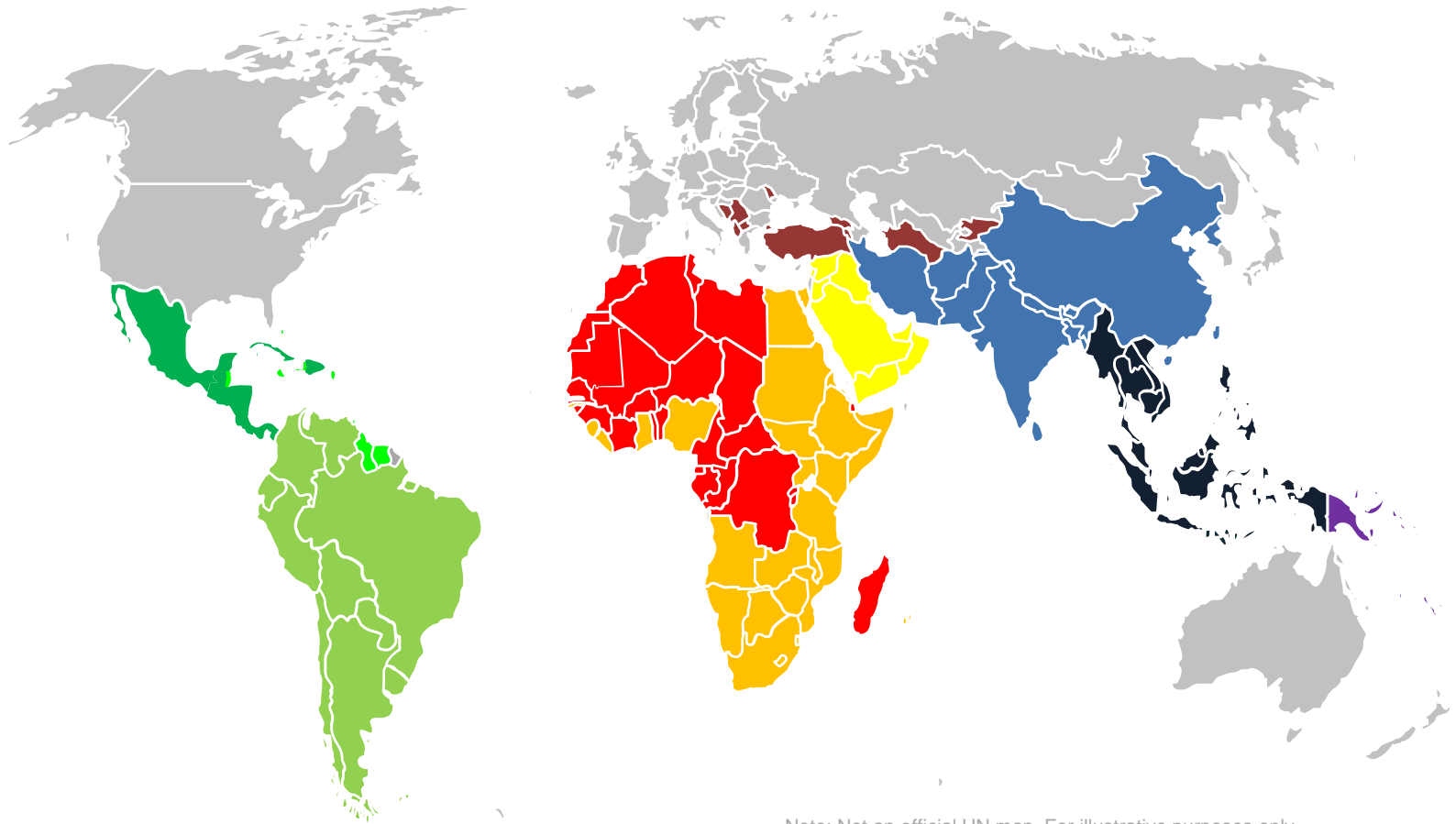


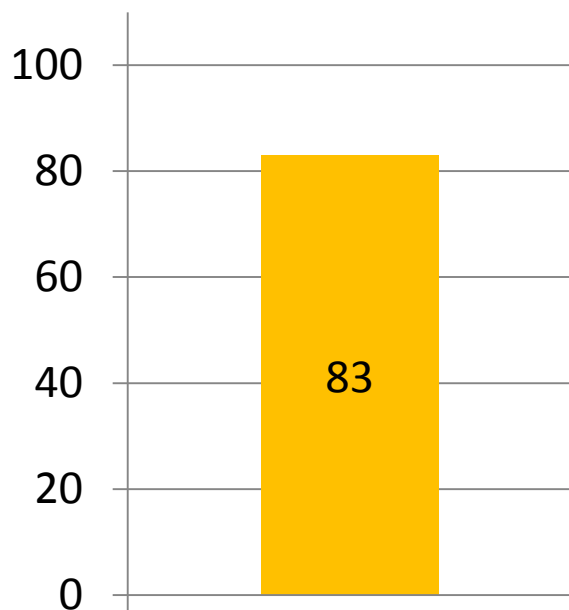
UNEP OzonAction regional networks



Note: Not an official UN map. For illustrative purposes only.

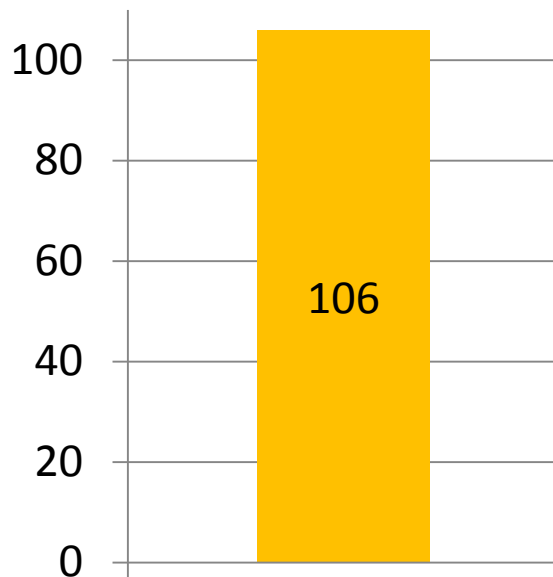
UNEP OzonAction project assistance

83 ODS alternatives
surveys



■ Countries

106 IS projects



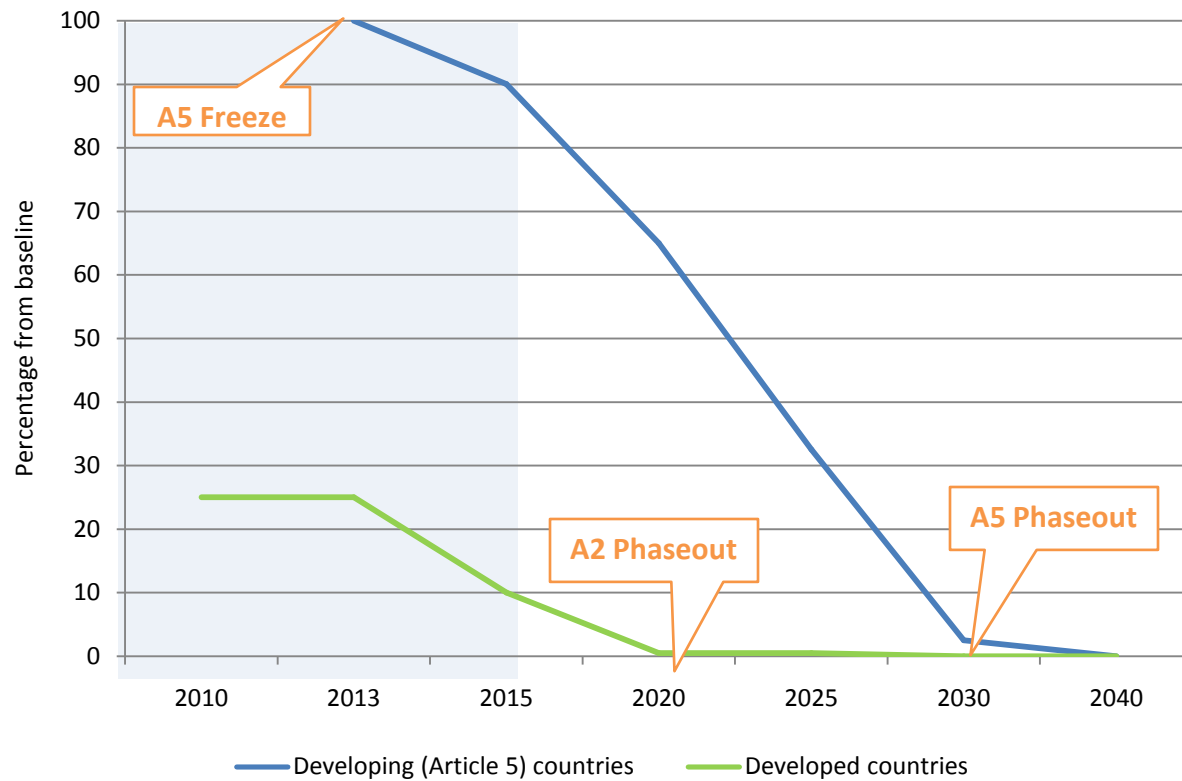
■ Countries

99 HPMPs

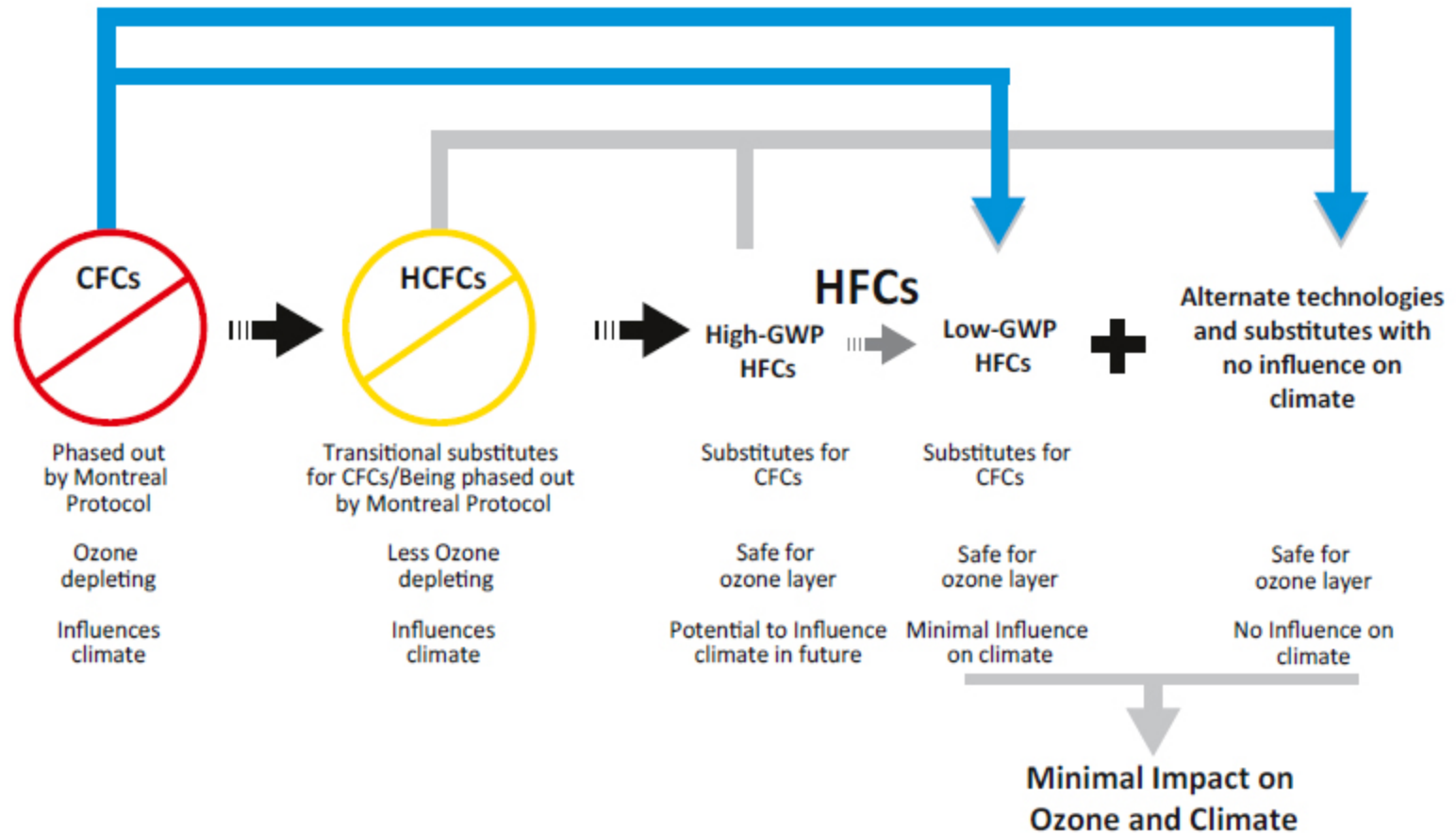


■ Lead ■ Cooperating

HCFC phase out schedule



Alternatives to HCFCs



Source: UNEP 2011, HFCs: A Critical Link in Protecting Climate and the Ozone Layer, 15

HPMP highlights from Kyrgyzstan:

- Accelerated HCFC phase-out from 2020 (Eurasian Economic Union)
- Ban on import of HCFC equipment from 2016
- Demonstration of alternative technologies
- Capacity building on the safe use of alternative technologies
- Mandatory assessment and certification of technicians on natural refrigerants
- Safety standards

HPMP highlights from Serbia:

- Training of customs / environmental inspectors
- Cooperation with RAC association (technology roundtable & exhibition)

HPMP highlights from Macedonia FYR:

- Equipment labelling and electronic log-book keeping of HCFC / HFC equipment

HPMP highlights from Croatia:

- Accelerated HCFC phase-out as per EU schedule
- EU training & certification scheme under F-gas regulation (HFCs)
- Environmental fund used for ODS destruction, co-funding of chiller replacement
- Collection of ODS waste

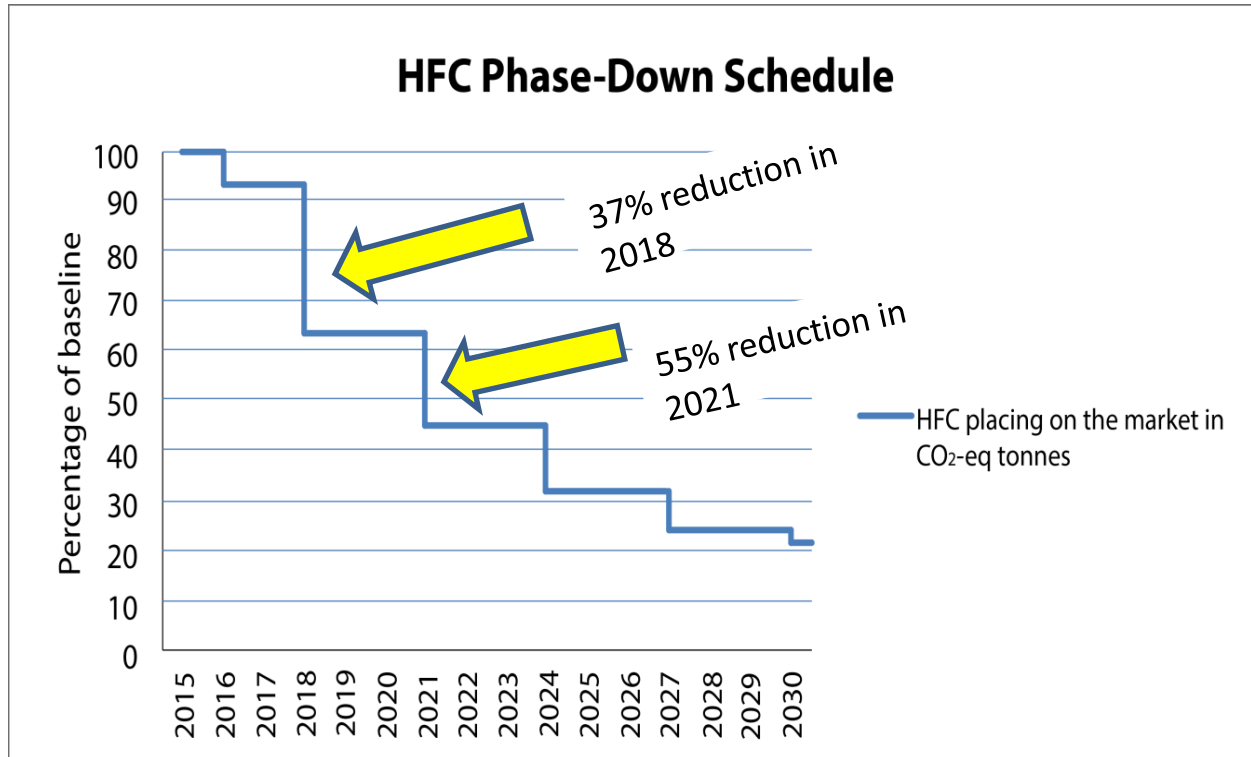
HPMP highlights from Turkey:

- Capacity building of trainers (train-the-trainers followed by trainers-train-customs officers)

Other possible HPMP components:

- Import restrictions / bans / taxes or other economic instruments (ODS, equipment)
- Code of good practices in refrigeration including HFCs and natural refrigerants
- Safety and performance standards
- Up-dating of training materials
- Sustainable procurement policies (public sector)
- Monitoring HPMP activities

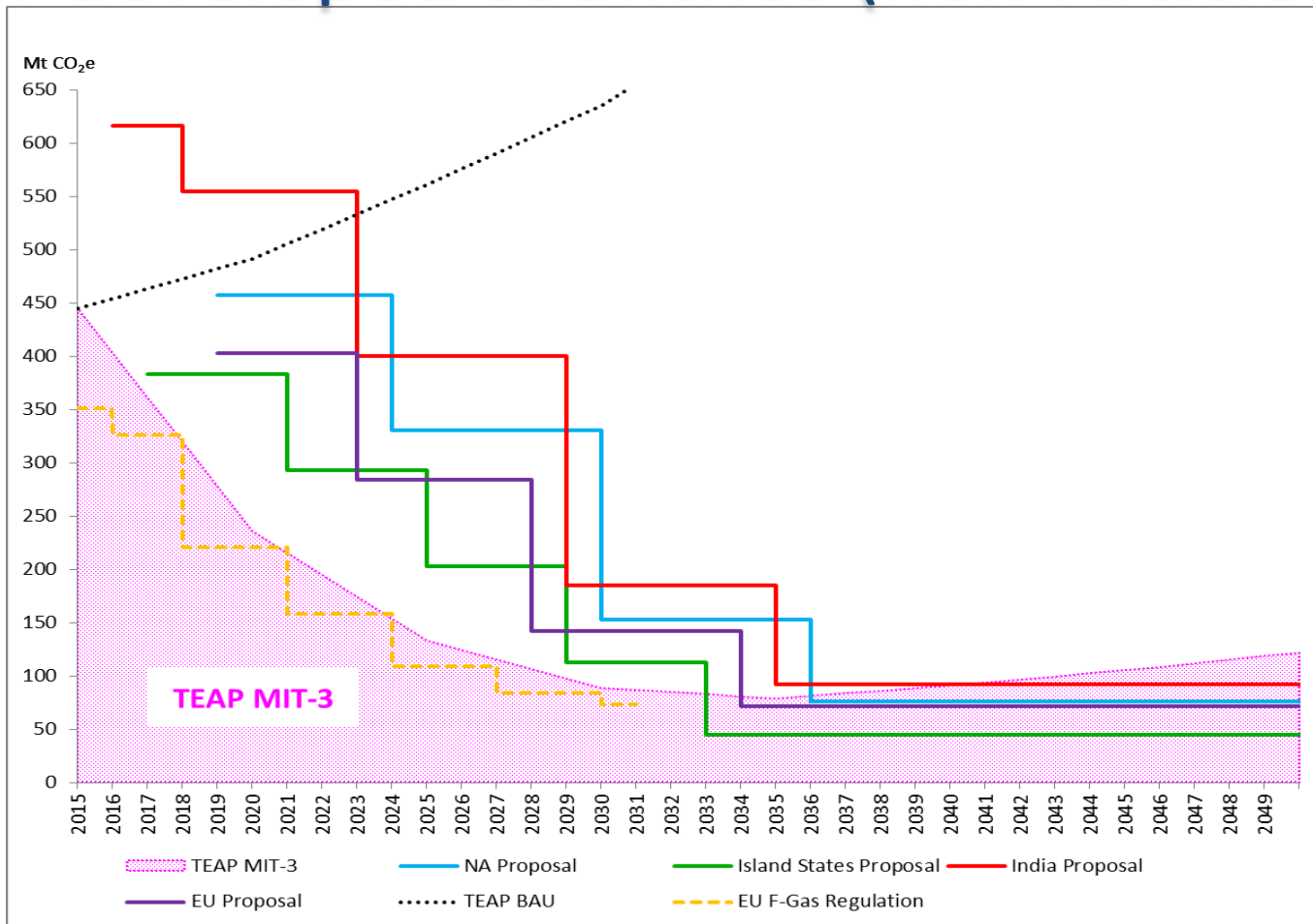
European Union HFC phase-down schedule



Baseline: average 2009-2012, in CO₂e tonnes

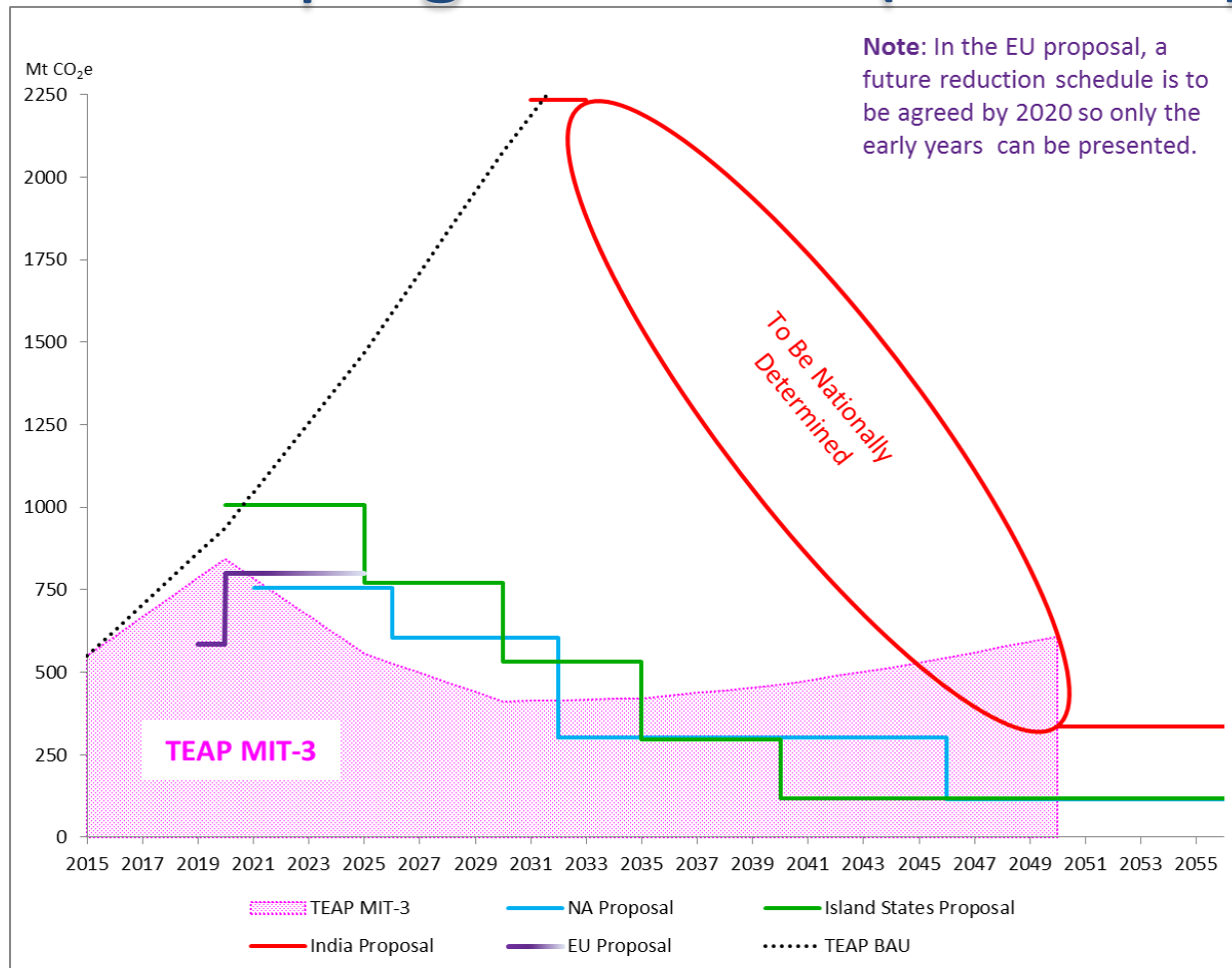
2016-17	93%	2024-26	31%
2018-20	63%	2027-29	24%
2021-23	45%	2030	21%

Proposed HFC phase-down schedules for developed countries (non-Article 5)



Comparison of phase-down proposals for non-A5 countries with TEAP mitigation scenarios

Proposed HFC phase-down schedules for developing countries (Article 5)



Comparison of phase-down proposals for A5 countries with TEAP mitigation scenario