

UNECE TASKFORCE ON METHANE EMISSION REDUCTION

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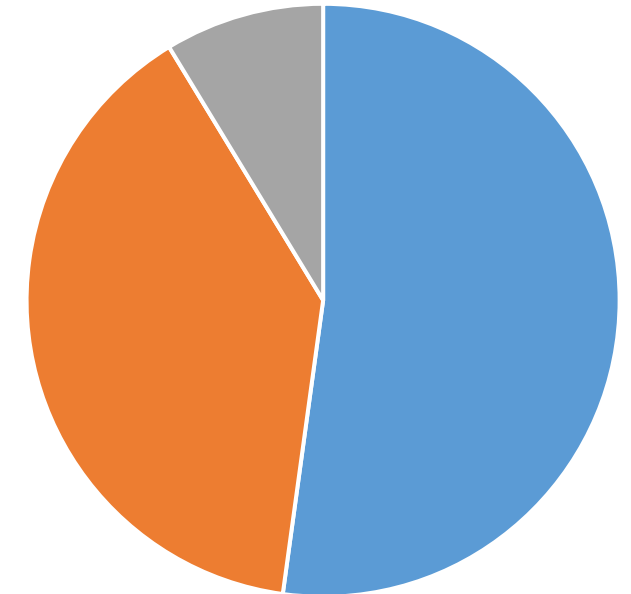
AGENDA

- Recap of the activities the Task Force is pursuing
- Activity 1: Outreach to policymakers: Developing new, short, visual/interactive resources (for non-technical audience)
 - Presentation from Ember
 - Discussion on proposed outline
 - Volunteers
 - Next steps
- Activity 2: Developing guidelines for how facility-based emissions from coal mines could be presented for the public and/or for technical audiences
 - Presentations from Instrat and Advanced Resources International (ARI)
 - Discussion on purpose of data presentation
 - Volunteers for data sharing

1ST ACTIVITY: DEVELOPING SHORT, VISUAL/INTERACTIVE RESOURCES

PROPOSED TOPICS:

- A one- or two-page document that compares the costs and scales of reductions for CMM/VAM mitigation technologies vs other GHG mitigation technologies (e.g., Direct Air Capture, CCUS, hydrogen)
- A brief overview of policy options to support CMM/AMM/VAM
- A brief overview of MRV approaches based on the Best Practice Guidance on MRV
- Summary of Best Practices Guidance on CMM Drainage
- An overview of resources available from different organizations



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- •A brief overview of policy options to support CMM/AMM/VAM
- •A brief overview of MRV approaches based on the Best Practice Guidance on MRV

DEVELOPING 1ST RESOURCE: TASKFORCE DECISIONS ON THE OUTLINE

■ Not Important ■ Somewhat Important ■ Very Important

Be 5-6 minutes read time (~700 words)

Rely primarily on visual information

Get quickly to results and impacts

Summarize the solution, how long it will take, and how quickly policymakers will ge...

Solve for multiple problems

Focus on concrete results and evidence that the solution will work

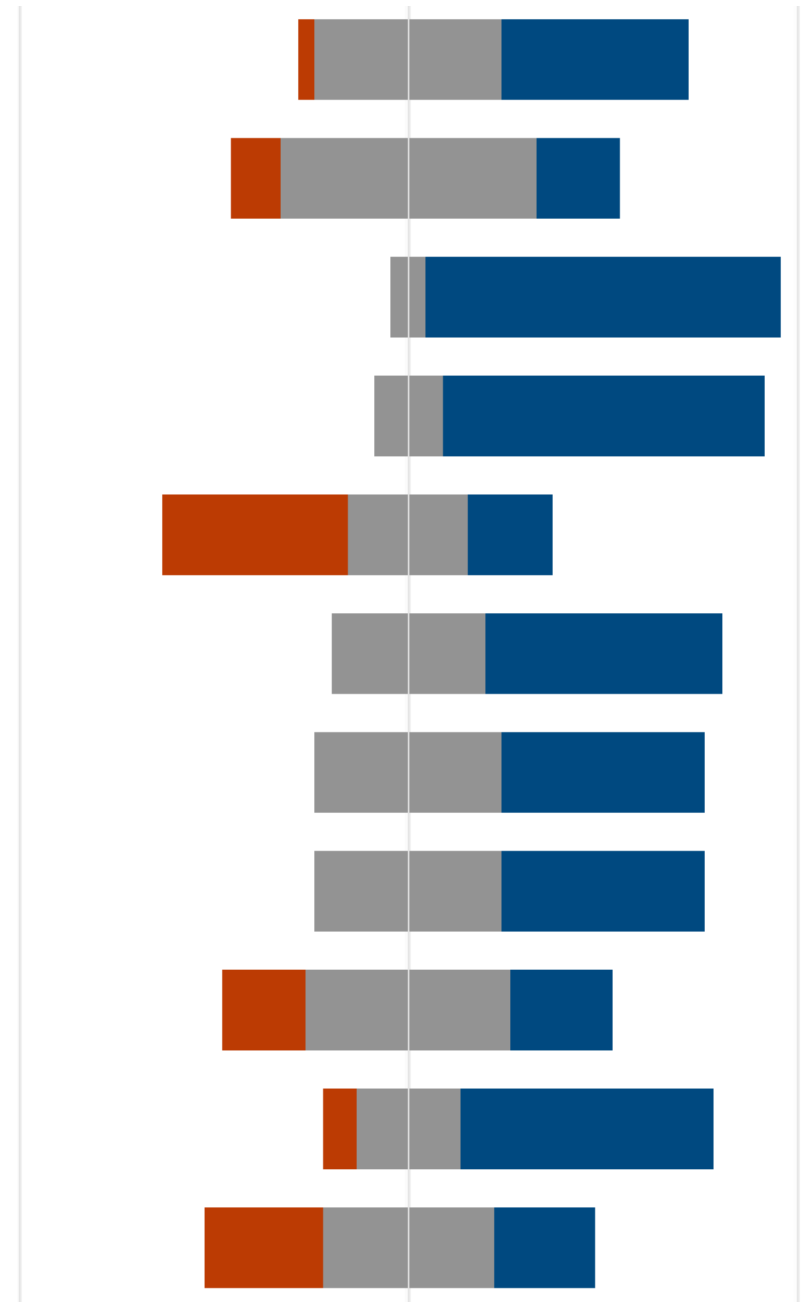
Be upfront about risks and challenges

Provide existing examples

Discuss replication

Make costs clear

Avoid factual overload and rely on stories



1ST ACTIVITY: OUTLINE FOR THE RESOURCE

One (or two) pager on comparative information on costs, benefits, gaps of implementing VAM projects in comparison with various mitigation projects: total of ~ 700 words or less

1. Introduction/summary: 100 words
2. Results & impacts – effectiveness compared to other mitigation projects: under 100 words
3. VAM solution – how; scale; evidence that solution works; time to project commission; how quickly it will produce results: 150 words
4. Costs & value: under 100 words
5. Hurdles: under 100 words
6. Example & replication potential: 100 words
7. Contact information and additional resources: under 100 words

Volunteers for each section? Timeline? (Volunteers send draft text to Michal D and Volha)

2ND ACTIVITY:

DEVELOPING GUIDELINES FOR HOW FACILITY-BASED EMISSIONS FROM COAL MINES COULD BE PRESENTED FOR THE PUBLIC AND/OR FOR TECHNICAL AUDIENCES

Next steps:

- Presentations from Instrat and Advanced Resources International (ARI). Discuss:
 - What is the purpose of sharing data on methane emissions from coal mining?
 - National inventory/policy development, project development, checks on reporting accuracy?
 - What does effective data presentation look like to you? Project developers vs the public vs policymakers.
 - Do we focus on underground coal mines only?
- Obtain data from 3 sources to examine: VAM and drainage; continuous (1 day) and/or periodic (several samples) to include conditions of measurements. Request for anonymized data for analysis (no need to know country, mine, date, owner, etc).
- Present data samples and discuss how to get from technical data to effective presentation

THANK YOU!

1ST ACTIVITY IDEA

OUTREACH TO KEY
STAKEHOLDERS
(POLICYMAKERS,
MINING COMPANIES)
TO SHARE BASIC
RESOURCES AND
CONCEPTS

Sub-activities proposed:

1. Developing a comprehensive **catalogue** of resources (e.g., excel spreadsheet) available through UNECE/GMI/Ember and others, sortable by purpose, audience, level of expertise required
2. Developing a list of **stakeholder contacts**
3. Developing **new, short, visual/interactive resources** (for non-technical audience), e.g., comparative information on costs of various mitigation projects, gaps for wide scale implementation of VAM projects
4. Compiling an **outreach package** for taskforce members
5. Creating an **outreach plan** with responsibilities assigned to members to contact identified stakeholders, focusing on engaging coal mines
6. A **study tour** for policymakers working on coal mining

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F9 Intermetiate/Some technical knowledge is required

	A	B	C	D	E	F	G
	Author/Owner/ Developer	Resource Name Name	Type of Resource	Primary Audience	Secondary Audience	Technical Knowledge Required	Resource Purpose
1	UNECE / GMI	Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines	Best practice guidance/description	Coal mining companies	Policy advisers: technical experts	Advanced/In-depth technical discussion/Longer document	To provide decision-makers with a solid base of understanding from which to direct policy and commercial decisions
2	UNECE / GMI	Best Practice Guidance for Effective Methane Drainage and Use in Coal Mines (The second edition) (December 2014)	Best practice guidance/description	Coal mining companies	Policy advisers: technical experts	Advanced/In-depth technical discussion/Longer document	To provide decision-makers with a solid base of understanding from which to direct policy and commercial decisions
3	CMOP/ EPA	Coal Mine Methane (CMM) Recovery Opportunities Map	Database of project development opportunities	Project developers	Policy advisers: technical experts	Advanced/In-depth technical discussion/Longer document	To inform of current projects and potential opportunities to develop coal mine methane (CMM) recovery and utilization projects at active U.S. coal mines
4	CMOP / EPA	CMM Cash Flow Model	Financial/economic assessment of projects	Coal mining companies	Project developers	Advanced/In-depth technical discussion/Longer document	To evaluate the potential economic viability of projects
5	CMOP / EPA	Coal Mine Methane Recovery at Active and Abandoned U.S. Coal Current Projects and Potential Opportunities (March 2020)	Methane project database	Project developers	Policymakers: national or regional	Intermetiate/Some technical knowledge is required	To profile selected gassy underground mines that have implemented CMM projects or might be suitable for project development
6	Global Methane Initiative	Global Methane Initiative International Coal Mine Methane Projects Database	Methane project database	Policymakers: national or regional	Project developers	Intermetiate/Some technical knowledge is required	To provide the comprehensive repository of data and information on all CMM recovery and use projects in operation and development around the world
7	Global Methane Initiative	Coal Mine Methane Country Profiles	Resource assessment and opportunity analysis	Project developers	Policy advisers: technical experts	Intermediate/ Policymakers'	To scope out opportunities across the world for coalmine methane (CMM) recovery projects serving

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1. Ability to connect with government and coal mines representatives (for online and in person meetings)
 2. Communication (writing) of complex, technical material in easy-to-understand format, such as for policymakers
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3. Connections/knowledge of with financiers/investors/funders (to help develop more effective communication materials and connect relevant interested parties)
 4. Experience with policymaking
 5. Experience with quantification, statistical methods, inventory, measurements of coal mine methane
 6. Language translation
 7. Operational experience/data (e.g., for analysis)
 8. Relevant contacts in the government and coal mines that the group can reach out to
 9. Visualization skills (graphics, charts, technical drawings)

SKILLS WITHIN THE TASK FORCE

