

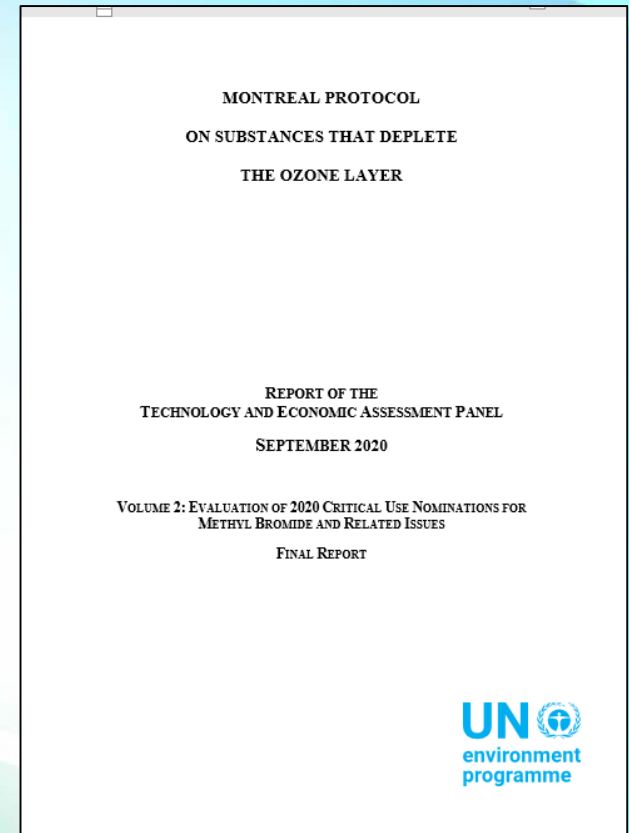
# Methyl Bromide Technical Options Committee (MBTOC)

Final CUN Assessment  
2020

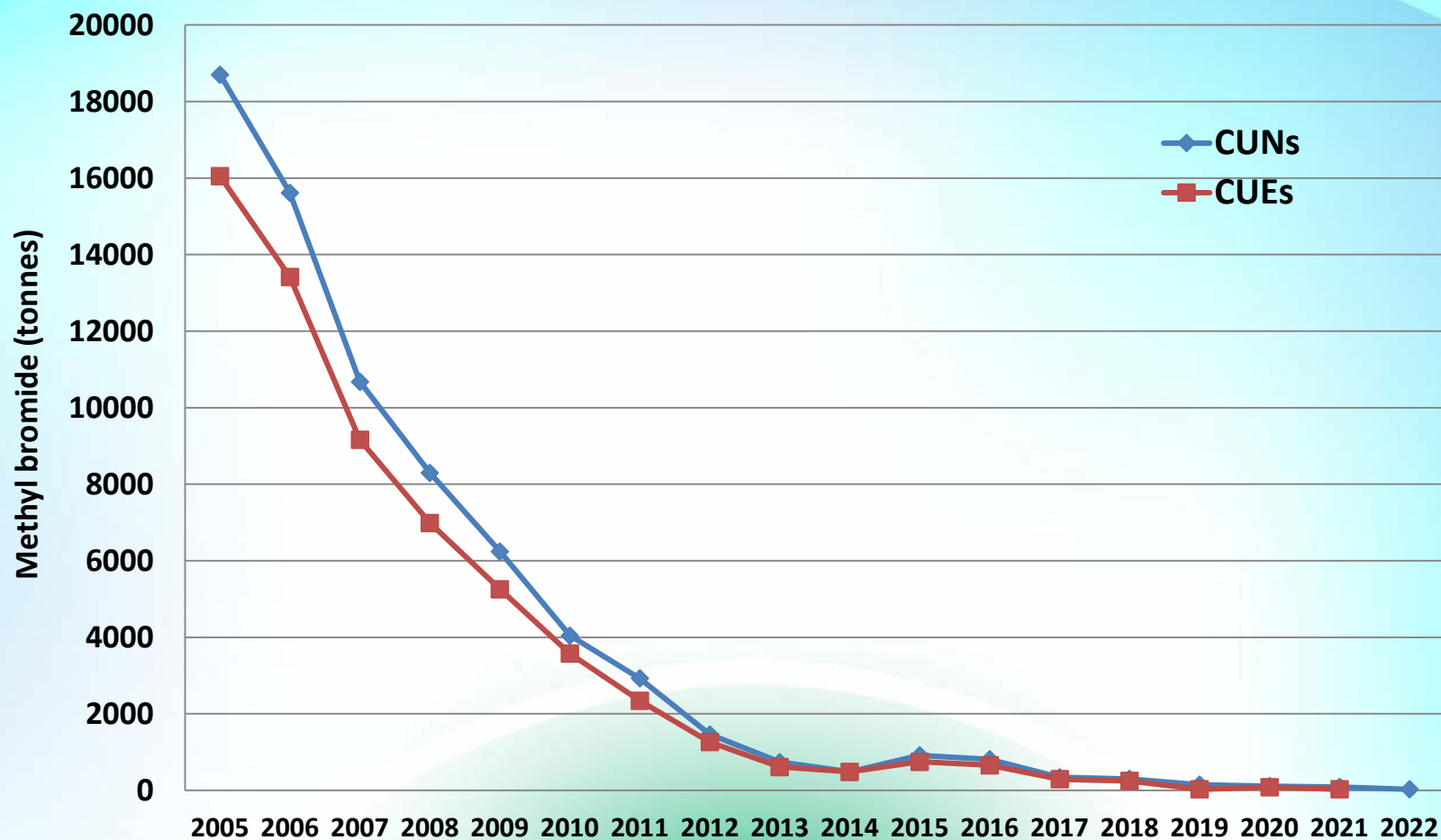
Co-chairs  
Marta Pizano  
Ian Porter

# MBTOC Membership List (17) and CUN Report

- Mr Alejandro Valeiro Argentina
- Professor Ian Porter (Cochair) Australia
- Dr Jonathan Banks Australia
- Professor Aocheng Cao China
- Ms Marta Pizano (Cochair) Colombia
- Dr Christoph Reichmuth Germany
- Dr Takashi Misumi Japan
- Dr Akio Tateya Japan
- Professor Mohammed Besri Morocco
- Mr Fred Bergwerff Netherlands
- Mr Ken Glassey New Zealand
- Mr Alfredo Gonzalez Philippines
- Dr Nick Vink (Economist) South Africa
- Dr Ayse Ozdem Turkey
- Mr Jordi Riudavets Spain
- Dr Rosalind James USA
- Dr Tim Widmer USA

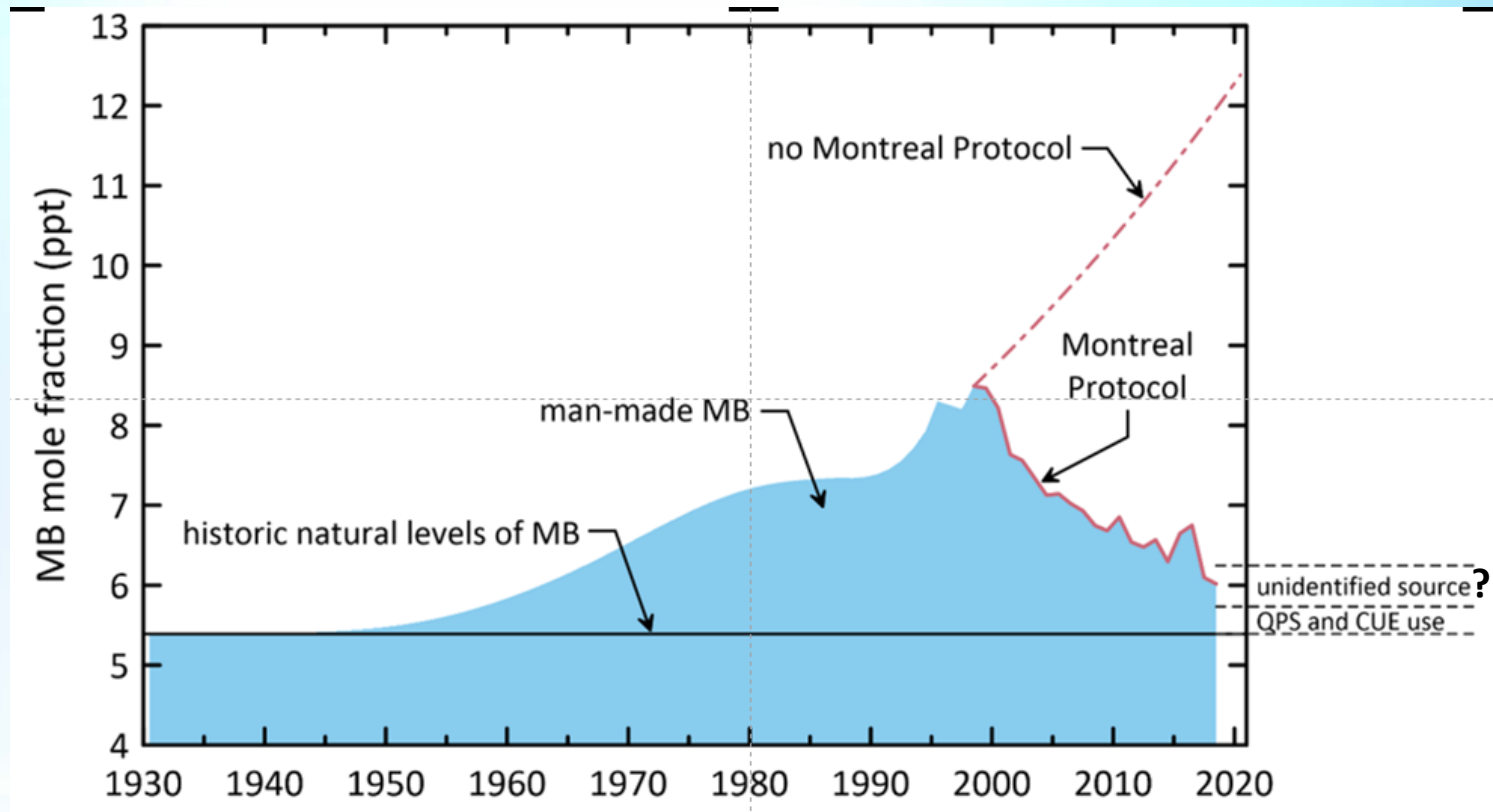


# Trends in Amount of MB Nominated (CUNs) and Exempted (CUEs) since 2005



# Good News

- Amounts nominated for Critical Use continue to fall (< 90 t) and these reductions continue the decline in atmospheric concentration of MB.
- Despite the short term rise in the atmospheric concentration of MB from 2016-2017, recent levels show that the decline continues.



# Reporting of Stocks (Dec XVI/6, para1)

	<b>MB stocks (t) Reported at End of 2019 for CUN countries only</b>
Australia	0
Canada	1.763
Argentina	0
RSA	19.9 - 49.012 (Being recalculated)

- Reporting under Article 7 shows that there has been higher levels of production (~3,000 t) than consumption for many years, leading to unknown levels of unreported stocks.
- CUE recommendations have not been adjusted to account for stocks

# CUNs Submitted for Use in 2021 and 2022

Uses and Main Reason	CUN 2021	CUN 2022
<b><i>Preplant Soil Uses</i></b>		
Strawberry nurseries - certification for non-QPS pathogens	Canada	Australia
Strawberry fruit - pathogens	Argentina	
Tomato - pathogens	Argentina	
<b><i>Commodity and Structural Uses</i></b>		
Flour Mills – Insect control	Rep. South Africa	
Structural Uses (Houses) – Insect control	Rep. South Africa	

# Summary of Final CUE Recommendations for all Critical Uses of MB (t) for 2021 and 2022

Country and Sector	Nomination by the Party in the previous year	Nomination by the Party for 2021 or 2022	Final Recommendation for 2021 or 2022
<b>1. Australia (2022)</b> Strawberry runners	28.98	28.98	[28.98]
<b>2. Canada (2021)</b> Strawberry runners	5.261	5.261	[5.017]
<b>3. Argentina (2021)</b> Strawberry fruit	13.5	7.54	[4.35]
Tomato	22.2	12.07	[6.96]
<b>4. South Africa (2021)</b> Mills	1.5	1.0	[0.30]
Houses	40.0	34.0	[24.00]
<b>TOTAL</b>	<b>111.441</b>	<b>88.851</b>	<b>[69.607]</b>

# Final CUE Recommendation for MB use (tonnes) in 2022 for Australian Strawberry Nurseries

Sector (Preplant soil treatment)	CUN for 2022	Final Recommendation for 2022
Strawberry nurseries	28.98	[28.98]

## Final Recommendation for 2022: Full amount

- The party stated that they will reduce the licensed amount to 0 t if methyl iodide (MI) is registered and available by 2022.
- The party provided a transition plan in 2018 for phasing-out MB which stated that if registration of MI was achieved by 2021, then that year the nomination amount will be reduced by 50% (i.e. to 14.49 t), and CUN requests will cease entirely from 2022 onwards.
- MBTOC accepted that MI was the only alternative available at present and that the party would control its use as appropriate.





# Final CUE Recommendation for MB use (tonnes) in 2021 for Canadian Strawberry Nurseries

Sector (Preplant soil treatment)	CUN for 2021	Final Recommendation for 2021
Strawberry nursery	5.261	[5.017]

## Final Recommendation for 2021 - Reduced

- After the OEWG, the Canadian delegation and grower held a bilateral meeting with MBTOC to review the use of soilless technologies to offset a proportion of MB use for production of a specific stage of the nursery plants (2A tips).
- MBTOC considers that the facilities presently being constructed by the applicant will be suitable to use soilless technologies by 2021 for a proportion of tip production.
- As a result, the delegation did not request a reassessment of the interim recommendation.



# Final CUE Recommendations for MB use (tonnes) in 2021 for Argentina

Sector (Preplant soil treatment)	CUN for 2021	Final Recommendation for 2021
Strawberry fruit	7.54	[4.35]
Tomato	12.07	[6.96]

## Final Recommendation for 2021: Reduced

- The amounts were adjusted to account for a reduced dosage rate from 26 to 15 g/m<sup>2</sup> based on use of barrier films which improve control at lower dosage rates and reduce emissions of MB.
- The lower rate conforms with MBTOC standard presumptions.



# Final CUE Recommendation for MB use (tonnes) for Commodities: South African Mills and Houses - 2021

Sector	CUN Request for 2021	Final Recommendation for 2021 (t)
Mills	1.0	[0.30]
Houses	34.0	[24.0]

## Final recommendations for 2021 : Reduced

**Mills:** Reduction based on only one fumigation per year at a 20 g/m<sup>3</sup> dose rate for the three mills nominated to allow time for adoption of IPM utilizing phosphine, sulfuryl fluoride, heat or ethyl formate.

**Houses:** Reduction based on adoption of sulfuryl fluoride over a 3yr period and use of heat where possible on a small scale.



# Emergency Use MB Application by Canada and Australia – Decision IX/7

## 1. Canada - Strawberry nurseries (1.764 t)

- Canada notified the Ozone Secretariat on 31 March 2020 that it expected to consume a quantity of MB, not exceeding 1.764 tonnes for an emergency use in 2020.
- Local weather conditions were unfavourable for fumigation of the full CUE amount of 5.261t in autumn 2019 and that 1.764 t was being carried forward as an emergency use in spring 2020 (April-May).

## 2. Australia – Rice (1.671t)

- Australia notified the Ozone Secretariat on 27 July 2020 that 1.671 t of MB had been approved for fumigation of rice due to unexpected consumer demand related to the impact of the coronavirus pandemic, affecting supply of domestic and imported rice. This approval required the applicant to recapture and dispose of 1.3 t of the MB used.
- The applicant subsequently reported that it had used only 0.111 t of MB.

# MBTOC Work Plan for 2021

Tasks and Actions	Completion Date
<b>Parties submit nominations to the Secretariat</b>	<b>24 January 2021</b>
Nominations pre assessed by MBTOC	7-21 February 2021
Nominating Party response to MBTOC	28 February 2021
<b>MBTOC Assessment Meeting</b>	March 2021
<b>TEAP Review</b>	April, 2021
<b>Interim report posted on secretariat website</b>	May 2021
<b>OEWG</b> (bilateral discussions)	July 2021
Parties resubmit nominations if necessary	August 2021
<b>MBTOC final report posted</b>	September 2021
33 <sup>rd</sup> Meeting of the Parties	October 2021