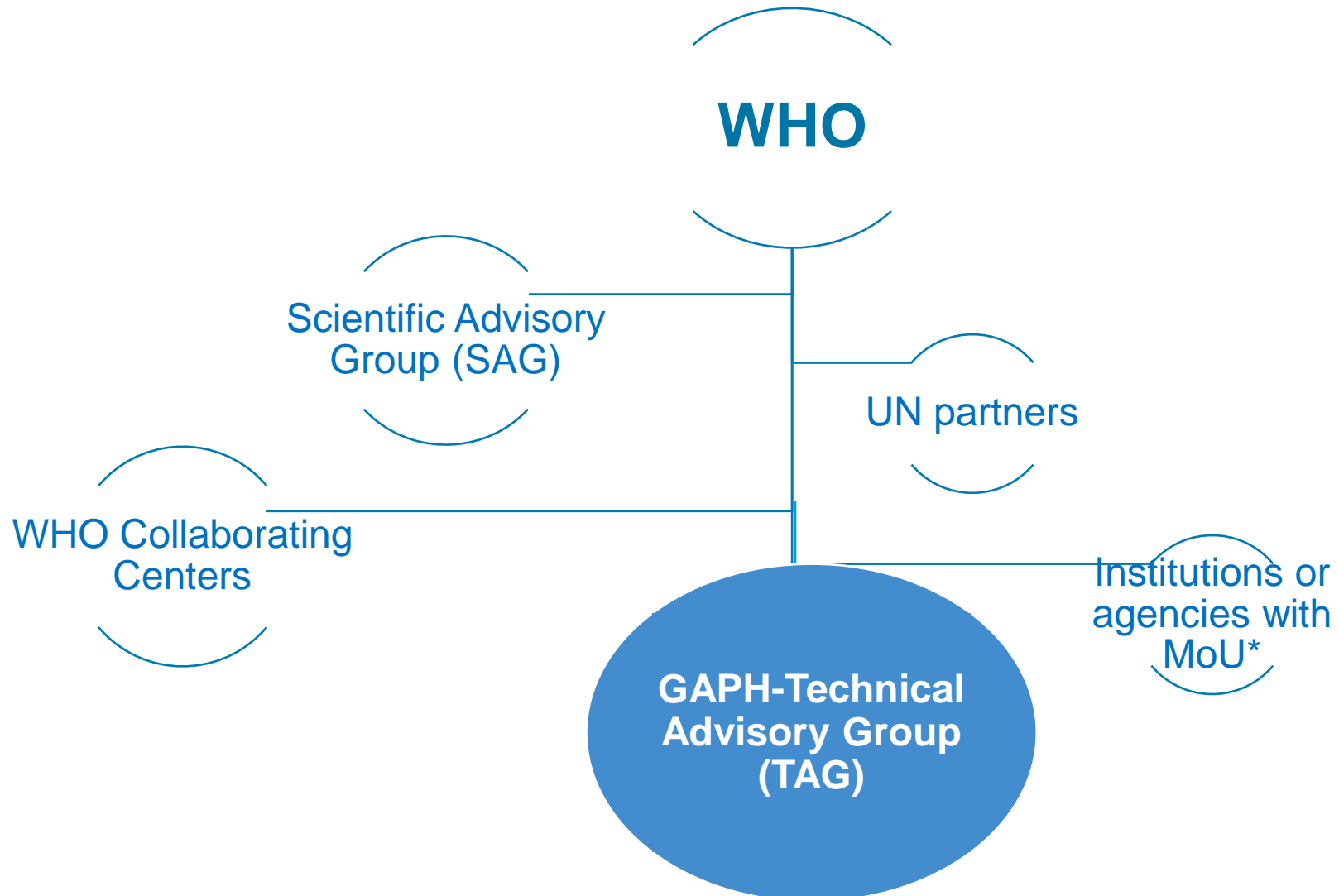
Recent and ongoing activities (3/3)



Health Sector Training on air pollution and health

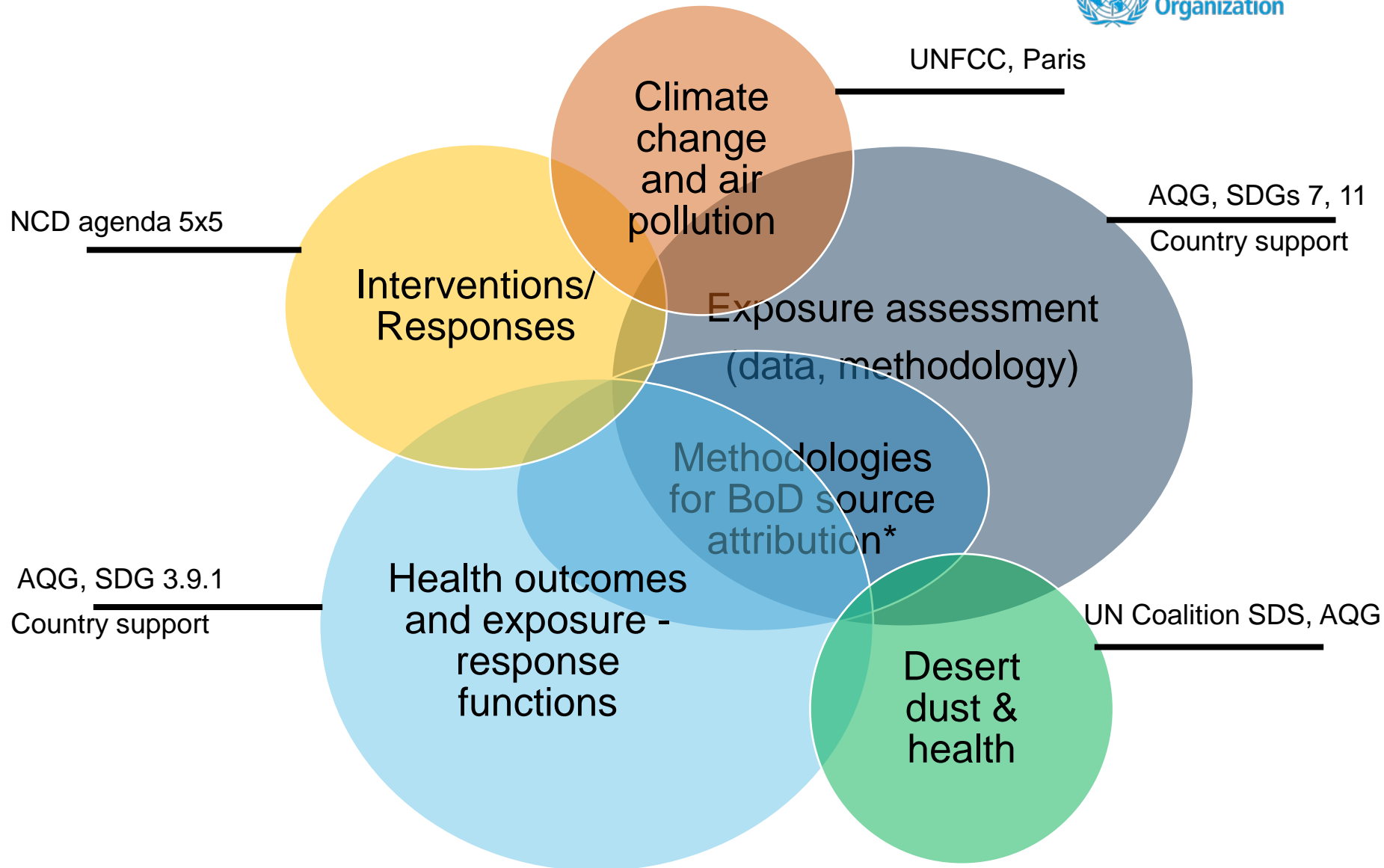
- 19 modules
- Training manual – Training of the trainers
- 18 clinical case scenarios

Framework for technical activities on air pollution and health



* 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



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

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)

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

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



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

MEX-18
WHO Collaborating Centre for Research and Training in Environmental Epidemiology
Dirección de Salud Ambiental,
Instituto Nacional de Salud Pública (INSP)
Since 1997

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

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

AUS-101
WHO Collaborating Centre on Air Quality and Health
Queensland University of Technology
Since 2011