

## Status of implementation status of the recommendations

## Review of the case studies of the application of best practices guidance for coal mine methane management (Dec 2017)

## Progress report as at 31 December 2021

#	Recommendation	Management response	Responsibility	Target Date of implementation/comments date/deadline
1	Strategically, the Sustainable	GoE on CMM organized its 12th annual	GoE and	Implemented in December 2018
	Energy Division should	session in October 2017, which gathered	the Energy	
	continue using the mixed	technical experts, as well as	Industry	Following its established and well-proven pattern of activity, which
	technical-political approach:	representatives of the Governments,	Section	reflects the Group's inclusiveness and all-encompassing approach, in
	the technical level brings	relevant international organizations (ILO,		2018 the GoE on CMM continued to engage with a broad range of
	together state-of-the-art	International Energy Agency, European		stakeholders from both the public and private sector. It organized:
	knowledge, while the	Commission), private sector, civil society		A one-day seminar (in cooperation with the Polish International
	political dialogue can	(NGOs) and academia. The meeting		Centre of Excellence (ICE-CMM)) titled Coal Mine Methane as a
	stimulate the politics in the	followed the long-established pattern of		Valuable Energy Source (28 February 2018, Cracow, Poland). The event
	UNECE member States to	being a forum where CMM-related		was held within the framework of the School of Underground Mining
	intensify the adoption of the	problems are discussed by all		hosted by the Polish Academy of Science and gathered together
	best practices in coal mine	stakeholders.		Polish and international practitioners, private enterprises operating in
	industry. For the Division,			the sector, regulators, and academicians, allowing them to discuss
	the Group of Experts on Coal	CSE approved the extension of the Group's		various aspects of the application of the Best Practices developed and
	Mine Methane (GoE on CMM)	mandate and workplan for 2018-2019, thus		promoted by the GoE on CMM.
	brings tangible results and	providing a basis for continuation of GoE		A half-day seminar (in cooperation with the Global Methane
	an added value,	on CMM's activities in accordance to the		Initiative (GMI)) on Best Practices in Coal Mine Methane Capture and
	strengthening the position of	previously established mode of operation.		Utilization (16 April 2018, Toronto, Canada). The event was held within
	the Secretariat. This			the framework of the Global Methane Forum and gathered together
	recommendation will play an	SED will continue its outreach to all		representatives from the private sector, decision-makers, and
	even stronger role in the	stakeholders, engaging with the		academicians from around the world, allowing them to discuss various
	context of SDGs. It is also	Governments, relevant international		aspects of the application of the Best Practices developed and
	likely to gain importance as	organizations, private sector, civil society		promoted by the GoE on CMM.
	the biggest coal extracting	actors, and representatives of academia.		A technical session (in cooperation with ICE-CMM in Poland)
	countries become	Below are listed examples of recent and		titled Pre-mining methane capture from coal deposits in the context of
	increasingly open and	future engagements with relevant		environmental protection and diversification of gas sources for
	interested in adopting the	stakeholders indicating GoE on CMM's		Poland that was delivered within the framework of the Gazterm



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	best standards in safety and	strong attachment to inclusiveness and all-			d 6-9 May 2018, Międzyzdroje, Poland. The event
	environmental protection.	encompassing approach:		provided a platfo	orm for exchange and dialogue between regulators and
		<ul> <li>New grant for continuation of the</li> </ul>		private sector from	om Poland and various other UNECE member States,
		extra-budgetary project provided by the		such as USA, R	ussia, and Ukraine, allowing them to discuss various
		United States Environmental Protection		•	pplication of the Best Practices developed and
		Energy (US EPA) was received.		promoted by the	e GoE on CMM.
		<ul> <li>The secretariat engaged with the</li> </ul>			ay technical session on CMM (organized jointly with
		European Commission (EC) exploring		*	ing Coal Mine Methane into an Asset: Implementing
		opportunities for cooperation. A special			and Policies. The event was held within the framework
		attention was given to EC's Coal Regions			d Mining Congress on 20 June in Astana, Kazakhstan.
		in Transition Platform, which is built on		•	ic and private sector stakeholders from Central Asia,
		similar premises as a new SED's cross-			States, China, India, Western and Eastern Europe, as
		cutting project on Modernisation of the			merica, allowing them to discuss various aspects of the
		Energy Sector. Both initiatives seek to			e Best Practices developed and promoted by the GoE
		achieve similar goals, but have different		on CMM.	
		geographic focus, which make them			ay <u>capacity building workshop on Best Practices in Coal</u>
		complementary rather than competitive.			Capture and Utilization (24-25 July 2018, Bogota,
		The Government of Kazakhstan		•	event (organized jointly with GMI) was targeted at
		was approached and expressed its interest		·	titioners, mine operators, regulators,
		in participating in two extra-budgetary			nual session of the GoE on CMM (24-25 September
		projects developed by SED.			Switzerland), which gathered technical experts, as well
		The European Bank for  December of December (EDDD)		•	res of Governments, relevant international
		Reconstruction and Development (EBRD)			rivate sector, civil society (NGOs) and academia.
		was approached for the purpose of			ay seminar (organized in cooperation with GMI) on
		exploring opportunities for financing of, and cooperation in implementation of the a new			n Coal Mine Methane Capture and Utilization and their kraine. The event was organized within the framework
		SED's cross-cutting project on			ational Forum on Energy for Sustainable Development
		Modernisation of the Energy Sector.			er 2018, Kyiv, Ukraine) and was targeted at Ukrainian
		Imperial College London (ICL) as		•	ine operators, regulators, and decision makers. It
		well as a private sector actors specialized		•	orm for exchange of experiences and knowledge
		in business modelling were approached.			s from UNECE member States and local stakeholders.
		They expressed their interest in		•	vent at COP24 (10 December 2018, Katowice Poland)
		participating in a new SEDs cross-cutting			nal and Unconventional Gas as a Destination Fuel for



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		project on Modernisation of the Energy Sector.  The Governments of Russian Federation and Ukraine were approached regarding establishment of the new International Centres of Excellence on CMM in these countries.  Negotiations with Governments of Turkey, Georgia and Colombia were undertaken following their requests to organize demand-driven capacity building		the Green Economy. The event organized jointly with ICE-CMM Poland and the Polish Oil and Gas Company (PGNiG) featured a panel discussion on the future of natural gas, as seen from the perspectives of various stakeholders (public and private sector) from around the world (UNECE member States, Australia, and China).  • Three technical sessions (August, June and September) designed to train future trainers in Best Practices in CMM Capture and Use organized by ICE-CMM in China. The sessions were targeted at Chinese miners, mine operators, and local regulators. They provided a platform for exchange of experiences and knowledge-sharing between experts from UNECE member States and local stakeholders.
		workshops  GoE on CMM provided its comments to the drafts of new international standards that were to be proposed at the 5th plenary meeting of the International Organization for Standarization's (ISO) Technical Committee 263. GoE on CMM intervention led to abandonment of a standard, which could indirectly undermine the established security standards of methane management in underground coalmines. The dialogue and cooperation		Additional updates in June 2019:  A one-day seminar (organized in cooperation with the Polish International Centre of Excellence (ICE-CMM)) titled Coal Mine Methane as a Valuable Energy Source (27 February 2019, Cracow, Poland). The event took the form of a match-making event between the Colombian stakeholders, from both, public and private sectors, and the international experts and equipment producing companies, highlighting the technical and regulatory methane-related challenges faced in the country. International experts and equipment producers responded to the specific needs identified and highlighted approaches taken in other countries.
		with ISO is to be continued.  The secretariat and GoE on CMM participated in the Global Methane Forum (GMF) – a conference hosted by the Global Methane Initiative (GMI) and gathering practitioners, decision-makers, and academicians from all around the world – in Toronto in April 2018.  GoE on CMM will maintain its mode of		<ul> <li>A one-day technical Workshop on Best Practices in Coal Mine Methane Capture and Utilization (organized jointly with GMI) was held in Ankara, Turkey (10 June 2019). It was organized in cooperation with the Turkish Ministry of Energy and Natural Resources and the Turkish Coal Enterprises (TKI). It gathered local public and private sector stakeholders and familiarized them with the Best Practices developed and promoted by the GoE on CMM, as well as explained the intricacies of their effective application.</li> <li>A two-day technical Workshop on Best Practices in Coal Mine Methane Capture and Utilization (organized jointly with GMI) was held</li> </ul>



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	operation, and its inclusive and multidimensional character through engagement with stakeholders and organization of and/or participation in events gathering various audiences and approaching CMM-related matters from different angles and perspectives.	within the frame Ukrainian Coal June 2019, Dni University of Dr and Coal Indus as the Ukrainian Management, F objectives of the best practices in that facilitate de  GoE on CMM and engaging with Go sector, civil societ listed examples of A new go the Energy Sector was announced An exch Commission (E Platform, in par The Gor Colombia were setting up a loc Ukraine are bei Local at Colorado (USA) setting up a loc  IEA Clea Kopernikus EN Lausitz GmbH, approached. Tr	uthorities as well as the 'local mining university in ) were approached and they expressed their interest in



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2	GoE on CMM should generate more knowledge	CSE approved extension of the GoE on	GoE	Invitations to deliver seminars and workshops on Best Practices in Coal Mine Methane Capture and Utilization were received from the Governments of Turkey, Ukraine and Georgia. Appropriate steps have been taken by GoE on CMM and the secretariat to respond and to ensure that the requested future events will contribute to the greatest possible extent to promotion of the Best Practices developed by the Group.  Implemented in December 2018:
	applicable to broader extraction industry, in order to sustain the results, given the excellent relevancy and sustainability. This recommendation applies provided that a draft Work Plan of the GoE for 2018- 2019, and the GoE on CMM's request for extension of its mandate is approved during the CSE 26th session. The mandate extension should encompass work on the transition of traditional mining companies to become integrated service companies. It should also explore the impact this transition might have on the contributions of the energy sector on sustainable	CMM's mandate and workplan for 2018- 2019, thus providing a basis for continuation of Group's activities in accordance to the previously established mode of operation. GoE on CMM together with SED already is and will continue to be active in preparation - and on later stage in implementation - of the cross-cutting project on Modernisation of the Energy Sector, which is to include all Groups of Experts operating the umbrella of CSE.  The secretariat engaged with EC exploring opportunities for cooperation, giving special attention to EC's Coal Regions in Transition Platform which is built on similar premises and seeks to achieve similar goals as a new SED's cross-cutting project on Modernisation of the Energy Sector.  The Government of Kazakhstan was approached and expressed its interest in participating in two extrabudgetary projects developed by SED.  EBRD was approached to explore opportunities for financing of, and		<ul> <li>A new grant for development of the Project on Modernization of the Energy Sector led by GoE on CMM to be provided by Kazakhstan was announced.</li> <li>An exchange of information and cooperation with the European Commission (EC) in general, and its Coal Regions in Transition Platform, in particular, continues.</li> <li>IEA Clean Coal Centre, Climate-Kic, Kopernikus ENavi Project, and Geschäftsführer Innovationsregion Lausitz GmbH, as well as various industrial sites' operators (In Russia, Kazakhstan, and Italy) were approached. They expressed interest in participating in the project on Modernisation of the Energy Sector. The details of their potential engagement are being discussed.</li> <li>Boston University (BU) was invited to cooperate with SED on refining and implementation of the cross-cutting project on Modernisation of the Energy Sector. The invitation was accepted and a common approach to the matter in question is being developed. It is to be presented to CSE at its 28th session in September 2019.</li> <li>GoE on CMM together with the GoE on CEP prepared a joint session on the role of fossil fuels in electricity production that was delivered at the Global Methane Forum, Toronto, April 2018.</li> </ul>
	development and possible formal adoption and implementation of the	cooperation in any new SED cross-cutting project on Modernisation of the Energy Sector.		GoE on CMM remains engaged in cooperation with the Expert Group on Resource Management (EGRM) for the purpose of developing UNFC guidelines for the assessment and management of CMM,



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	standards. Rec 8 lists several stakeholders to be consulted in this process.	<ul> <li>ICL as well as a private sector actor specialized in business modelling were approached and expressed their interest in participating in a new SED cross-cutting project on Modernisation of the Energy Sector.</li> </ul>		abandoned m projects.	ine methane (AMM) and ventilation air methane (VAM)
		When necessary, as stipulated in the 2018-2019 Work Plan of the Group, GoE on CMM stands ready to participate, within the scope of its expertise, in the SED project on Methane Management in Extractive Industry, as requested by CSE. GoE on CMM reviewed, provided comments to, and endorsed a draft document on Principles for Financing Clean Fossil Fuel Projects in the Context of the 2030 Agenda for Sustainable Development prepared by the Group of Experts on Cleaner Electricity Production (GoE on CEP) and the secretariat. GoE on CMM will actively engage in further development of this matter.			
		GoE on CMM together with the GoE on CEP will prepare a joint session on the role of fossil fuels in electricity production that is to be delivered at the Global Methane Forum in Toronto, April 2018.			
		GoE on CMM engaged with the Expert Group on Resource Classification (EGRC) to contribute to development of the United Nations Framework Classification for Resources (UNFC) guidelines for the assessment and management of CMM, abandoned mine methane (AMM) and ventilation air methane (VAM) projects. GoE on CMM will remain active in this field.			



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It is recommended to employ a network of "champions" to lead the work on implementing the recommendations created by GoE, a practice frequently observed in policy making. The "champions" would be key political figures in governments of UNECE member States, advocating for legislative changes, eventually involving the mining companies in setting national industry standards.	The Bureau of GoE on CMM together with the secretariat will continue its efforts to identify and engage with relevant actors in both the coal sector and governments, for the purpose of assuring effective dissemination of the best practices, as well as their incorporation into industry standards and national legislation in UNECE member States.  At the Bureau call on 11 December 2017 the Chair of the Group distributed the duties among the members of the newly elected Bureau and encouraged them to take steps, within the scope of their professional capacity and influence, to increase the visibility of the best practices developed by GoE on CMM in their respective capitals and/or in professional communities in which they operate.  The Bureau of GoE on CMM together with the secretariat continue its outreach to relevant international professional (e.g. ISO, ILO, GMI, IEA Clean Coal Centre), political (e.g. European Commission) and financial (e.g. EBRD) institutions seeking cooperation and assistance with dissemination and implementation of the best practices worldwide (as recommended by ECOSOC in the decision 2011/222).  GoE on CMM has established two International Centres of Excellence on CMM (ICE-CMM) in Poland and in China. Negotiations regarding other Centres in Russia and Ukraine are in progress. GoE on CMM and the secretariat will continue	GoE and the Energy Industry Section	GoE or existing ICE-C vehicles to influstandards considered and a considered and apply the Best at the drilling services, and apply the Best at the drilling services.  GoE or existing ICE-C vehicles to influstand and a considered and a con	in December 2018  In CMM continues to oversee and support activities of the MMs in their dissemination activities, using them as usence regulatory authorities to adopt industrial sistent with best practices developed by GoE on CMM. day seminar (in cooperation with the Polish International effence (ICE-CMM)) titled Coal Mine Methane as a many Source (28 February 2018, Cracow, Poland). The event in the framework of the School of Underground Mining Polish Academy of Science and gathered together emational practitioners, private enterprises operating in ulators, and academicians, allowing the Group to lest Practices, to encourage the local regulators to align measures, standards, and procedures with the Best to urge mine operators to apply the Best Practices in mical session (in cooperation with ICE-CMM in Poland) and methane capture from coal deposits in the context of protection and diversification of gas sources for many 2018, Międzyzdroje, Poland. The event provided an exchange and dialogue between the regulators and ofter from Poland and various other UNECE member as USA, Russia, and Ukraine, allowing the Group to lest Practices, to encourage the local regulators to align measures, standards, and procedures with the Best to urge mine operators and/or project developers to Practices in their existing and/or future mines as well as ites.  Bevent at COP24 (10 December, in Katowice Poland) conal and Unconventional Gas as a Destination Fuel for momy. The event organized jointly with ICE-CMM



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		efforts to expand the network of ICE-CMMs. GoE on CMM will continue to oversee and support activities of the existing ICE-CMMs in their dissemination activities, using them as vehicles to influence regulatory authorities to adopt industrial standards consistent with best practices developed by GoE on CMM.  The secretariat undertakes steps to translate the Best Practice Guidance developed by the Group into additional languages, thus increasing it accessibility to practitioners and decision-makers in the UNECE member States. Translation into Russian, French, Chinese, Polish, and Indonesian are underway. Apart from the translation into UNECE official languages, all other translation are being done as inkind contributions from the private sector actors cooperating with the Group. The secretariat ha also secured extrabudgetary resources for providing translation into other languages that may include Turkish, Spanish, Serbian, Georgian, and Mongolian.		Poland and the Polish Oil and Gas Company (PGNiG) featured a panel discussion on the future of natural gas, as seen from the perspectives of various stakeholders (public and private sector) from around the world (UNECE member States, Australia, and China). The event allowed the Group to raise its visibility and to reach out with its messages to the high-level political figures present at or observing COP24.  • Three technical sessions (August, June and September) designed to train future trainers in Best Practices in CMM Capture and Use organized by ICE-CMM in China. The sessions were targeted at Chinese miners, mine operators, and local regulators. They provided a platform for exchange of experiences and knowledge-sharing between experts from UNECE member States and local stakeholders, and allowed the Group to promote the Best Practices, to encourage the local regulators to align the applicable measures, standards, and procedures with the Best Practices, and to urge mine operators to apply the Best Practices in their mines.  • The Governments of Russian Federation, Ukraine and Colombia were approached and they all expressed their interest in setting up a local ICE-CMM. MoUs with Russian Federation and Ukraine are being discussed.  • Local authorities as well as the 'local mining university in Colorado (USA) were approached and they expressed their interest in setting up a local ICE-CMM.
4	Given the rising importance of the private sector for sustainable development (also enshrined in the SDGs), the Division and GoE should frame ways to involve the private sector in enhancing the results of their activities. The partnerships with the	GoE on CMM has established two International Centres of Excellence on CMM (ICE-CMM) in Poland and in China. Negotiations regarding other Centres in Russia and Ukraine are in progress. The Centres, being autonomous, self-financing entities operating under auspices of GoE on CMM, involve both public and private sector actors, and thus constitute a convenient platform for engaging with all	GoE and the Energy Industry Section	<ul> <li>A new grant from Kazakhstan for development of the Project on Modernization of the Energy Sector engaging both, public and private actors was announced in December.</li> <li>An exchange of information and cooperation with the European Commission (EC) in general, and its Coal Regions in Transition Platform, in particular, continues.</li> <li>Various public and private actors, such as: IEA Clean Coal</li> </ul>



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private sector could pave the way to adopt (voluntary) industry standards, could further facilitate the knowledge transfer, and could augment extrabudgetary resources.	entities operating in the sector. GoE on CMM and the secretariat will continue efforts to expand the network of ICE-CMMs. GoE on CMM will continue to oversee and support activities of the existing ICE-CMMs in their dissemination activities, using them as vehicles to influence regulatory authorities to adopt industrial standards consistent with best practices developed by GoE on CMM.  The Bureau of the Group and the secretariat will undertake efforts to reengage with the World Coal Association (WCA), the World Mining Congress (WMC) and IEA Coal Industry Advisory Board to reinvigorate cooperation, which over the last years has diminished. The Bureau of the Group and the secretariat will discuss other available opportunities of better engagement with mining companies.  Successful development of the sector-wide project on Modernisation of the Energy Sector would provide GoE on CMM with an extraordinary opportunity to engage with all actors operating in the extractive and energy industries. The broad scope and a comprehensive, cross-cutting approach of this project would allow the Group to integrate its objectives into a broader strategy for restructuring of these industries. As a result, the Group would improve efficiency of its actions and sustainability of their effects. To see more about the Group's engagement in the project please see response to Recommendation 2.		Geschäftsführe industrial sites' approached. T project on Mod potential engage.  GoE or existing ICE-C vehicles to rea sector to adopt developed by GoE of the control of t	day seminar (in cooperation with the Polish International ellence (ICE-CMM)) titled Coal Mine Methane as a gy Source (28 February 2018, Cracow, Poland). The divithin the framework of the School of Underground by the Polish Academy of Science and gathered and international practitioners, private enterprises a sector, regulators, and academicians, allowing the ote the Best Practices, to encourage the local private the applicable measures, standards, and procedures practices, and to urge mine operators to apply the Best



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			procedures with the project developer future mines as wood and the 25th World Kazakhstan. It gas Central Asia, exclastern Europe, various aspects of promoted by the A side eventialed Conventions the Green Econor Poland and the Poland and the Poland and the Poland and the World event allowed the messages to the COP24.  Three tectors are the companies of the copanies of	the Best Practices, and to urge mine operators and/or its to apply the Best Practices in their existing and/or well as at the drilling sites.  If y technical session on CMM (organized jointly with any Coal Mine Methane into an Asset: Implementing and Policies. The event was held within the framework of Mining Congress, 20 June 2018, Astana, athered public and private sector stakeholders from Soviet Union States, China, India, Western and as well as North America, allowing them to discuss of the application of the Best Practices developed and GoE on CMM.  In the event organized jointly with ICE-CMM and Unconventional Gas as a Destination Fuel for any. The event organized jointly with ICE-CMM and Indian Gas Company (PGNiG) featured a conthe future of natural gas, as seen from the arious stakeholders (public and private sector) from (UNECE member States, Australia, and China). The experience is the visibility and to reach out with its private sector representatives present at or observing thinical sessions (August, June and September) future trainers in Best Practices in CMM Capture and and properators, and local regulators. They provided a sange of experiences and knowledge-sharing between UNECE member States and local stakeholders, and up to promote the Best Practices, to encourage the or to align the applicable measures, standards, and the Best Practices, and to urge mine operators to reactices in their mines.



		date/deadline	
		setting up a loo Ukraine are be • Local a	authorities as well as the 'local mining university in  A) were approached and they expressed their interest in
		A one-content of the Colombian the international the international highlighting the faced in the coresponded to taken in other of taken in other of the Turkish Mile Coal Enterprises takeholders a and promoted intricacies of the A two-content of the Coal Enterprises the coal Enterp	dates in June 2019: day seminar (organized in cooperation with the Polish centre of Excellence (ICE-CMM)) titled Coal Mine Valuable Energy Source (27 February 2019, Cracow, event took the form of a match-making event between stakeholders, from both, public and private sectors, and all experts and equipment producing companies, extechnical and regulatory methane-related challenges fountry. International experts and equipment producers the specific needs identified and highlighted approaches countries.  Ideal technical Workshop on Best Practices in Coal Mine for and Utilization (organized jointly with GMI) was held key (10 June 2019). It was organized in cooperation with finistry of Energy and Natural Resources and the Turkish tes (TKI). It gathered local public and private sector and familiarized them with the Best Practices developed by the GoE on CMM, as well as explained the fineir effective application.  Ideal technical Workshop on Best Practices in Coal Mine fine and Utilization (organized jointly with GMI) was held fine and Utilization (organized jointly with GMI) was held fine and Utilization (organized jointly with GMI) was held fine and Utilization (organized jointly with GMI) was held finework of the Third International Coal Conference titled I Mining Industry in the Times of Decarbonisation, 12-14 hipro, Ukraine. The event was hosted by the Technical tempor and organized by the Ukrainian Ministry of Energy



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				as the Ukrainian companies such as DTEK, Pokrovskoye Mine Management, Pokrovskoye Holding Company, and Donetskstal. The objectives of the workshop were to disseminate and encourage implementation of best practices in CMM drainage and utilization, and to promote policies that facilitate development of CMM projects. The event resulted in a joint communique by the organizers encouraging the private sector in Ukraine to observe the measures and practices promoted by the Group and to develop CMM/CBM projects.
5	Strengthen internally the Secretariat to enable constant and predictable support services to the GoE. This would require a multilevel approach:  Staffing: Ensure the senior staff is able to focus on substantial/political work, and the junior staff is sufficient and constantly employed. Ideally, one regular staff should be allocated entirely for the GoE support, to enable work continuity; Resourcing: secure sufficient regular budget for the normal functioning of the GoE (e.g. some experts are not able participate in meetings as their organizations do not have enough resources to finance travel), and for the most	The Bureau of the Group and the secretariat will explore available opportunities to increase regular budget resources. Upon agreeing on a strategy, the matter will be brought to the attention of CSE.  SED will discuss organizational (including staff matters) and budget-related issues internally, awaiting the announcement of the Secretary General's (SG) strategy for Economic Commissions. The first of such debates took place at the SED's retreat on 4-5 December 2017. Others are to follow. Upon being informed about the SG's strategy and the ensuing decisions taken by the UNECE Executive Secretary (ES), SED will decide on steps that it is to undertake in order to improve efficiency and financial condition of the Division and its Groups of Experts (including on CMM).  The Bureau of the Group and the secretariat will continue its efforts to build robust relationships with potential donors. The already commenced attempts will be pursued. In December 2017 representatives of the Group and the secretariat will attend an inauguration of	the Secretary	Implemented in January 2020  The size of the regular budget remains a major challenge. The demand for the Group's services continues to grow, but the available RB resources either remain the same, or even decline.  In the absence of new resources being associated with new mandates, new demands are dependent on extra-budgetary resources.  Partnerships with potential donors are being developed. ICE-CMM in Poland agreed to sponsor a project on coordination of activities of the Centres and provided UNECE with a USD 75,000 donation. The funds which were received by UNECE in January 2020 will allow the Group to efficiently manage and oversee activities of both ICE-CMMs (in Poland and in China) until the end of October 2020. Work continues to identify and receive funds from other donors.



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	significant activities agreed in the bi-annual Work Plans;  • Build strategic partnerships with potential donors (governmental / public agencies, mining companies, other private sector representatives) and agree multi-annual budget for the planned activities, in order to increase predictability and planning.	the EC's Coal Platform. As the scope of the Platform overlaps to a large extent with the project on Modernization of the Energy Sector, EC is hoped to join the rank of the Group's important partners. Similarly, a follow up discussion of the potential engagement of EBRD in the abovementioned project is scheduled to take place in December 2017.  The secretariat is planning a mission to Brussels, tentatively scheduled for the beginning of 2018, to discuss a potential for cooperation between SED and EC' Directorate-General for Energy (DG Energy). The discussion will feature a project on Modernization of the Energy Sector and the broad agenda on methane management (including on CMM).  A secondment from the Government of Kazakhstan is currently being explored to provide support on non-regular budget activities.			
6	The GoE should initiate a process to establish agreed measuring standards related to its work: incidents / explosions statistics and reporting, measure capture and commercial use of methane, measure the GHG emission reductions; and common evaluation methodologies for all fossil sources of energy. This task	The Bureau of GoE on CMM and the secretariat will develop indicators allowing for measuring in quantifiable way the results and effects of its work. The issue was discussed at the GoE on CMM's Bureau call on 14 December 2017. For each of the activities stipulated in the 2018-2019 Work Plan, the Bureau of the Group and the secretariat will establish a set of specific (where possible quantifiable) indicators, allowing for measuring effectiveness of the Group's actions.  The Bureau of GoE on CMM and the	GoE	<ul> <li>Greater awar</li> <li>by the Group is experegulations and stan mine basis, reflecting</li> <li>Guidance for Effective</li> <li>(BPG) developed by application by ECOS</li> </ul>	ct and indirect objectives and indicators of success a by GoE on CMM and the secretariat.  reness of good practices identified and advocated ected to be evidenced by the adoption of idards, either at the national level, or on a mine-bying the principles contained in the Best Practices we Methane Drainage and Use in Coal Mines of the Group and recommended for worldwide GOC (Decision 2011/222). Adoption of the relevant to a reduced number of methane-related



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	has two constraints: a) this type of information is under direct control of safety and environmental bureaus and agencies resident in the member States, and their reliability and comparability would be a challenge; and b) it would be difficult to establish a direct attribution of the GoE's activities to the final results – number of accidents or quantity of emissions; rather it would be a contribution to achieving set targets. The shift from output oriented measuring to outcomes indicators will support the Division and the Group of Experts in presenting more convincingly the results of their work, especially given the international rhetoric related to results based management and the raising importance of the private sector in sustainable development.	secretariat will undertake efforts, within the scope of their capacities and mindful of time constraints, to obtain from intended beneficiaries (i.e. member States and/or other entities) data indicating direct and indirect impact of the Group's activities.		accidents in coal CMM.  Since the Committee on S mentioned best on delivering on Group's work ca from the dissemi  At the sa however, they st the Group's work	I mines, as well as to more efficient capture and use of a Group's main objective, as mandated by the sustainable Energy, is to disseminate the above-practices, the work of the Group is focused primarily this task. Consequently, the direct effect of the n be measured by the number of people benefitting ination activities that it organizes.  The time, proxy indicators can also be established, mould not be directly utilized to evaluate the success of a since they are dependent on multiple factors, many a political nature, and thus beyond the measurable Group.
7	As an emerging practice <sup>1</sup> , consider creating a "Training of Trainers" program	A standard training module on best practices in the abatement, recovery, and use of methane from coal mines will be	GoE (as per Work Plan 2018-	Implemented in D  A standa	ecember 2021 rd training module on best practices in the abatement,

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 $<sup>^{\</sup>rm 1}$  Centres of Excellence as a Tool for Capacity Building, OECD, 2014



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implemented through the ICEs, to expand the knowledge base and specialist community (ideally also involving an academic program, or even creating specialized studies at higher education level). This approach should also consider elements of integrating capacity building measurement and reasonable ways of integrating results measurement into future projects;.	developed in the 2018-2019 biennium.  Once the training module is created, GoE on CMM and the secretariat will undertake necessary steps (including on securing funding) to develop a proper application strategy, aligned with the scope and the level of complication of the module. Where possible and appropriate GoE on CMM will work on this issue in cooperation with ICE-CMMs. Where appropriate GoE on CMM will also reach out to relevant academic and scientific institutions in order to explore usefulness and possibility of their involvement in this task.	2019), with the help of its Secretary	recovery, and use of methane from coal mines was developed in cooperation with the Global Methane Initiative, as per the Group's 2018-2019 work plan. This deliverable was developed under the extrabudgetary project funded by US EPA, the duration of which was extended until 31 December 2021. Following approval from both the donor and the Group of Experts (at its 14 session in November 2019) this work item has been carried over to the 2020-2021 biennium.  • All eight modules of the training have been published on the UNECE website.
8 To maximise sustainability, consider a more focused engagement with technical community, policy makers in UNECE member States, other UN System organizations, financial markets, private sector, NGOs. It is important to bring all stakeholders to dialogue, to establish common action plan and to create the legal frameworks within the UNECE member States. For the European Union Member States, it would make sense to create a strategic partnership /	The Bureau and the secretariat touched upon issue at the GoE on CMM's Bureau call on 14 December 2017 and decided to discuss it further at the upcoming Bureau call in January 2018. By then Members of the Bureau will undertake efforts to evaluate the position of their respective Governments on this issue.  Should the Bureau of the Group so request, the secretariat will engage with member States to gauge their interest in developing a legal instrument (e.g. a convention) regulating matters encompassed by the mandate of GoE on CMM. In case there is interest from member States to proceed with development of a legal instrument in the field of CMM, GoE and the secretariat will engage with the EU in order to explore a	GoE and the Energy Industry Section	Neither the Bureau, nor a member States requested any hard-law regulation in the field of CMM.     So far, the principle-based approach has been found appropriate and satisfactory.     At this time there is no political will in member States to commit to any binding legal framework regulating the issues related to CMM management.



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	technical involvement of the EU bodies responsible with energy resources, to include best practices in the national legislation.	possibility of issuing a unified joint regulation.			
9	It is advisable for the Division to include a stronger Results Based Management approach when creating project documentation and reports. This would make the results easily understandable to stakeholders, thus increasing credibility and evaluability. In turn, the future evaluations will have a stronger internal and external validity.	While developing project documentations and reports, the secretariat, where possible, will give more focus to detailed description, in a measurable and quantifiable manner, of the expected or achieved results. In this context, please also see Follow up actions and responsibilities in response to Recommendation 6.	Energy Industry Section	All project comply with general complexity.	t documentation and reports produced by the Group eral UNECE standards. Surable and quantifiable indicators of success please o point 6 above.