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# **NATIONAL SURVEYS WITH UNDP: BANGLADESH AND INDONESIA SURVEY**

**Funded by the Climate and Clean Air Coalition (CCAC)**

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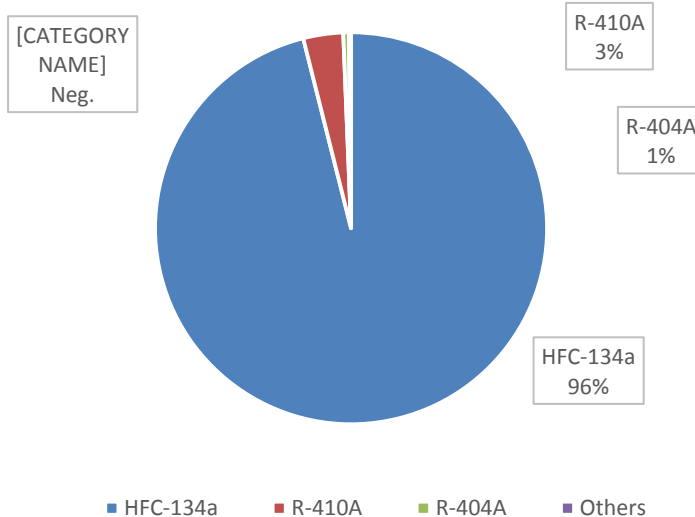


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# Introduction

- HFC Surveys funded by CCAC conducted for 6 countries globally
- Asia – Pacific region included two countries : Indonesia and Bangladesh
- Survey activities were completed during the period 2013-2014
- Current presentation covers overall survey findings and learning

# Indonesia Survey findings



**Survey done : 2013 data**

Consumption – 7800 MT (approx.)

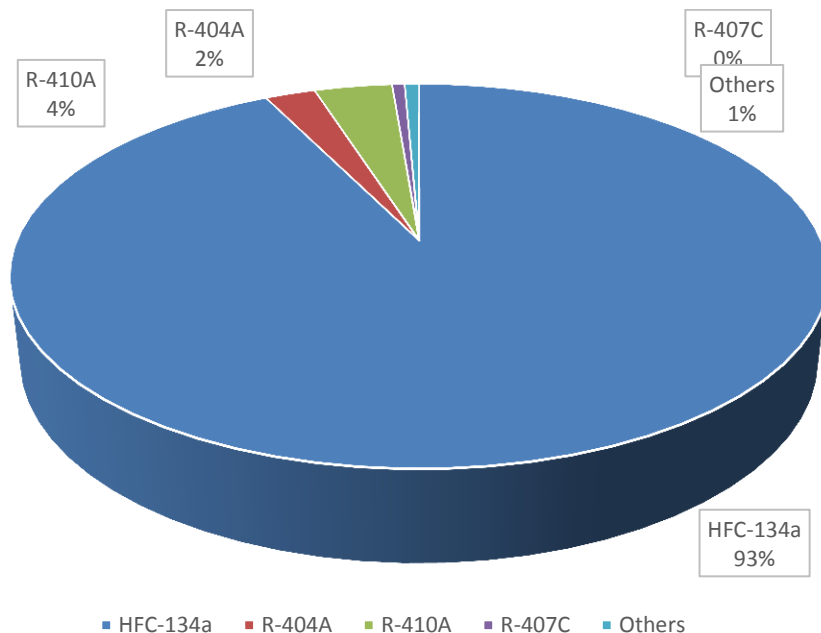
Emission – 10.5 Million Tons CO2 eqv.

- HFC-134 – constitutes more than 90%. Manufacturing growth is significant in the near future.
- HFC consumption in air-conditioning on the rise – in residential and commercial air-conditioning.
- More than 75% of consumption in GWP eqv. is emitted.



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# Bangladesh Survey findings



**Survey done : 2013 data**

Consumption – 517 MT

Emission – 730,000 Tons CO<sub>2</sub> eqv.

- HFC-134a – constitutes more than 90%. Can change in future.
- HFC consumption in air-conditioning on the rise.
- More than 50% of consumption in GWP eqv. is emitted.



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## Learning from survey

- **Absence of controls on HFCs** – difficulties in data collection
- **Careful planning and communication** – to avoid any confusion on purpose of survey among industry
- **NOU team and network** – most effective for carrying out survey : internal communication within the Government
- **Supply chain of ODS importers** – important stakeholders on HFC use mapping



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# Learning from survey

- **Technology adoption** – results in significant change in HFC demands (e.g., air-conditioning applications)
- **Service sector demand** – estimates based on technical and industry expert information
- **Emission estimates** – challenging tasks given the complexities involved in computation
- **Growth in new applications** – e.g., fire-fighting applications, solvents :difficult to estimate



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**Thank you !**