



U.S. EPA

**Inventory of Emissions Inventories:
New Effort to Compile Existing Information in the Border Region**

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Overview

- Existing Foundation
- Growing Interest in Understanding Emissions
- Inventory of Emissions Inventories Effort
 - Overview
 - Compiling Information
- Related Effort: Increased Data Availability
- Next Steps for Inventory of Inventories
- Questions?





Existing Foundation

- EPA and SEMARNAT, in consultation with local and regional stakeholders, have a history of cross-border collaboration to help improve air quality and public health outcomes along the Mexico-U.S. border
- EPA Regions 6 and 9 have been leading this work on behalf of EPA to build a foundation of productive partnerships and shared progress
- EPA's Office of Air Quality Planning and Standards ("OAQPS") is working to play a more active role in supporting cross-border collaboration on air quality management by building on the existing foundation
 - In this role, one of our priorities is to increase information- and data-sharing, particularly with respect to emissions



Growing Interest in Understanding Emissions

- OAQPS is developing a new focus area on improving emissions inventories in the border region
 - Understanding emissions was identified as a priority at the November 2019 JAC meeting
 - OAQPS and SEMARNAT are working together to obtain more detailed and timely national emissions estimates
- A first step in understanding regional emissions is to assess existing emission inventories
- OAQPS is gathering information on existing emissions inventories on both sides of border – an ‘inventory of emissions inventories’



Inventory of Emissions Inventories: Overview

- Project description: high-level, quick reference guide that will describe the characteristics and content of each inventory
 - Effort is focused on *how* the data is collected, but not the actual data
 - Currently examining national-scale inventories: U.S. National Emissions Inventory (US NEI), Inventario Nacional de Emisiones de Contaminantes Criterio (INEM)
- Project goal: An effective first step in the process to understanding emissions in the region, which can inform future activities
- Potential activities may include:
 - Harmonizing the content and development of different inventories
 - Identifying gaps and determining the best way to address such gaps
 - Others?



Compiling Inventory Information

Information to be gathered for each inventory includes:

- Frequency with which the inventory is updated and released
- Pollutants included
- Source categories (examples: point, area, mobile)
- Process(es) used to collect/calculate emissions data
- Main references for emissions factors used to calculate emissions
- Main sources of activity data used to calculate emissions
- If included, emission control information for source categories
- Any processes/methods to account for missing or unknown data



Related Effort: Increased Data Availability

- OAQPS has prepared EPA-model ready files that contain data provided by Mexico
 - Recognition that others, including state, local, and tribal agencies, have interest in accessing such files for modeling purposes
 - Separate effort to establish a secure way to post these files online
- Agreement in principle between EPA and SEMARNAT to develop and provide an FTP for the EPA to transfer the files to Mexico
 - INECC will host and clearly label the EPA model-ready files for access and use by others
- Next step: Discuss more concrete technical steps required to transfer and post the files



Next Steps for Inventory of Inventories?

- Continue compiling information and obtaining feedback
- Prepare draft document for review
- Finalize reference document and share findings
- Determine what additional efforts, if any, will follow

Timeframe:

Completion late summer 2020





Questions?

OAQPS Questions for the JAC:

- Are there similar efforts that have already been carried out at the state or local level?
- Any suggestions for additional information that should be gathered on existing inventories?

JAC Questions for OAQPS?



Thank you!



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