

Nitric Acid Climate Action Group



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Why focus on Nitrous Oxide Emissions (N_2O) of HNO_3 Production?

- Nitric acid (HNO_3) is important raw material for fertilizer
- N_2O is unwanted by-product of nitric acid production with **GWP of 265**
- Straight forward approach because of sector characteristics



- Abatement technically **easy and comparably cheap**
- **Proven technology** (CDM / JI / EU-ETS)
- **High mitigation potential** (2021–2030 ~ 1,7 Gt global)

Goals and vision of NACAG

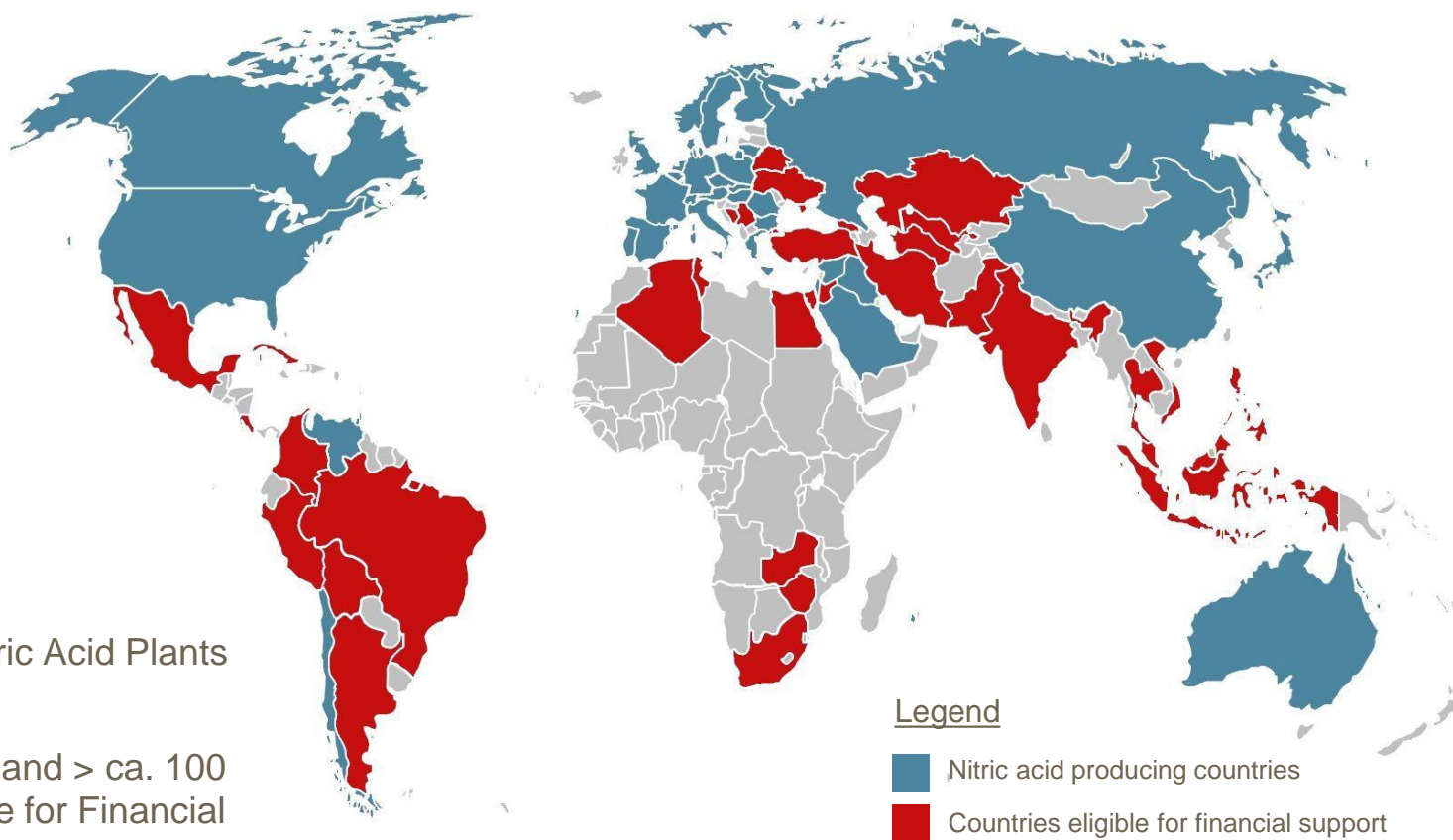
- We have the potential and the technology – we cannot afford not to harvest it!
- **Vision of NACAG:**
All Nitric Acid Plants worldwide use effective N₂O abatement technologies
- **Idea: Raising ambition through cooperation:** Start up finance – Later implementing country takes over responsibility

Background and How does it work?

- Global **Action Group** open for **partners and donors**
- Sectoral transformation through **Partner-Country-Commitment**
- Generated emission reductions will be **monitored and verified** and can be used as **to fulfill NDCs (no transfers)**
- Global mitigation potential 2020-2030 → **approx. 1,7 Gt CO₂eq**
- If successful, **approach can be transferred to other sectors**



Nitric Acid production: Global Overview



- App. 580 Nitric Acid Plants globally
- 30 countries and > ca. 100 plants eligible for Financial Support

Technical and financial offer for partner countries

To governments

01

Advice on N₂O abatement technologies

02

Advice on emission reduction policies in the nitric acid sector

03

Advice on MRV systems in the nitric acid sector

To producers

01

Advice on N₂O abatement technologies

02

Financing of abatement technology and emission monitoring equipment

03

Cover costs arising from the processes of Monitoring, Reporting and Verification

04

Training of factory personnel

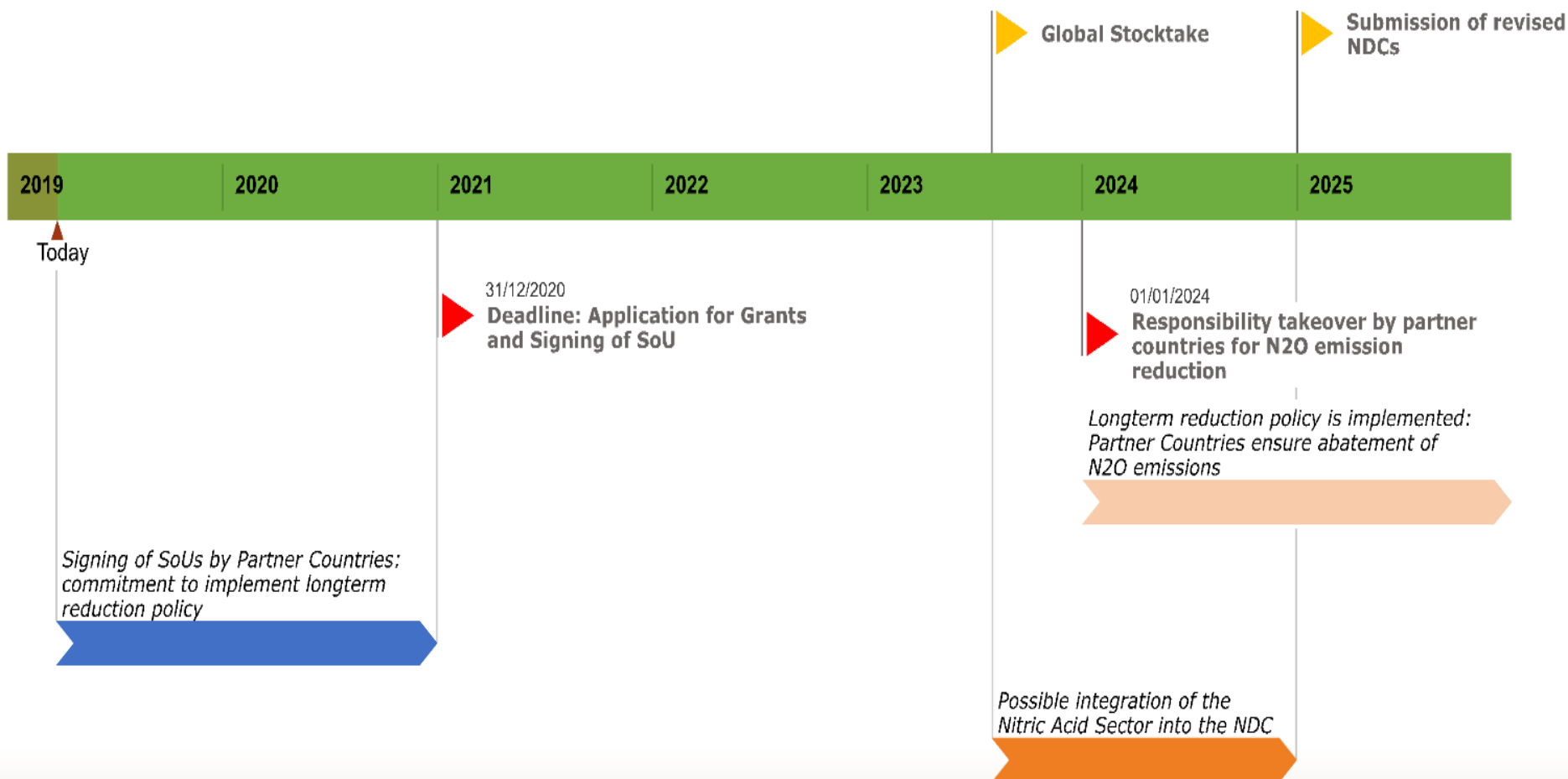
Joining the NACAG

**Signature of
NACAG
Declaration**

**Post-2023
Commitment
Signature**
(Statement of Undertaking)

- Implementation of regulation/incentive policies in the nitric acid sector
- Consideration of emission reductions for the achievement of NDCs
- Ensuring the functioning of the MRV structures put into operation

NACAG's NDC Action Plan



NACAG: Current status

- GIZ appointed as NACAG Secretariat for technical support and for implementation of **Grant Financing Facility**
- World Bank appointed to implement the **Nitric Acid Climate Auction Program (NACAP)**
- Declaration signed by **Argentina, Tunisia, Indonesia, Jordan, Mexico, Zimbabwe and Bosnia Herzegovina**; **Tunisia and Zimbabwe** have formally committed itself by signing the SoU
- Advanced exchange with numerous other countries (e.g. Egypt, Algeria, South Africa, Zambia, Cuba, Columbia, Thailand, Vietnam, Indonesia, India, China, Kazakhstan, Turkmenistan, Georgia etc.)

Thank you very much!



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www.nitricacidaction.org