

Call for zero-emission medium and heavy-duty vehicles: A Global Memorandum of Understanding

发展零排放中重型车辆：全球谅解备忘录

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Webinar Series on Commercial Vehicle ZEV Regulation

商用车低碳发展系列研讨会

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GLOBAL COMMERCIAL VEHICLE
DRIVE TO ZERO™

A CAMPAIGN OF THE CLEAN ENERGY MINISTERIAL

URGENT CALL FOR GLOBAL ZERO-EMISSION MHDV MOU

*MHDV: MEDIUM- AND HEAVY-DUTY VEHICLES



AUSTRIA



CANADA



CHILE



GERMANY



GREECE



NETHERLANDS



NORWAY



SWEDEN

Eight countries called on leading nations to jointly pursue global agreement on zero-emission MHDVs to meet Paris climate goals

8个发展较为领先的国家达成了国际协议，共同推动零排放中重型车辆的发展，从而实现巴黎协定的气候目标

Global MOU builds on commitments by California and other 15 U.S. states

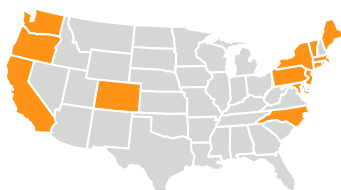
这份全球备忘录是在加州及美国另外15个州的承诺协定基础上形成的

CALIFORNIA
ACT RULE

加州先进清洁
卡车法规



15-U.S.
STATE MOU
美国15州备忘录



ALIGNED GLOBAL ZE-MHDV
TARGETS (“GLOBAL MOU”)

统一的全球零排放中重型车辆发展目标
（“全球备忘录”）



Why we need aligned ZE-MHDV targets

我们为什么需要统一的零排放中重型车辆发展目标

- Technology is ready but we need stronger signals from leading governments to industry.
- Countries need to raise climate ambitions ahead of COP-26 and ZE-MHDVs can contribute to emission reductions.
- Aligned targets will lay the foundation for strong policies and incentives.
- Aligned targets will advance technology innovation, generate clean technology jobs, improve energy security, deliver tangible climate benefits, and lower air pollution.
- 目前，已经具备相应的技术条件，但需要先进市场的政府部门向行业企业释放强有力的发展信号
- 在COP-26（第26届联合国气候变化大会）之前，各国需要提出更为激进的气候变化目标，零排放中重型车辆能够为污染物减排添砖助力
- 统一的发展目标能够为出台更强力的政策和鼓励机制奠定基础
- 统一的发展目标能够促进技术创新、创造与清洁技术相关的就业机会、提升能源安全、带来气候变化收益以及减少空气污染

Global MOU will align leading nations around ambitious ZE-MHDV targets. It will aim to set a baseline ambition for all countries while encouraging individual countries to raise ambition
全球备忘录为领先国家构建了一致的零排放中重型车辆发展目标，还将为所有国家提供一个基准发展目标，同时鼓励各国制定更为高远的目标

**BASELINE
AMBITION FOR
ALL COUNTRIES**

为所有国家提供
基准发展目标

2030

30% sales of new
ZE-MHDVs are zero
emissions
零排放中重型车辆销
量占比30%

**2040
2050**

100% sales of new ZE-
MHDVs are zero
emissions
零排放中重型车辆销量
占比100%

2050

Net-zero
emissions
实现净零排放

**HIGHER AMBITION
FOR INDIVIDUAL
COUNTRIES**

各国可以制定更为
高远的目标

**TBD
待定**

100% sales of new ZE-MHDVs are zero
emissions, possibly segmented by vehicle type
or application.
零排放中重型车辆销量占比100%，可按车型制定
分类发展目标

Global MOU will go beyond targets, and will establish a process to support countries to develop action plans for how they will meet the targets, and monitor progress through robust, consistent, and transparent data reporting

全球备忘录不仅仅是制定发展目标，还会制定行动计划，支持各国实现既定目标，并通过严格、持续、透明的数据报告制度来开展监督



Action Plan
行动计划



Data Reporting
数据报告



Policy ecosystem
政策生态体系

- Regulations 管理
- Incentives 鼓励机制
- Investments 投资



Targets
目标

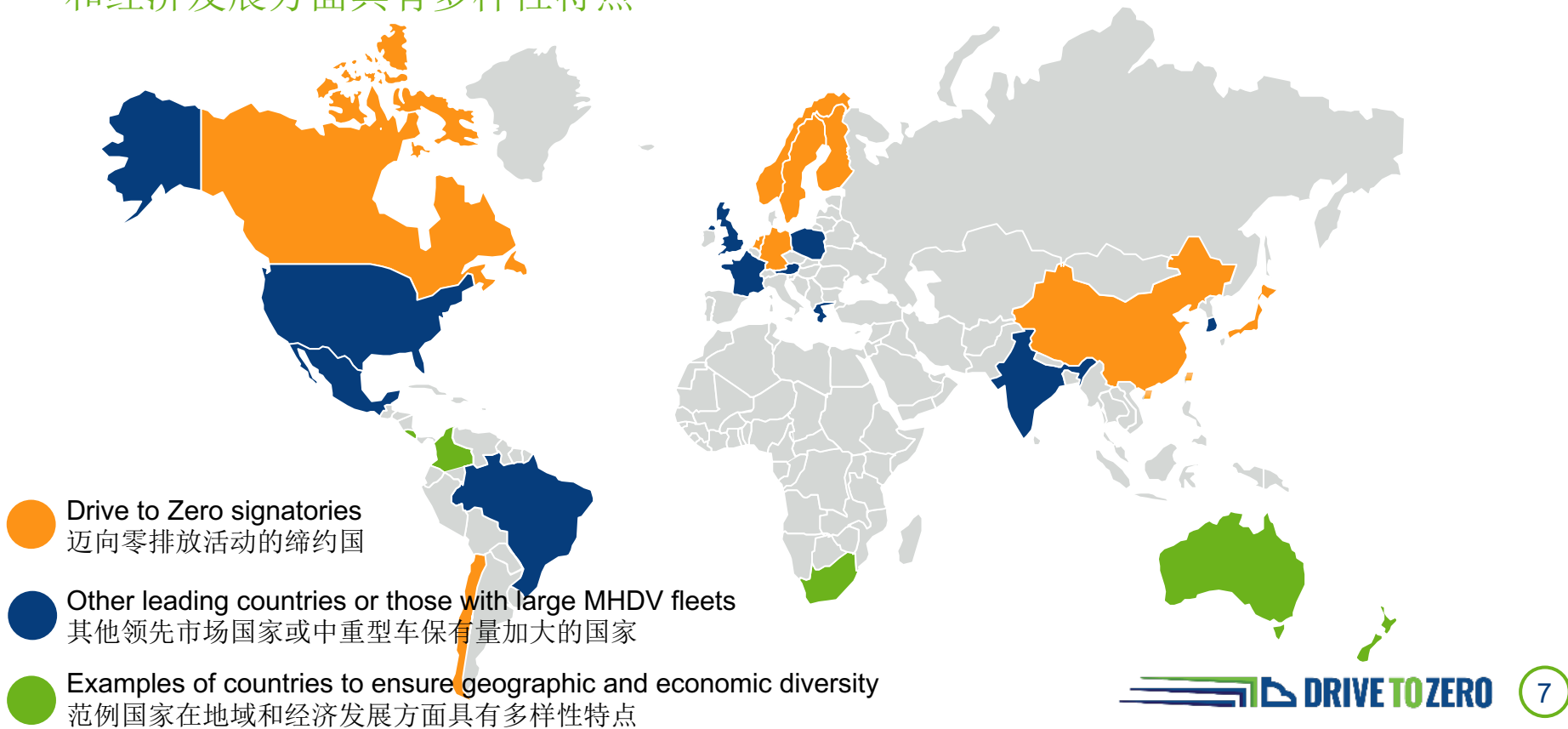


Forum to report progress and exchange lessons
报告进展和交换经验的论坛活动



We are engaging with leading countries, those with the largest MHDV fleets while ensuring geographic and economic diversity

我们与多个领先国家开展协作，这些国家都拥有大规模中重型车队，并且在地域和经济发展方面具有多样性特点



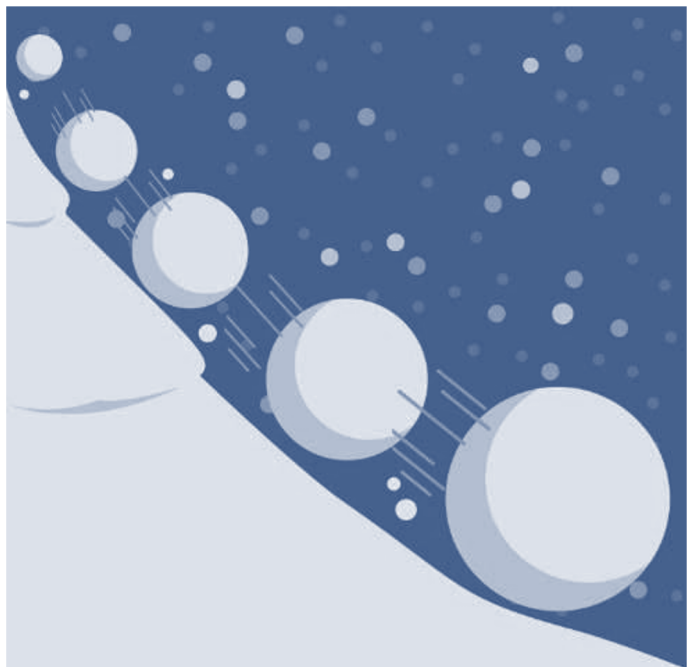
Timeline to COP-26 and beyond

COP-26及之后的发展时间线



Preliminary country endorsement can create a snowball effect and encourage more countries to join MOU

早期国家的认可和宣传能够带来滚雪球效应，从而鼓励更多的国家加入备忘录



Initial country engagement will be more effective if leading countries voice their support to aligned ZE-MHDV targets through a Global MOU

如果领先国家表示将通过全球备忘录来支持统一的零排放中重型车辆发展目标，那么早期国家的参与将变得更加有效

There'll be a big push for stronger commitments and parallel engagement with other stakeholders will be conducted by partner organizations
 将大力推动更强有力的承诺目标，同时由我们的伙伴机构与其他政府部门和企业进行协作

ZEFV ACTion Group ZEFV行动工作组



Stakeholder 有关部门	Organizations involved (not exclusive list) 相关机构（非独家）
National governments 国家政府	CALSTART, ICCT
Sub-national governments and cities 地方和城市政府	C40, CALSTART, ICCT
Manufacturers 生产企业	CALSTART, ICCT
Fleets 车队	Climate Group（气候工作组）, CALSTART, Smart Freight Centre（智慧货运中心）
Financial institutions and investors 财税部门和投资方	WEF
Infrastructure providers 基础设施供应商	TBD 待定

Government and industry leaders are signaling a future of 100% zero-emission commercial vehicles to enable net-zero emissions by 2050

政府与行业领军企业释放出未来的发展信号，将实现商用车100%零排放，到2020年实现净零排放



2030
15 U.S. states
30% ZE-MHDV sales
美国15州零排放中重型车销量占比30%

2035
California
100% ZE-MHDV sales
加州，零排放中重型车销量占比100%

Scania (Europe)
50% ZE-MDV sales
斯堪尼亚（欧洲）零排放中重型车销量占比50%

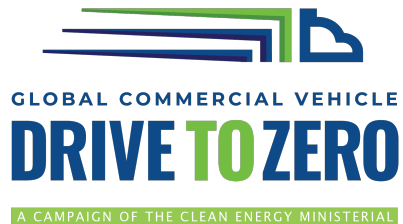
2040
ACEA, Scania, Daimler (2039), Volvo, CNH, MAN, DAF, Ford
100% fossil-free sales
欧洲汽车工业协会、斯堪尼亚、戴姆勒（2039年）、沃尔沃、CNH、曼恩、福特将实现100%无化石燃料产品销售

2045
Eight nations calling for 100% ZE-MHDV sales (2040-2050)
8个国家计划实现零排放中重型车销量占比100% (2040-2050)

2050
15 U.S. states
100% ZE-MHDV sales
美国15州零排放中重型车销量占比100%

Drive to Zero is convening nations to commit to Global MOU
迈向零排放行动主要是召集各国承诺加入全球备忘录





Thank you!
谢谢!

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@TeamDriveToZero