

AVIATION CO₂ REDUCTIONS



STOCKTAKING SEMINAR

TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS



High-level roundtable: roadmaps towards zero emissions

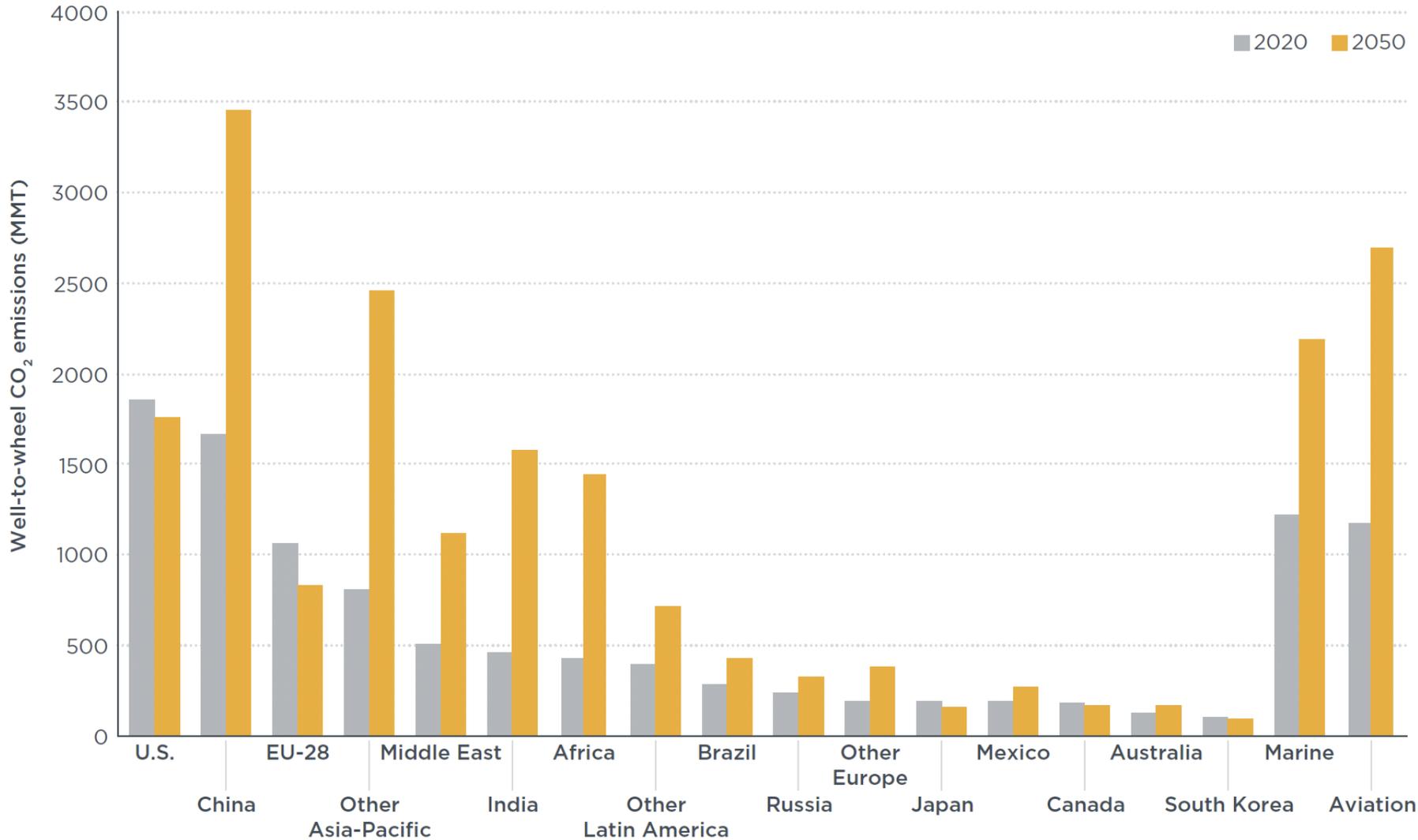
Drew Kodjak,

Executive Director – International Council
on Clean Transportation (ICCT)



Airlines are a large and growing share of the transport sector's climate impact.

Transportation CO₂ emissions by region, with aviation and marine sectors, in 2020 and 2050

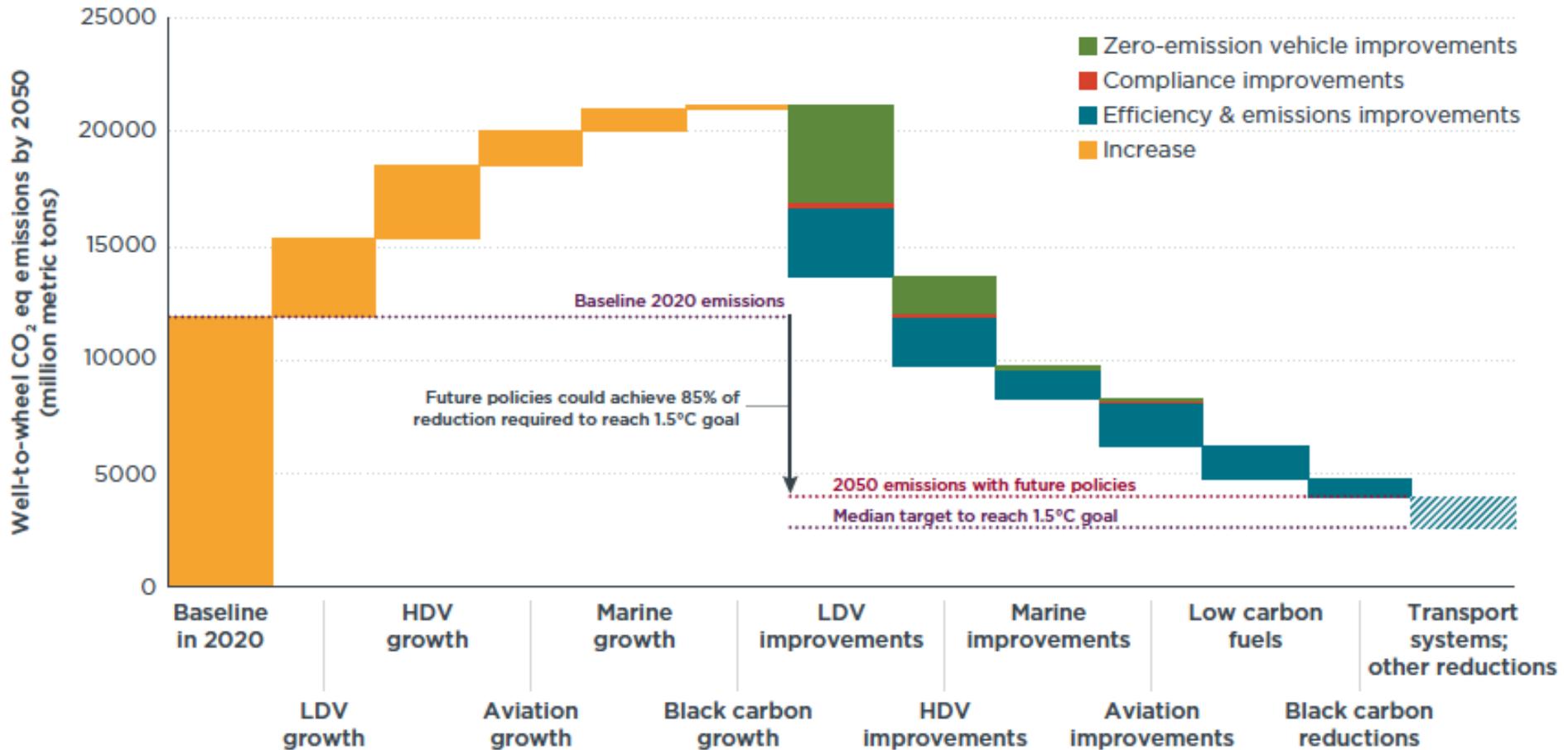


Source: ICCT, forthcoming.

Lower carbon aircraft and fuels will be key to decarbonizing transport.

Baseline CO₂ equivalent emissions and mitigation potential in 2050 by major transportation segment

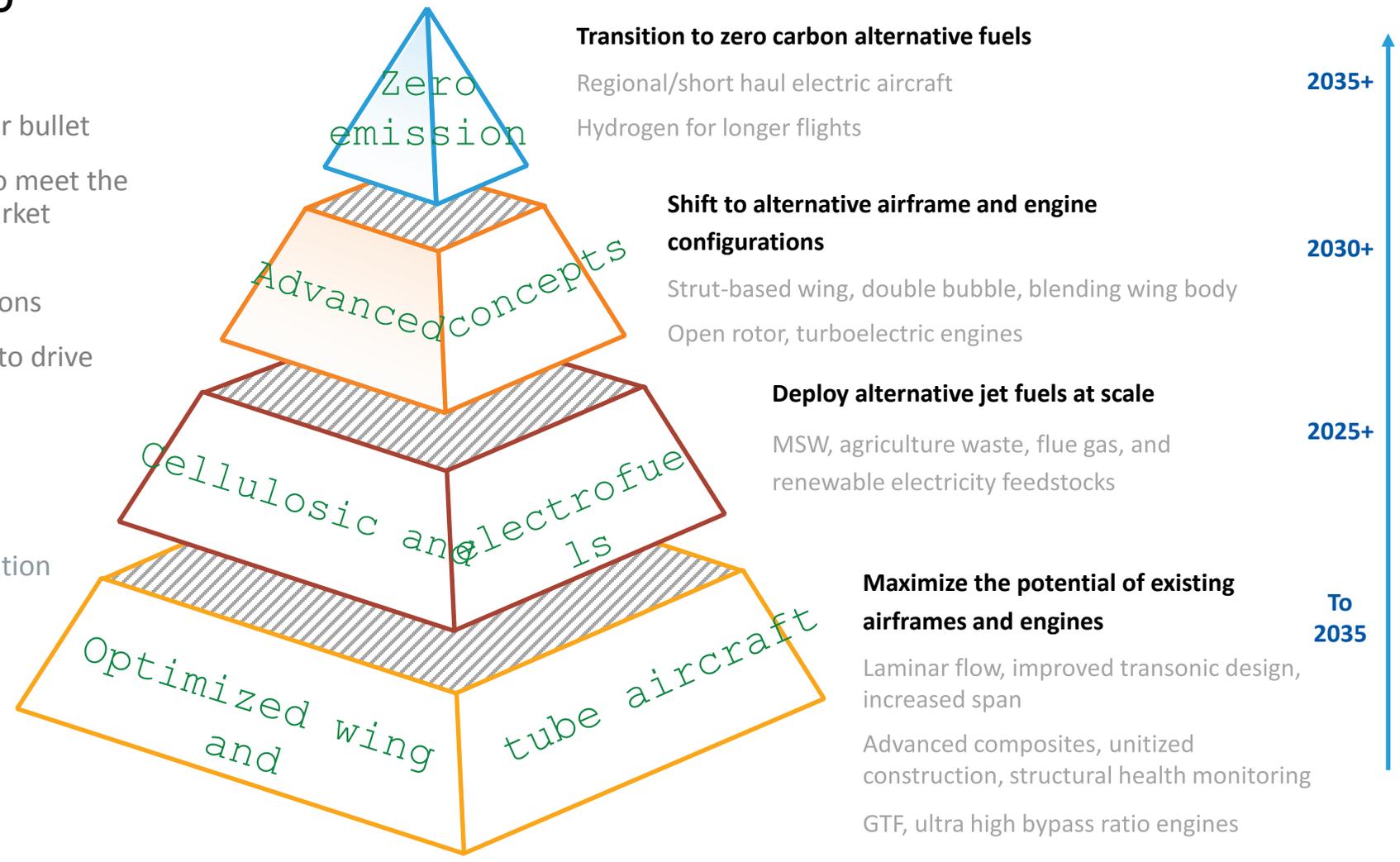
SUMMARY OF THE AMBITIOUS YET FEASIBLE SCENARIO



Source: ICCT, forthcoming.

Steps toward zero emission aviation

- Silver buckshot, not silver bullet
- Technologies will need to meet the demands of different market segments
- Expect steps and transitions
- Suite of policies needed to drive the transition
 1. Standards
 2. Incentives
 3. R&D support
 4. Consumer mobilization



Thank You



ICAO
Headquarters
Montréal

European and
North Atlantic
(EUR/NAT) Office
Paris

Asia and Pacific
(APAC) Sub-office
Beijing

Middle East
(MID) Office
Cairo

Western and
Central African
(WACAF) Office
Dakar

North American
Central American
and Caribbean
(NACC) Office
Mexico City

Asia and Pacific
(APAC) Office
Bangkok

South American
(SAM) Office
Lima

Eastern and
Southern African
(ESAF) Office
Nairobi