

SEMARNAT

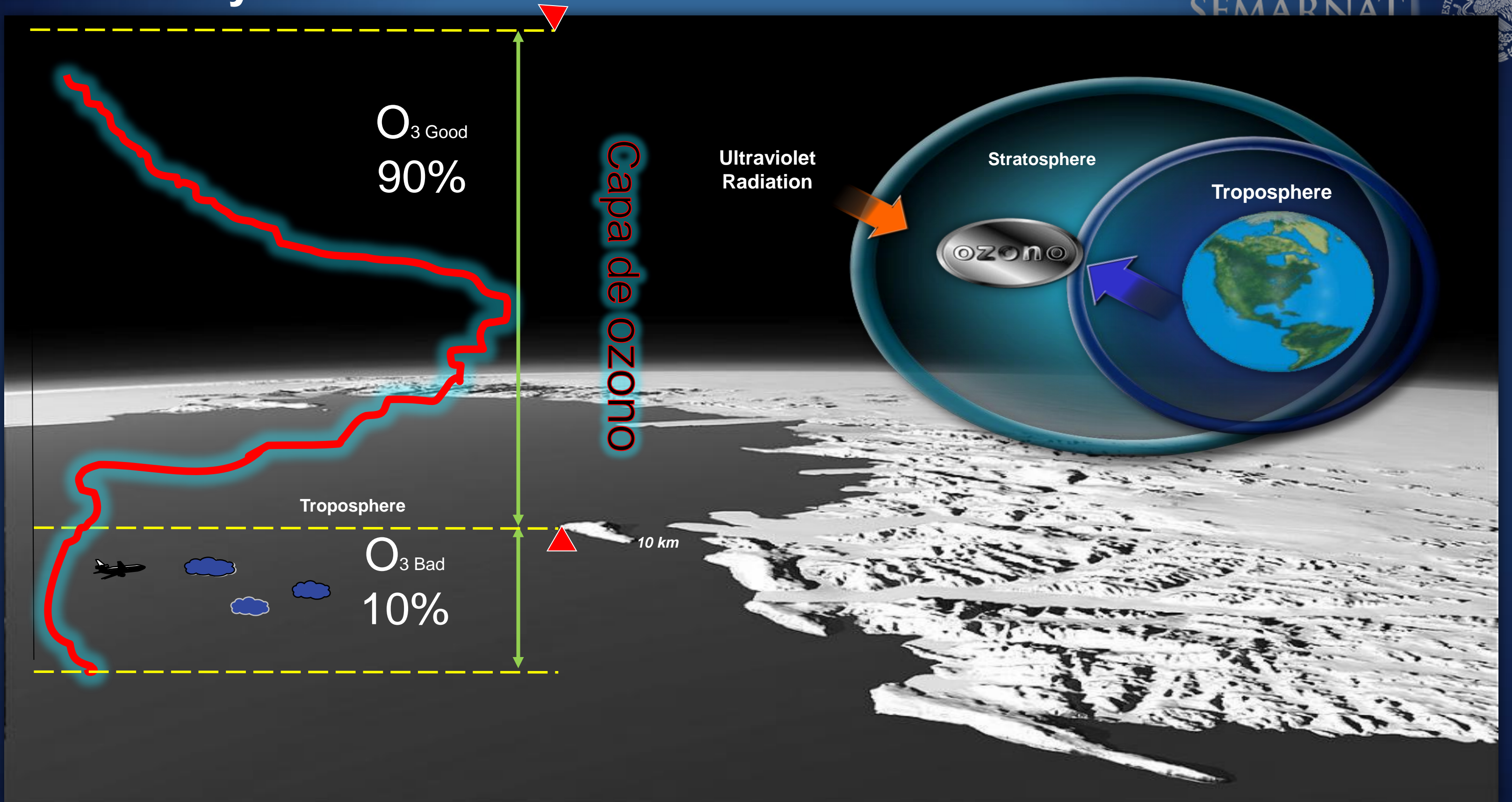
SECRETARÍA DE MEDIO AMBIENTE  
Y RECURSOS NATURALES



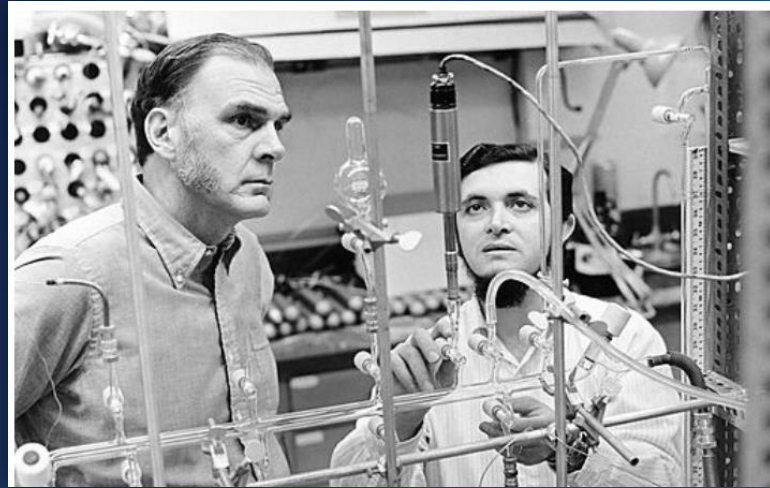
# National HCFC Phase Out Management Plan in México

# Ozone Layer

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# Montreal Protocol



**Principle...**  
***Shared Responsibilities and  
Differentiated Commitments***

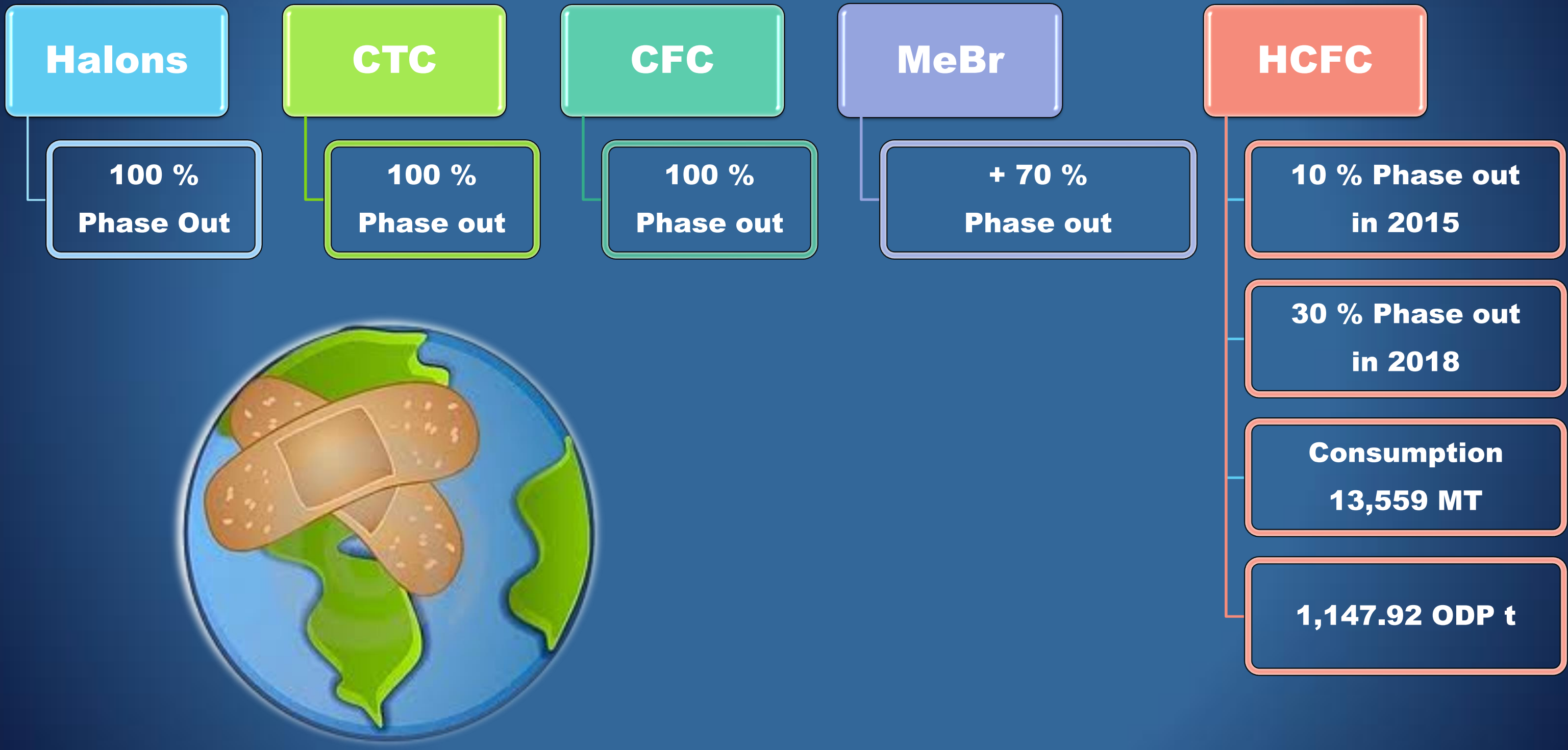


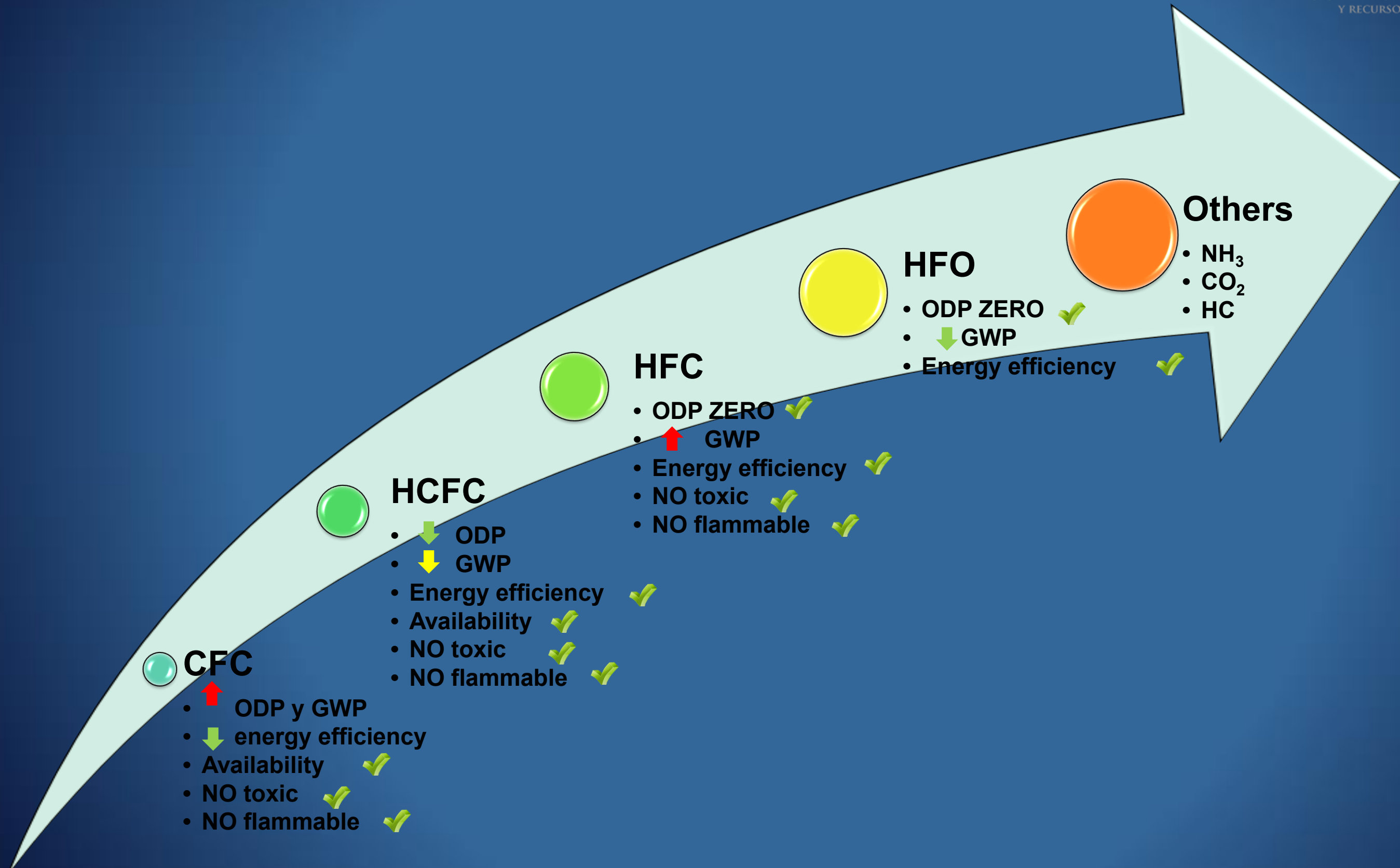
## Ozone Depleting Substances

## Green House Gases



# ODS Consumption





### CFC

- ODP y GWP
- energy efficiency
- Availability ✓
- NO toxic ✓
- NO flammable ✓

### HCFC

- ODP
- GWP
- Energy efficiency ✓
- Availability ✓
- NO toxic ✓
- NO flammable ✓

### HFC

- ODP ZERO ✓
- GWP
- Energy efficiency ✓
- NO toxic ✓
- NO flammable ✓

### HFO

- ODP ZERO ✓
- GWP
- Energy efficiency ✓

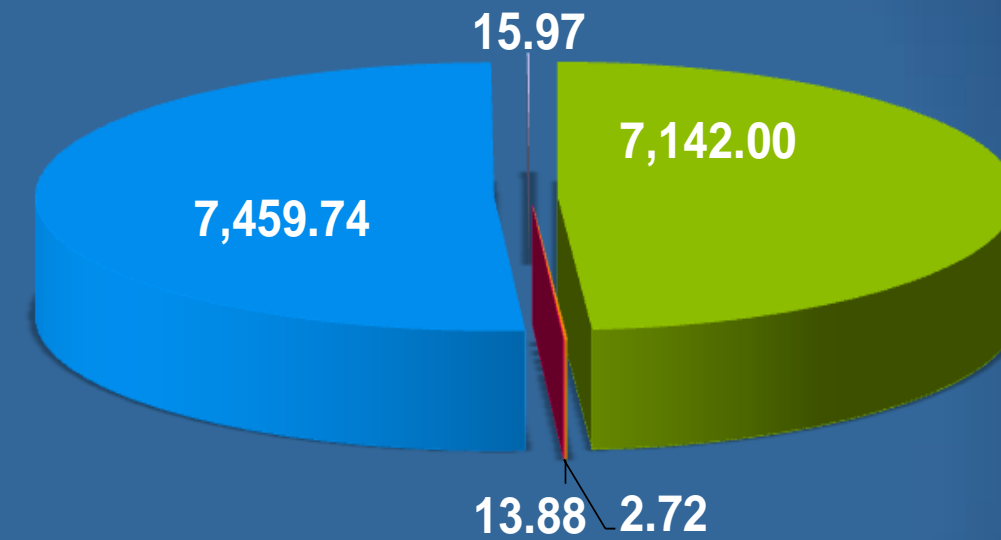
### Others

- NH<sub>3</sub>
- CO<sub>2</sub>
- HC

## Phase out schedule for Mexico

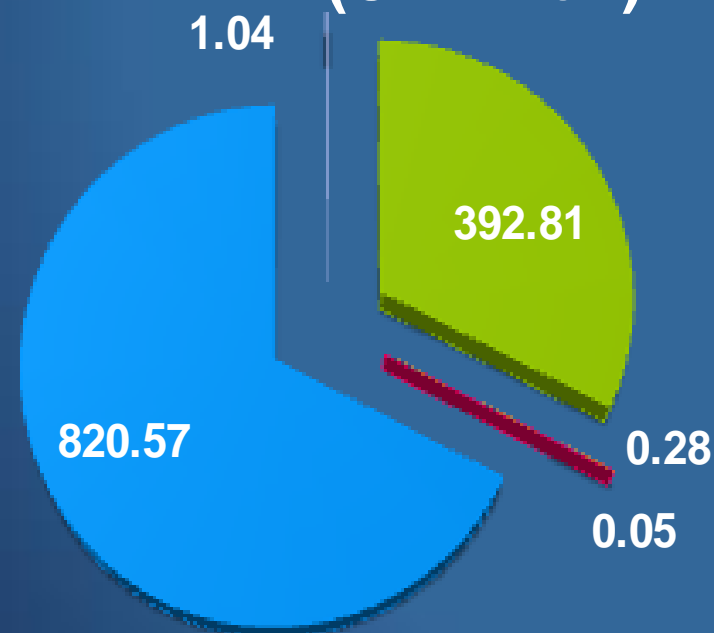
Control (%)	Year	Consumption (ODP)	Reduction
<b>Base line (2009 – 2010)</b>		<b>1,147.92</b>	
<b>Phase out (%)</b>	<b>2013</b>	<b>1,147.92</b>	
<b>10</b>	<b>2015</b>	<b>1,033.13</b>	<b>114.79</b>
<b>30</b>	<b>2018</b>	<b>803.55</b>	<b>229.58</b>
<b>35</b>	<b>2020</b>	<b>746.15</b>	<b>286.98</b>
<b>67.5</b>	<b>2025</b>	<b>373.08</b>	<b>373.08</b>
<b>97.5</b>	<b>2030</b>	<b>28.70</b>	<b>344.38</b>
<b>100</b>	<b>2040</b>	<b>0.00</b>	<b>28.70</b>

### HCFC consumption by substance MT



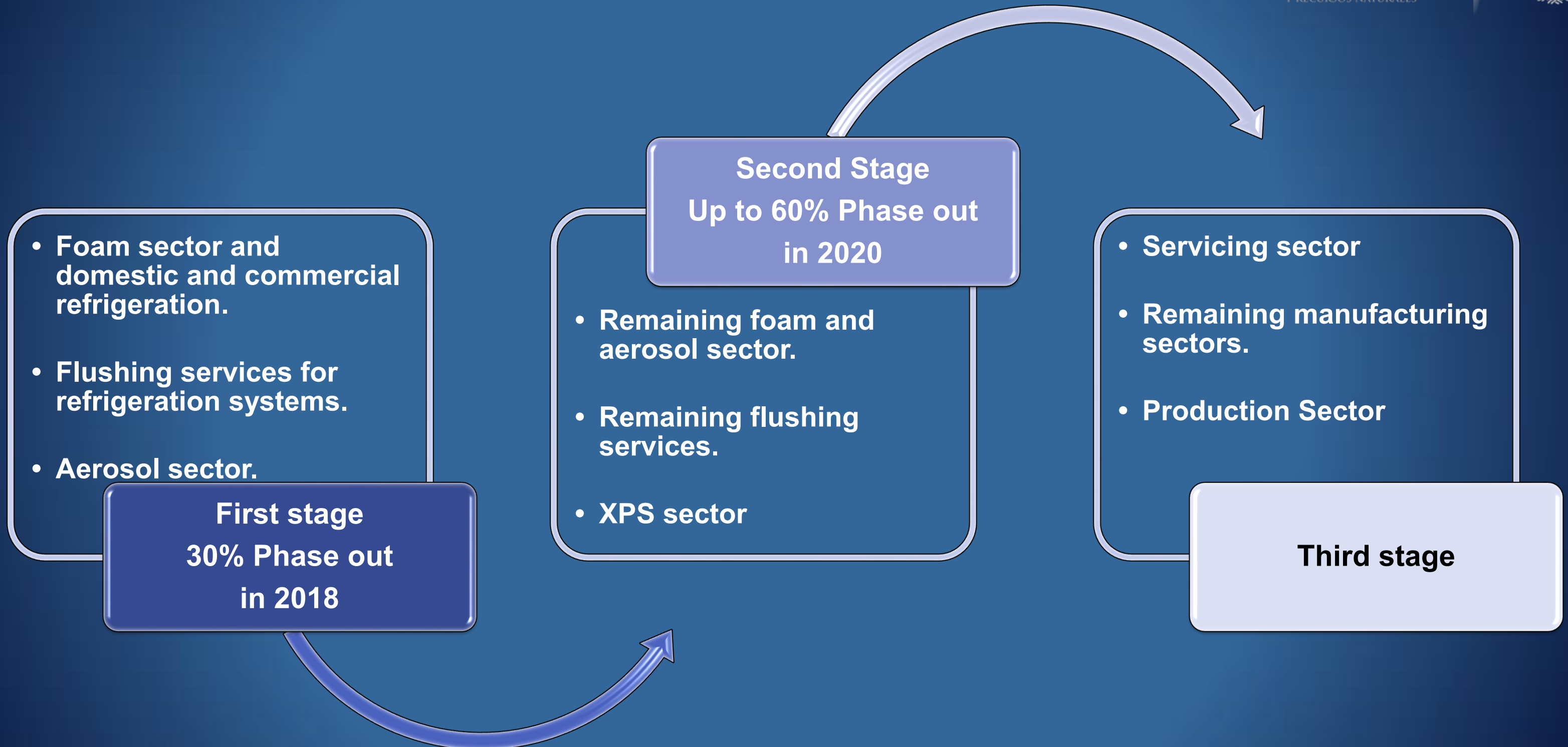
■ HCFC-22 ■ HCFC-123 ■ HCFC-124 ■ HCFC-141b ■ HCFC-142b

### HCFC consumption by substance (ODP Ton)



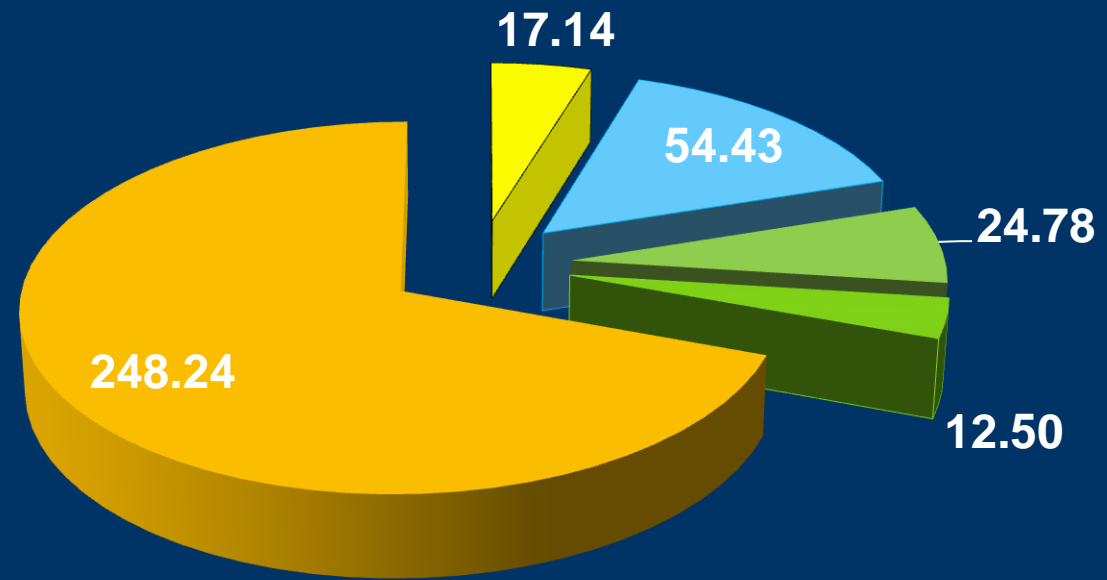
■ HCFC-22 ■ HCFC-123 ■ HCFC-124 ■ HCFC-141b ■ HCFC-142b





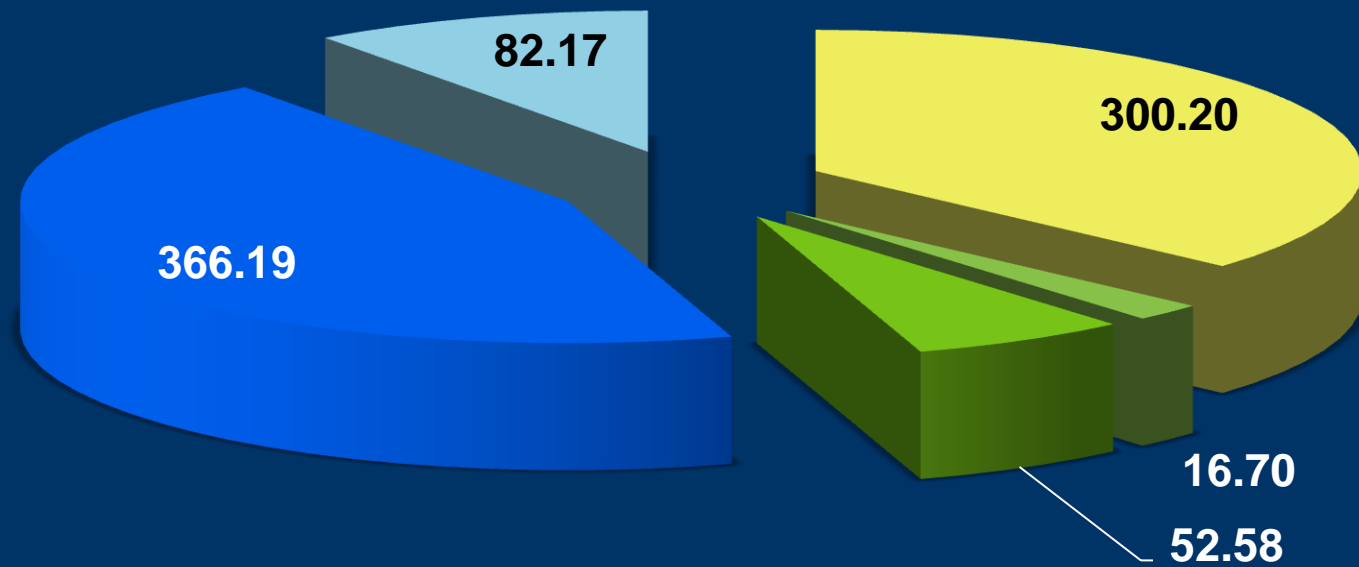
## HCFC-22 consumption by sector (ODP)

- Commercial refrigeration
- AC manufacturing
- Aerosols
- Panel manufacturing (foam)
- Servicing



## HCFC - 141b consumption by sector (ODP)

- AC and Refrigeration
- Aerosols
- Servicing
- Foams
- Exported poliols



# Gracias.

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