

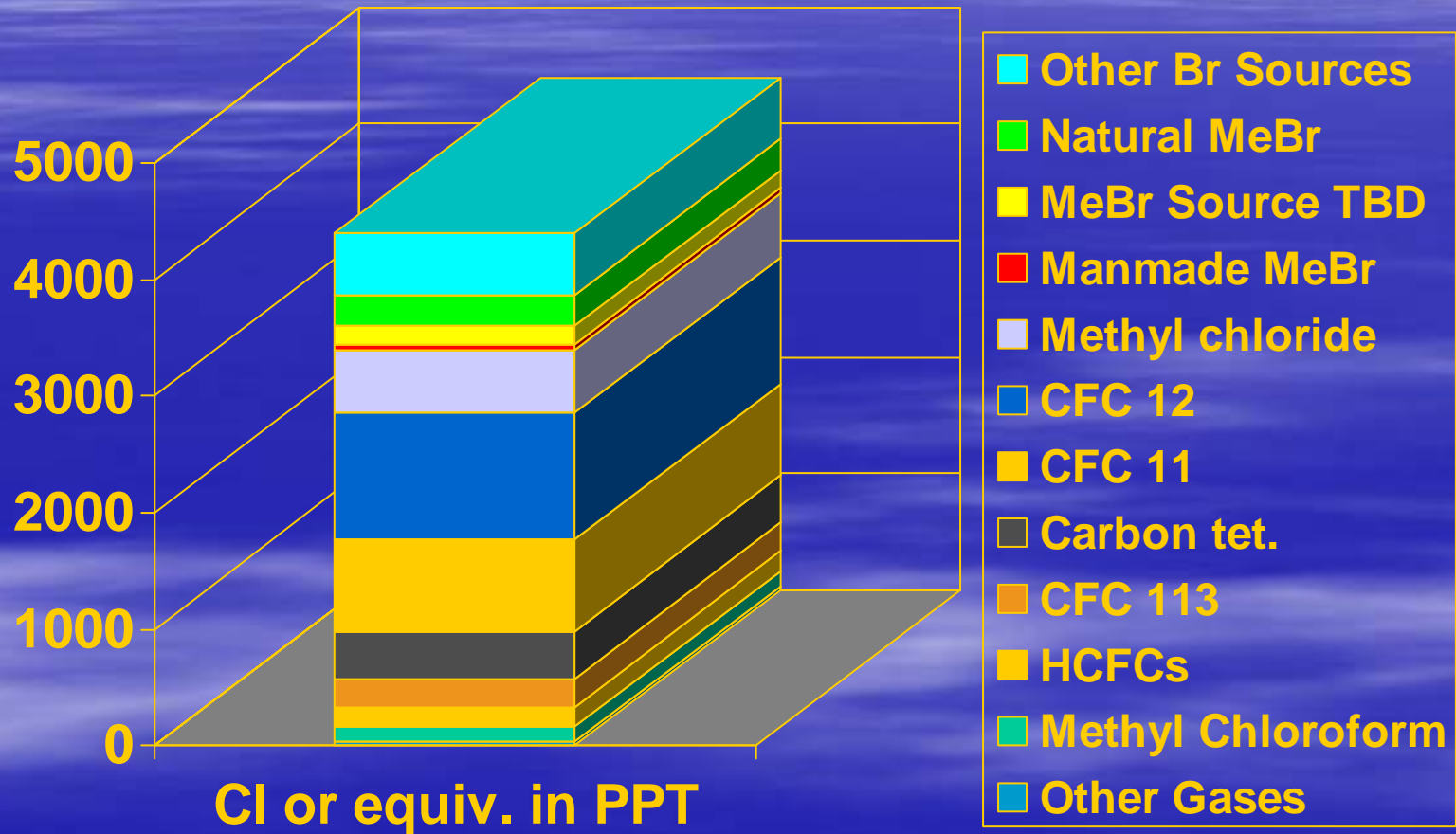
# National Management Strategy What Is It and What is Your Role?

Methyl Bromide and the Montreal Protocol

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# ODP Sources in Stratosphere



# Decision Requirements for NMS

- (a) To avoid any increase in methyl bromide consumption except for unforeseen circumstances;
- (b) To encourage the use of alternatives through the use of expedited procedures, where possible, to develop, register and deploy technically and economically feasible alternatives;

# NMS Requirements

(c) To provide information, for each current pre-harvest and post-harvest use for which a nomination is planned, on the potential market penetration of newly deployed alternatives and alternatives which may be used in the near future, to bring forward the time when it is estimated that methyl bromide consumption for such uses can be reduced and/or ultimately eliminated;

# NMS Requirements

- (d) To promote the implementation of measures which ensure that any emissions of methyl bromide are minimized;
- (e) To show how the management strategy will be implemented to promote the phase-out of uses of methyl bromide as soon as technically and economically feasible alternatives are available, and developed countries (non-A5) must demonstrate that research program's are in place to develop and deploy alternatives and substitutes.

# NMS Requirements Short-Hand

- Avoid increases in MeBr
- Encourage use of alternatives
  - Develop
  - Register
  - Deploy
- Provide market penetration data and phase-out schedule
- Minimize emissions
- Show how strategy will be implemented and research programs which will accomplish goal

# National Management Strategy Depends on Cooperation between Applicants, Industry and USG

- Develop alternatives
- Register alternatives
- Deploy alternatives

Overall Goal:

Implement programs to reduce MeBr use

# Methyl Bromide Alternatives Development

What is new?

- Cost of new registration M\$40-50
- Existing products have been in market
  - 1,3-D
  - Chloropicrin
  - Metam sodium
  - Sulfluryl fluoride
- Economic Considerations of limited markets

Focus of USDA research:

Use existing products with an eye to promising technologies

# Research Outcomes

- Combinations identified with efficacy
  - Economics?
  - Practicality under commercial conditions?
- Reliability
  - Adoption limited by scope and duration under actual use conditions
  - Acceptability is in the eye of the beholder – which may be a banker

# So Where Do We Stand?

- Many delegates to the Montreal Protocol have stressed that Critical Use Exemptions (CUEs) are intended to be “temporary derogations” from the total phase-out.
- Focused research programs are still important for each of the CUE categories
- Emphasis on trials that confirm viability of alternatives under commercial, field-scale conditions over multiple cropping seasons in the same location

