NETWORK MATURITY
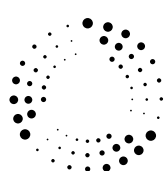

GLOBAL BENCHMARK

FOCUS: A321neo, 737-8 MAX, A220-300, 787-9, A350-900 & ATR72
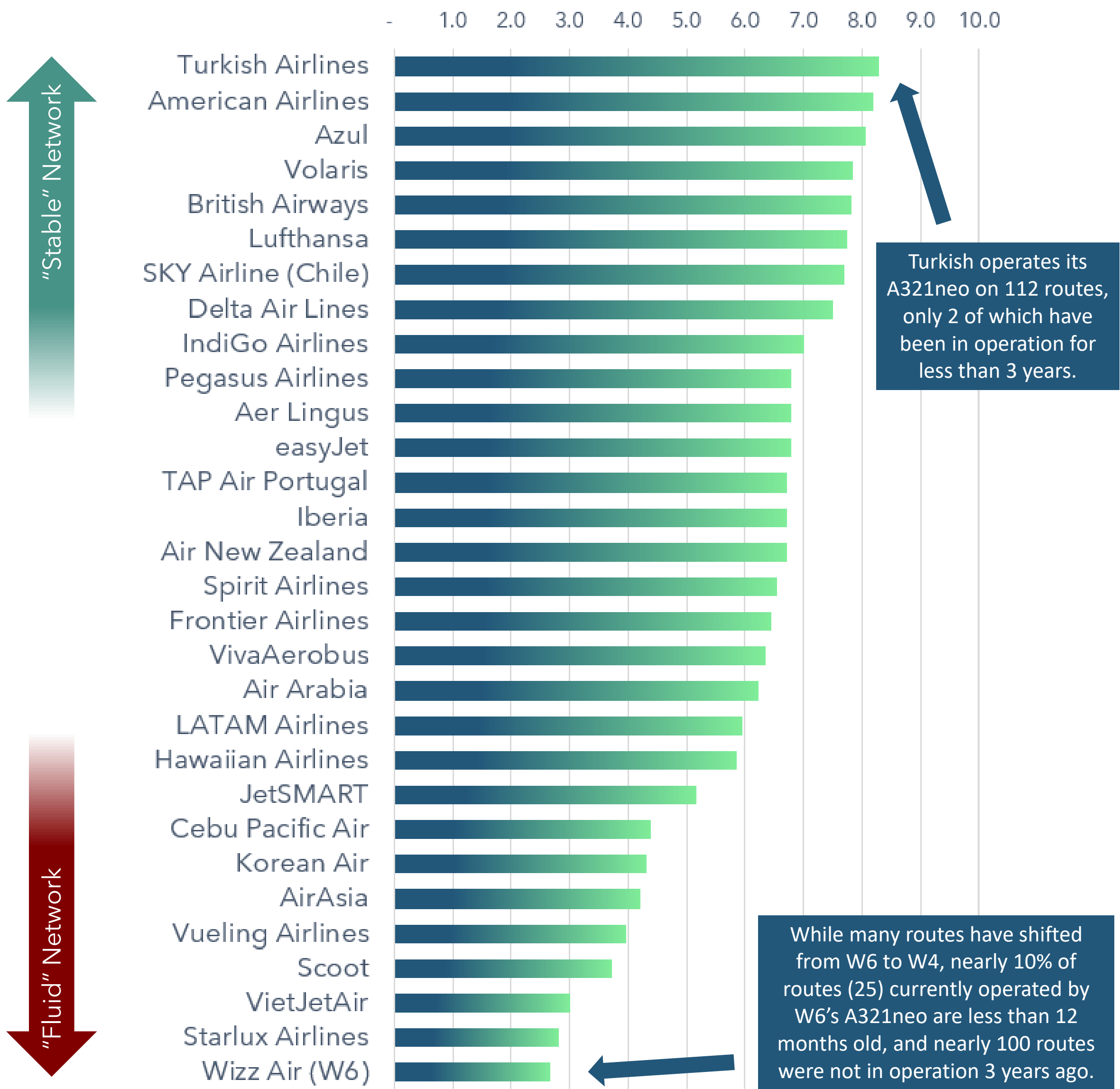
AvBench
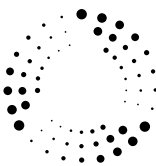
June 2024

NETWORK MATURITY
A321neo

"Stable" Network →

"Fluid" Network ↓

Airline	Value
Turkish Airlines	8.3
American Airlines	8.2
Azul	8.1
Volaris	7.9
British Airways	7.9
Lufthansa	7.8
SKY Airline (Chile)	7.7
Delta Air Lines	7.5
IndiGo Airlines	7.0
Pegasus Airlines	6.9
Aer Lingus	6.9
easyJet	6.9
TAP Air Portugal	6.8
Iberia	6.8
Air New Zealand	6.8
Spirit Airlines	6.6
Frontier Airlines	6.5
VivaAerobus	6.4
Air Arabia	6.2
LATAM Airlines	5.9
Hawaiian Airlines	5.9
JetSMART	5.2
Cebu Pacific Air	4.4
Korean Air	4.3
AirAsia	4.2
Vueling Airlines	4.0
Scoot	3.7
VietJetAir	3.1
Starlux Airlines	2.9
Wizz Air (W6)	2.8

> Turkish operates its A321neo on 112 routes, only 2 of which have been in operation for less than 3 years.

> While many routes have shifted from W6 to W4, nearly 10% of routes (25) currently operated by W6's A321neo are less than 12 months old, and nearly 100 routes were not in operation 3 years ago.
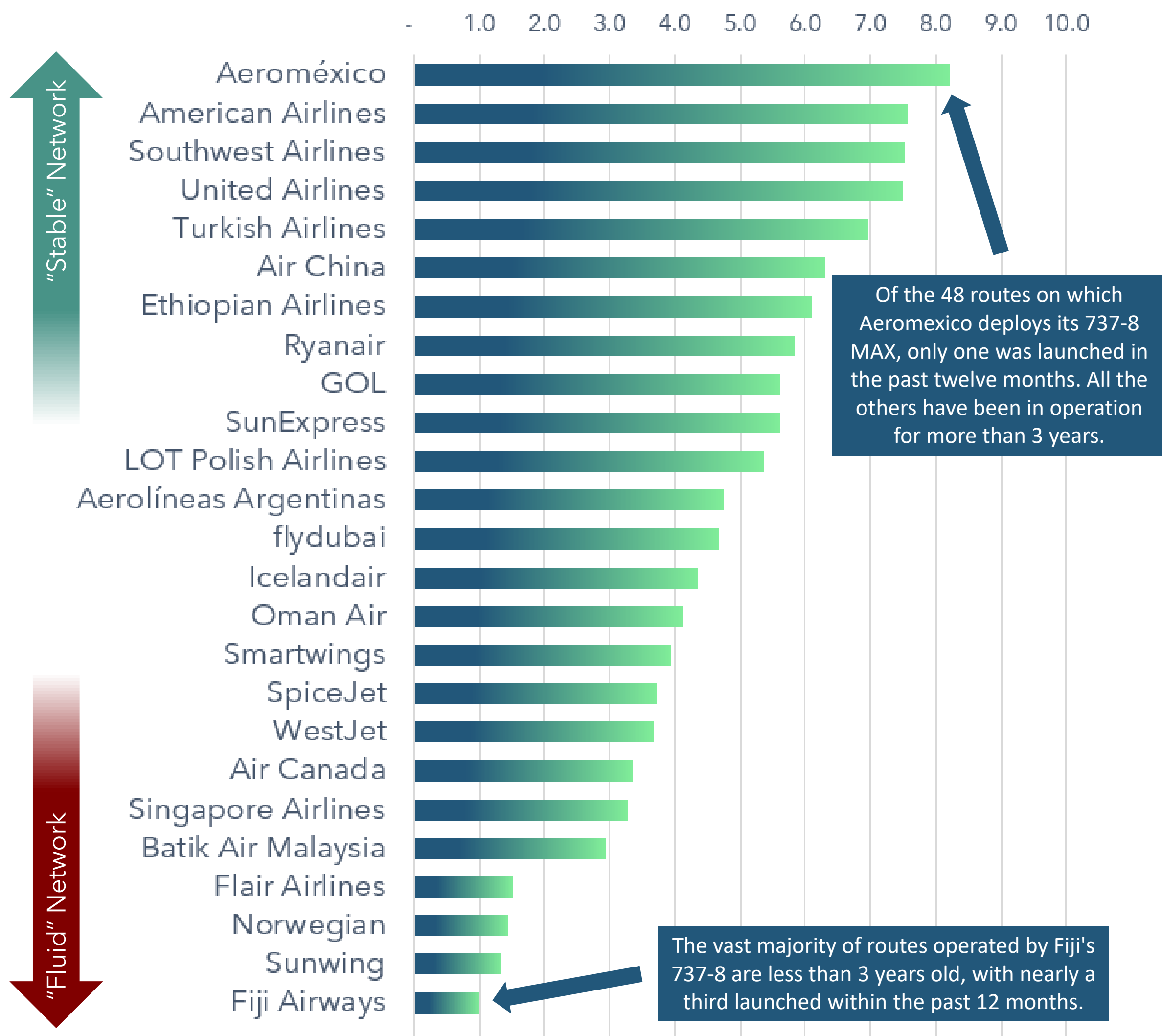
"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
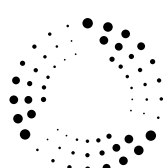
AvBench

NETWORK MATURITY
737-8 MAX

"Stable" Network

"Fluid" Network

Airline	Value (approx.)
Aeroméxico	8.2
American Airlines	7.5
Southwest Airlines	7.5
United Airlines	7.5
Turkish Airlines	6.9
Air China	6.3
Ethiopian Airlines	6.1
Ryanair	5.8
GOL	5.6
SunExpress	5.6
LOT Polish Airlines	5.3
Aerolíneas Argentinas	4.7
flydubai	4.6
Icelandair	4.3
Oman Air	4.1
Smartwings	3.9
SpiceJet	3.7
WestJet	3.6
Air Canada	3.3
Singapore Airlines	3.2
Batik Air Malaysia	2.9
Flair Airlines	1.5
Norwegian	1.4
Sunwing	1.3
Fiji Airways	1.0

Of the 48 routes on which Aeromexico deploys its 737-8 MAX, only one was launched in the past twelve months. All the others have been in operation for more than 3 years.

The vast majority of routes operated by Fiji's 737-8 are less than 3 years old, with nearly a third launched within the past 12 months.

"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
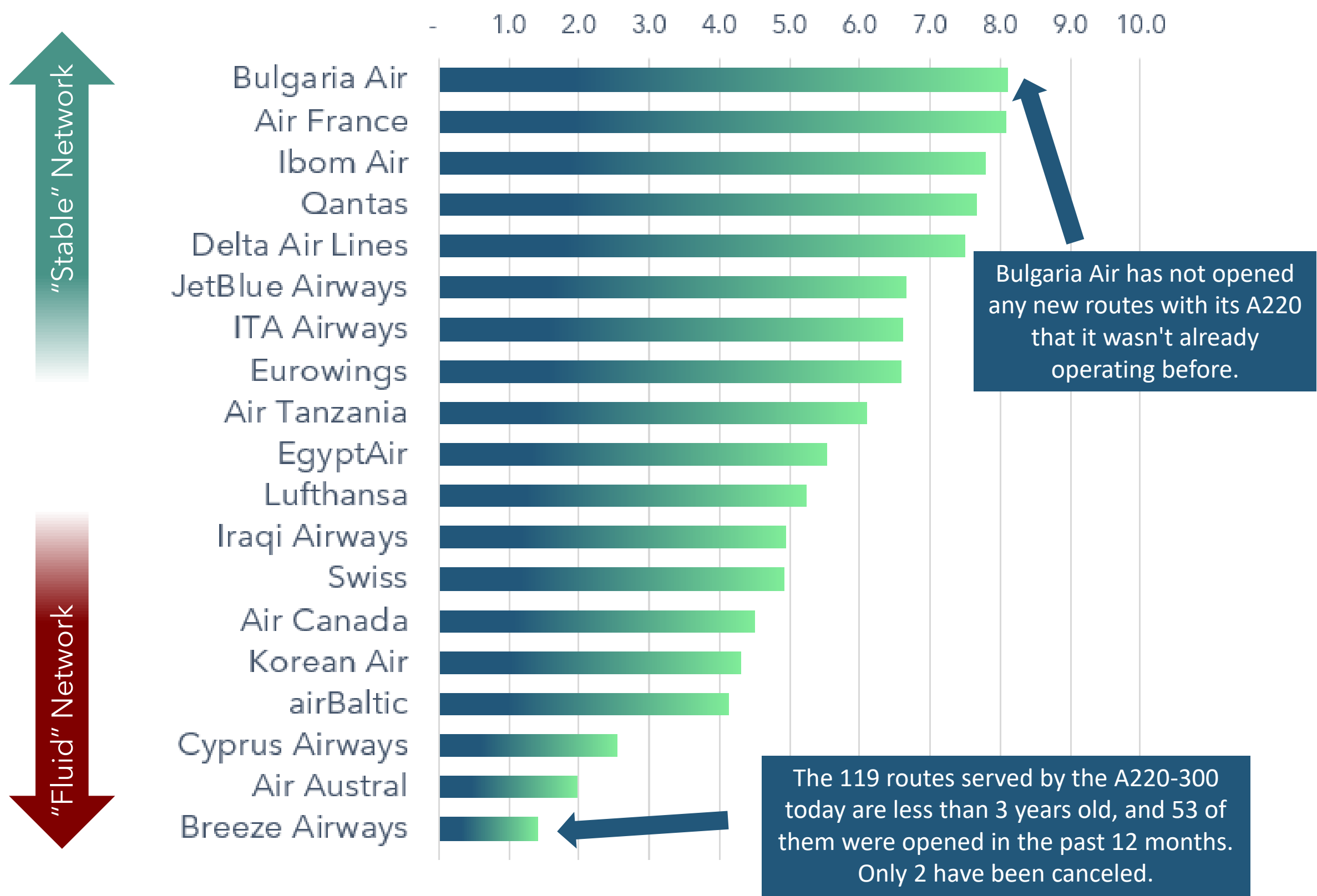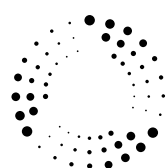
AvBench

NETWORK MATURITY

A220-300

"Stable" Network

"Fluid" Network

Bulgaria Air	
Air France	
Ibom Air	
Qantas	
Delta Air Lines	
JetBlue Airways	
ITA Airways	
Eurowings	
Air Tanzania	
EgyptAir	
Lufthansa	
Iraqi Airways	
Swiss	
Air Canada	
Korean Air	
airBaltic	
Cyprus Airways	
Air Austral	
Breeze Airways	

Bulgaria Air has not opened any new routes with its A220 that it wasn't already operating before.

The 119 routes served by the A220-300 today are less than 3 years old, and 53 of them were opened in the past 12 months. Only 2 have been canceled.
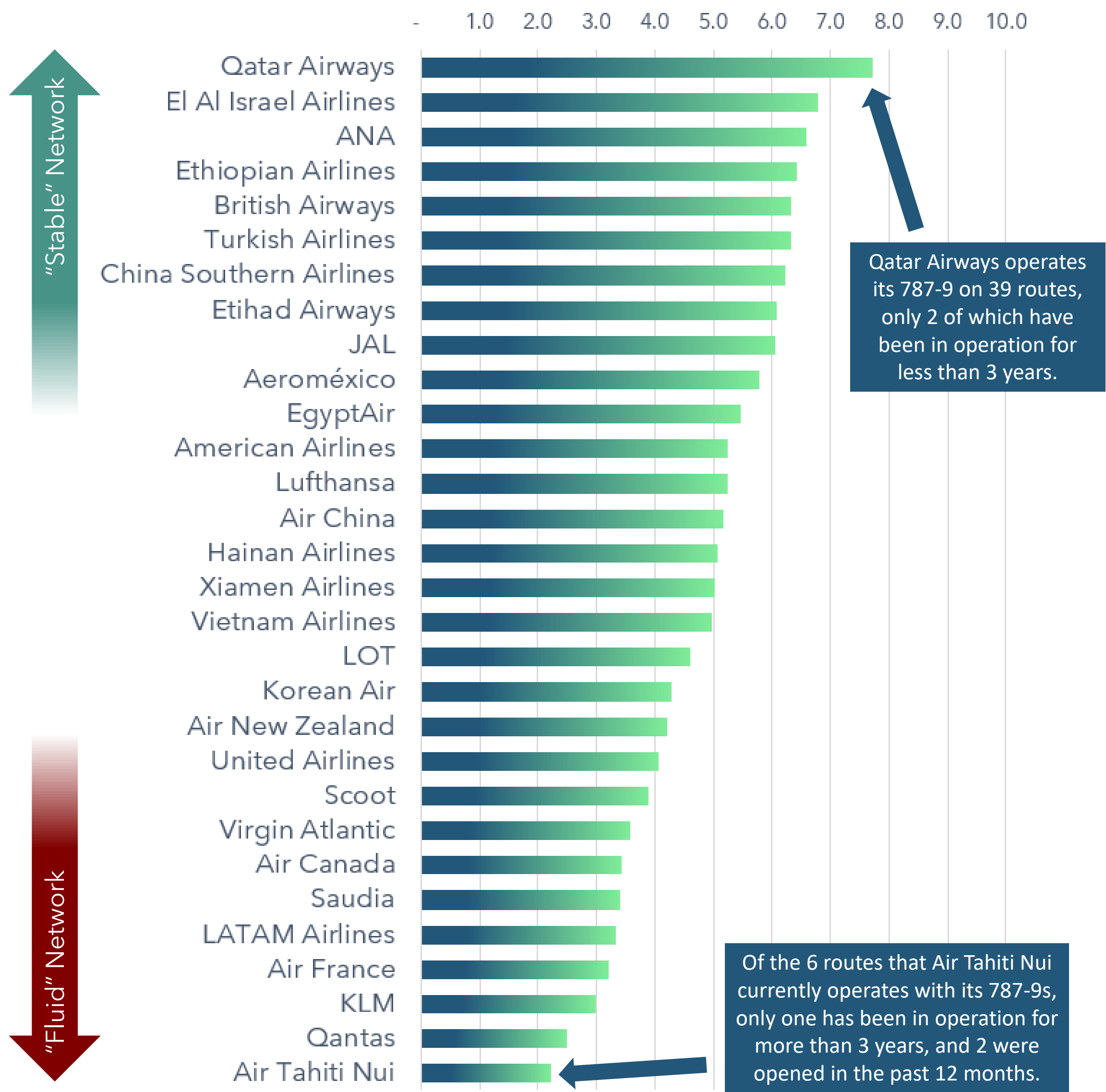
"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
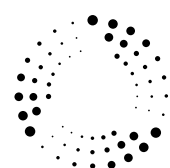
AvBench

NETWORK MATURITY

787-9

Scale: - 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

"Stable" Network ↑

- Qatar Airways
- El Al Israel Airlines
- ANA
- Ethiopian Airlines
- British Airways
- Turkish Airlines
- China Southern Airlines
- Etihad Airways
- JAL
- Aeroméxico
- EgyptAir
- American Airlines
- Lufthansa
- Air China
- Hainan Airlines
- Xiamen Airlines
- Vietnam Airlines
- LOT
- Korean Air
- Air New Zealand
- United Airlines
- Scoot
- Virgin Atlantic
- Air Canada
- Saudia
- LATAM Airlines
- Air France
- KLM
- Qantas
- Air Tahiti Nui

"Fluid" Network ↓

> Qatar Airways operates its 787-9 on 39 routes, only 2 of which have been in operation for less than 3 years.

> Of the 6 routes that Air Tahiti Nui currently operates with its 787-9s, only one has been in operation for more than 3 years, and 2 were opened in the past 12 months.
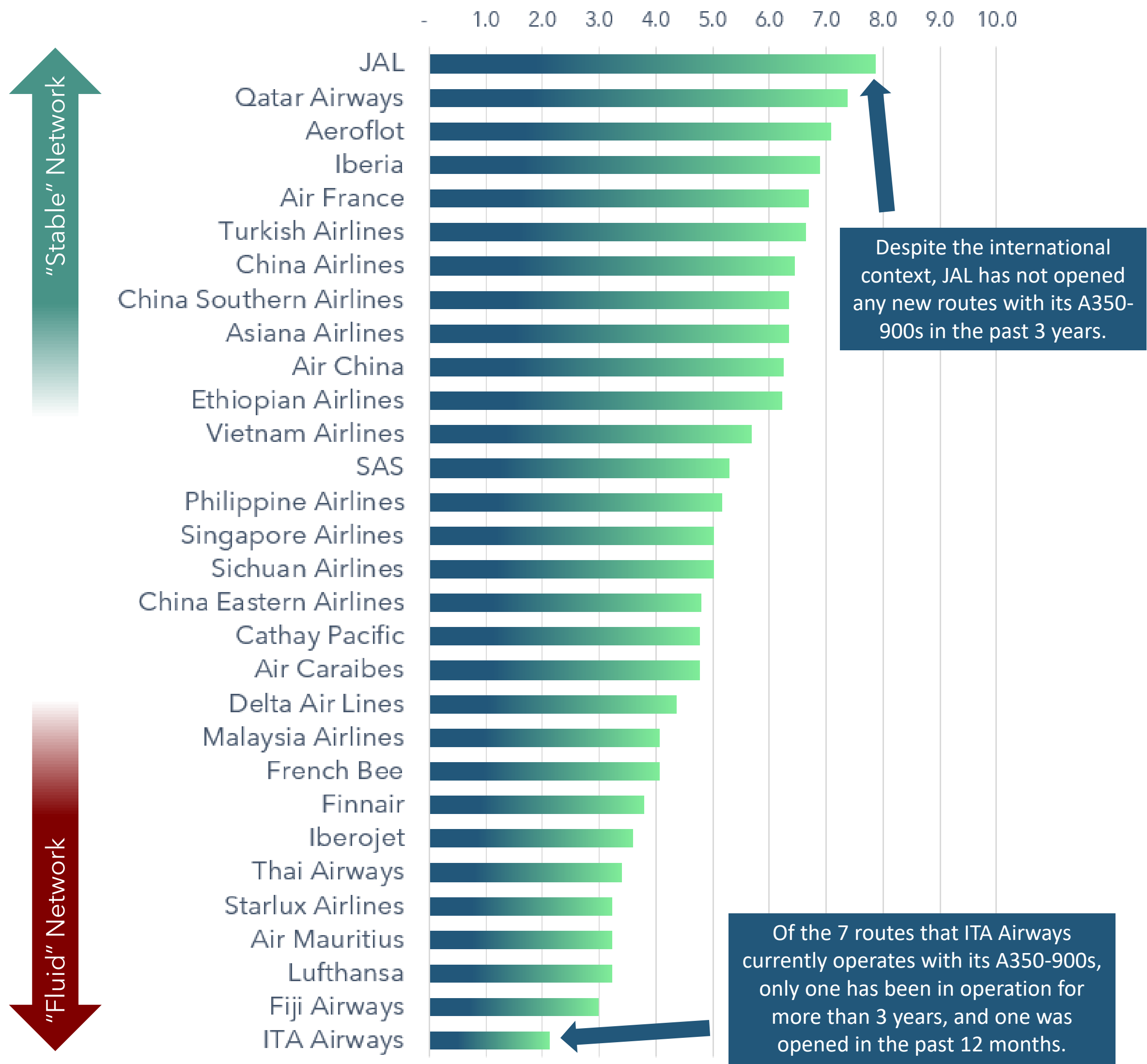
"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
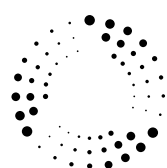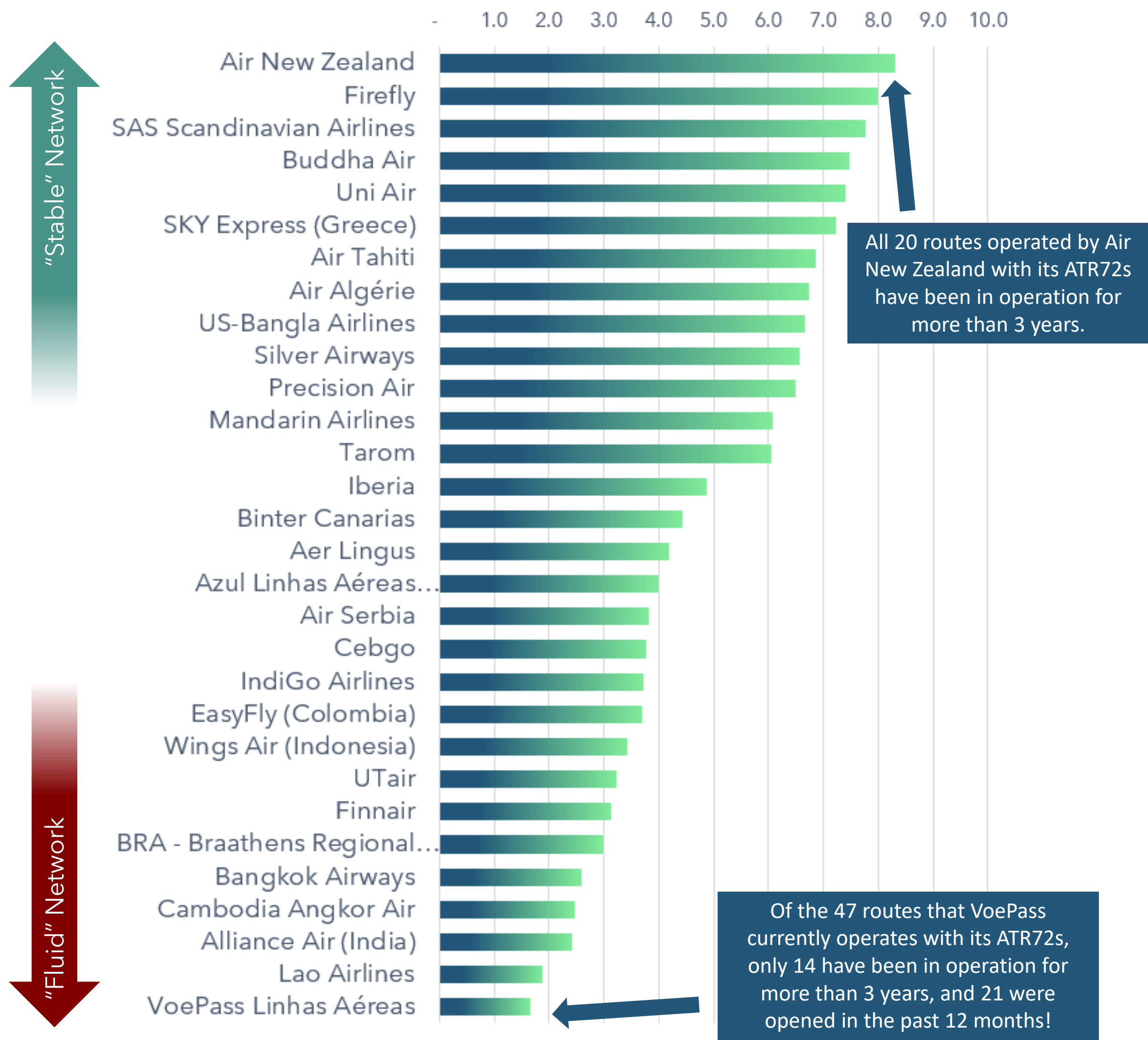
AvBench

NETWORK MATURITY

A350-900

"Stable" Network

"Fluid" Network

JAL	
Qatar Airways	
Aeroflot	
Iberia	
Air France	
Turkish Airlines	
China Airlines	
China Southern Airlines	
Asiana Airlines	
Air China	
Ethiopian Airlines	
Vietnam Airlines	
SAS	
Philippine Airlines	
Singapore Airlines	
Sichuan Airlines	
China Eastern Airlines	
Cathay Pacific	
Air Caraibes	
Delta Air Lines	
Malaysia Airlines	
French Bee	
Finnair	
Iberojet	
Thai Airways	
Starlux Airlines	
Air Mauritius	
Lufthansa	
Fiji Airways	
ITA Airways	

Despite the international context, JAL has not opened any new routes with its A350-900s in the past 3 years.

Of the 7 routes that ITA Airways currently operates with its A350-900s, only one has been in operation for more than 3 years, and one was opened in the past 12 months.

"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
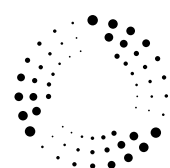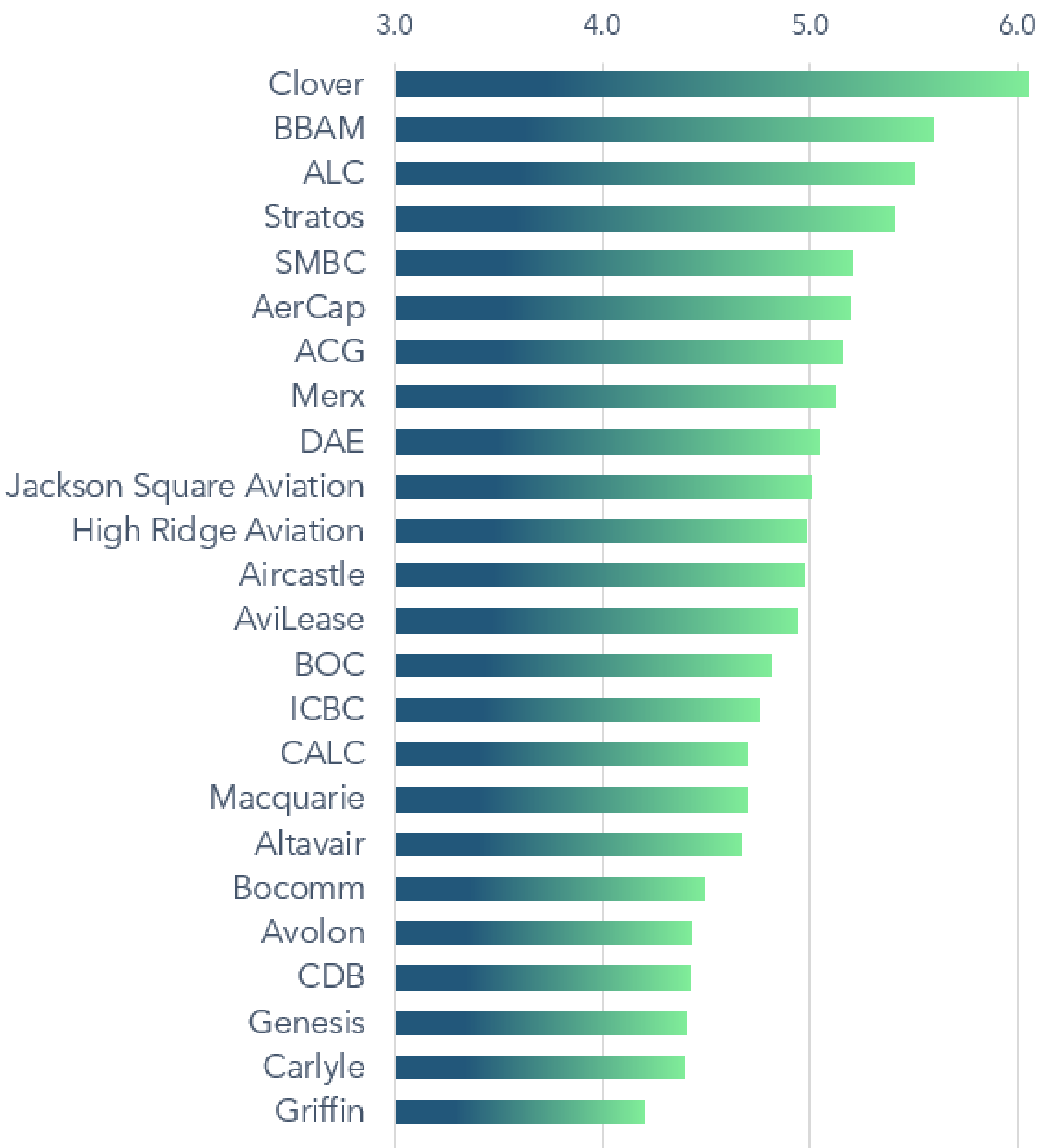
AvBench

June 2024
Source: Milanamos & ch-aviation

NETWORK MATURITY
ATR72

"Stable" Network

"Fluid" Network

Airline	Value
Air New Zealand	8.3
Firefly	8.0
SAS Scandinavian Airlines	7.8
Buddha Air	7.5
Uni Air	7.4
SKY Express (Greece)	7.2
Air Tahiti	6.9
Air Algérie	6.8
US-Bangla Airlines	6.7
Silver Airways	6.6
Precision Air	6.5
Mandarin Airlines	6.1
Tarom	6.0
Iberia	4.9
Binter Canarias	4.4
Aer Lingus	4.2
Azul Linhas Aéreas…	4.0
Air Serbia	3.8
Cebgo	3.8
IndiGo Airlines	3.7
EasyFly (Colombia)	3.7
Wings Air (Indonesia)	3.4
UTair	3.2
Finnair	3.1
BRA - Braathens Regional…	3.0
Bangkok Airways	2.6
Cambodia Angkor Air	2.5
Alliance Air (India)	2.5
Lao Airlines	1.9
VoePass Linhas Aéreas	1.8

All 20 routes operated by Air New Zealand with its ATR72s have been in operation for more than 3 years.

Of the 47 routes that VoePass currently operates with its ATR72s, only 14 have been in operation for more than 3 years, and 21 were opened in the past 12 months!

"Stable" Network: a mature network, with the majority of routes opened for more than 3 years.
"Fluid" Network: a young and dynamic network, with a high proportion of routes opened within the last 3 years, or even within the past 12 months.
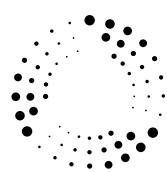
AvBench

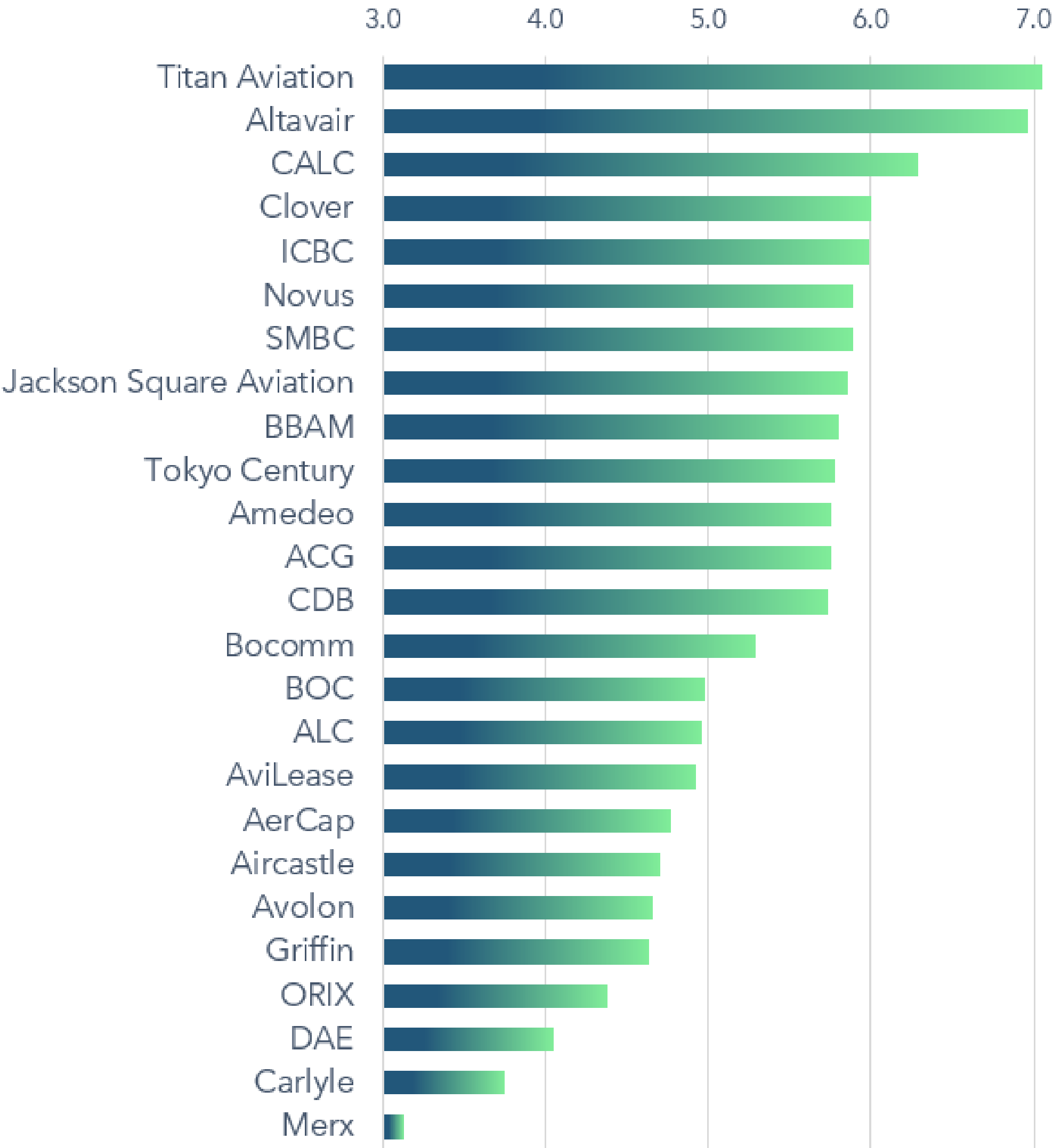# NETWORK MATURITY
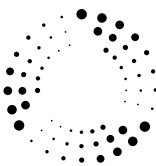## *LESSORS' NARROWBODY PORTFOLIO*

Weighted average based on the number of aircraft

AvBench

NETWORK MATURITY
LESSORS' WIDEBODY PORTFOLIO

	3.0	4.0	5.0	6.0	7.0
Titan Aviation					
Altavair					
CALC					
Clover					
ICBC					
Novus					
SMBC					
Jackson Square Aviation					
BBAM					
Tokyo Century					
Amedeo					
ACG					
CDB					
Bocomm					
BOC					
ALC					
AviLease					
AerCap					
Aircastle					
Avolon					
Griffin					
ORIX					
DAE					
Carlyle					
Merx					

Weighted average based on the number of aircraft

AvBench

Network Maturity

Airline networks are analyzed to categorize routes into the following groups: routes canceled in the past 12 months, routes launched within the last 12 months, routes opened less than 3 years ago, and routes that have been operational for more than 3 years. For a route to be classified as new or canceled, it must not be operated by any other aircraft type in the fleet. A mathematical function then converts this classification into a score ranging from 0 to 10, based on benchmark data from over 1,500 airline/aircraft combinations worldwide.

A score of 5 signifies an average level of network maturity, while a higher score indicates a more mature and stable network.

AvBench

Understand why and how each aircraft contributes
to the operational and commercial success of an airline

30+ commercial and operational metrics
to explain ahead of time the airline's financial performance
and the role of each asset.

For more information, visit www.avbench.com or email us at info@avbench.com.