



International Seminar
hybrid format

AIR QUALITY AND CLIMATE CHANGE STRATEGIES IN THE USE OF MOBILE CONSTRUCTION MACHINERY

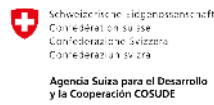
 **september 27th and 28th**
General public

 **8:30 A. M. - 4:30 P. M.**
Lima Time, Perú
lunch included

 **Peruvian Ministry of
Environment Auditorium**
or Virtual Access (outside of
Lima)

Pre-registration
<https://forms.office.com/e/BdnWgWHuWJ>

7 international guests from Europe,
United States and Latin America



AIR QUALITY AND CLIMATE CHANGE STRATEGIES IN THE USE OF MOBILE CONSTRUCTION MACHINERY

On the 27th and 28th, there will be keynote presentations and panel discussions that will promote the exchange of ideas on the following topics:

Day 27/09

Session 1. Public health and the engine emissions problem



Session 2. The Latin American construction machinery context



Session 3. Emission standards for machinery in Latin America



Session 4. Local decontamination plans of Bogota, Mexico City, Lima and Santiago

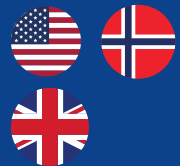


Session 5. Groundbreaking progress made by the public sector in Latin America



Day 28/09

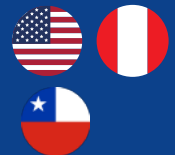
Session 6. International strategies for reducing emissions from in-use machinery



Session 7. Machinery information management (registries)



Session 8. Private sector initiatives for machinery emissions reduction



Session 9. Group workshop

AIR QUALITY AND CLIMATE CHANGE STRATEGIES IN THE USE OF MOBILE CONSTRUCTION MACHINERY

AGENDA - day 27/09

9:00 a
9:30

Opening ceremony

- Ministry of Environment (MINAM) - *tbc*
- Ministry of Transport and Communications (MTC) - *tbc*
- Swiss Agency for Development and Cooperation (SDC) - *Janine Kuriger, Head of Climate Change, DRR and Environment Division*

9:30 a
10:10

Session 1. Public health and the problem of machinery emissions

- Health and environmental impacts associated with poor air quality - *Juan José Castillo, Pan American Health Organization (PAHO)*
- The problem of machinery emissions and applied emission standards - *Santiago Morales, CALAC+, Swiss Cooperation Programme*

10:10 a
10:30

Session 2. The Latin American construction machinery context

- Cristian Peters – Editor of the Construction Latin America (CLA) magazine KHL Group, United Kingdom

10:30 a
10:50

Coffee Break (Networking)

10:50 a
11:50

Session 3. Emission standards for machinery in Latin America

- Chile: Mobile Machinery Emission Standard, Supreme Decree 39/2020
- Decontamination Plan for the Metropolitan Region of Santiago - *Nancy Manríquez, Ministry of Environment of Chile (MMA)*
- Colombia: Maximum permissible emission limits for land mobile sources, Resolution 762 of 2022 (MADS)- *Mayra Lancheros, Ministry of Environment and Sustainable Development of Colombia*
- Mexico: Draft Standard for maximum permissible limits for machinery emissions (SEMARNAT) - *Hugo Landa, Ministry of Environment and Natural Resources of Mexico*

11:50 a
12:40

Panel 1. National perspective on machinery imports in the countries of the region. Speakers from session 3 and Peru as host country:

- Import standards for new vs. used machinery
- Available fuel, standards adopted and regulated power ranges
- Regulated industries (construction, mining, agricultural, industrial machinery)

12:40 a
14:30

Lunch (included for those attending in person)

14:30 a
15:20

Session 4. Local decontamination plans of Bogota, Mexico City, Lima and Santiago

- Peru: Action Plan to Improve Air Quality in Lima and Callao (2021-2025) - *Speaker to be confirmed*
- Bogota: Strategic Plan for the Integrated Air Quality Management of Bogota 2030 - *Hugo Sáenz, District Secretariat of Environment of Bogota (SDA)*
- México: Management Program to Improve Air Quality in the Metropolitan Zone of the Valley of Mexico - *Sergio Zirath, Secretariat of the Environment of Mexico City (SEDEMA)*

15:20 a
15:55

Panel 2. Local Strategies in Context

15:55 a
16:25

Coffee Break (Networking)

16:25 a
16:45

Session 5. Groundbreaking progress made by the public sector in Latin America

- Ministry of Public Works of Chile
- Experience in implementing DPFs in their own machinery
 - National electromobility strategy and lessons learned on electric machinery from the visit to Oslo

AIR QUALITY AND CLIMATE CHANGE STRATEGIES IN THE USE OF MOBILE CONSTRUCTION MACHINERY

AGENDA - day 28/09

9:00 a
9:10

Recap of Day 1 and Introduction to international strategies for reducing emissions from in-use machinery - *Santiago Morales, CALAC+, Swiss Cooperation Programme*

9:10 a
10:30

Session 6. International strategies for reducing emissions from in-use machinery

- United Kingdom: Centre for Low Emission Construction (CLEC) - *Daniel Marsh, Director of CLEC, Imperial College London*
- Norway: 100% electric machinery in the city of Oslo - *Sofi Obrestad Halling, Oslo Climate Authority (OCA)*
- C40: Clean Construction Declaration Program - *André Aasrud – Senior Machinery Advisor*
- USA (California): Non-Road Emissions Reduction Strategy in California - *Henry Cheung California Air Resources Board (CARB)*

10:30 a
11:00

Coffee Break (Networking)

11:00 a
11:50

Panel 3. Comparing international experiences: Advantages and challenges of the measures promoted. *Speakers from session 6.*

11:50 a
12:20

Session 7. Machinery information management

- USA (California): DOORS machinery management tool - *Henry Cheung, California Air Resources Board (CARB).*
- Sample use and operation of the DOORS tool

12:30 a
14:30

Lunch *(included for those attending in person)*

14:30 a
15:00

Comments by representatives of Colombia and Chile on their machinery registries for Mexico and Peru *(Usefulness for emissions inventory calculated with CALAC+ tools)*

15:00 a
16:00

Session 8. Private sector initiatives for machinery emission reduction

- Steve Berry, Truck and Engine Manufacturers Association (US Chicago)
- Cristian Peters – Editor of the Construction Latin America (CLA) magazine
- KHLGroup, United Kingdom
- Local machinery importers (2 or 3)

16:00 a
16:40

Session 9. Group workshop

- Identifying emission reduction strategies for implementation in Latin America

16:40 a
16:55

Closing of the seminar