

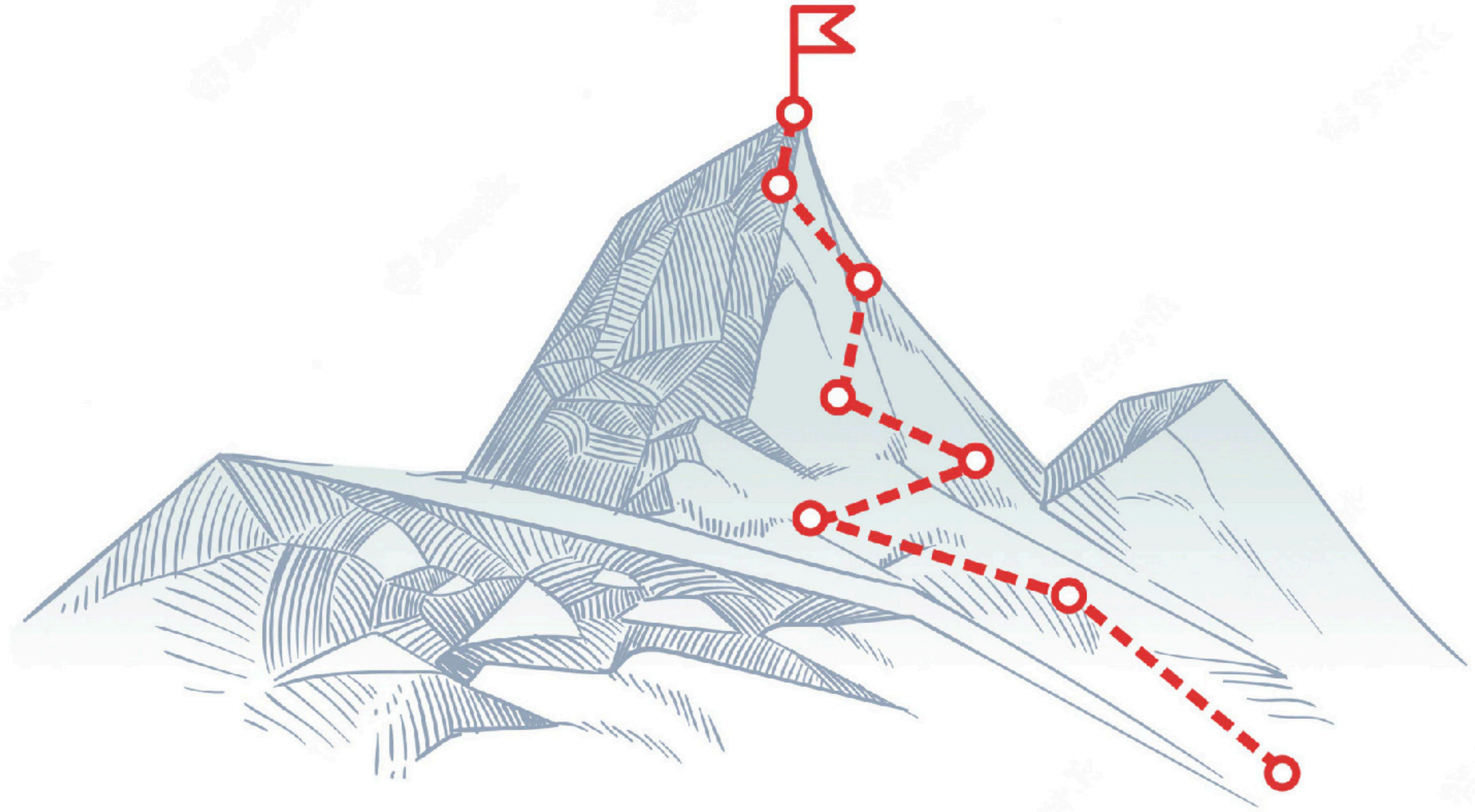


**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE

# IPv6 - Arab Countries Stats

## RIPE NCC Service Region

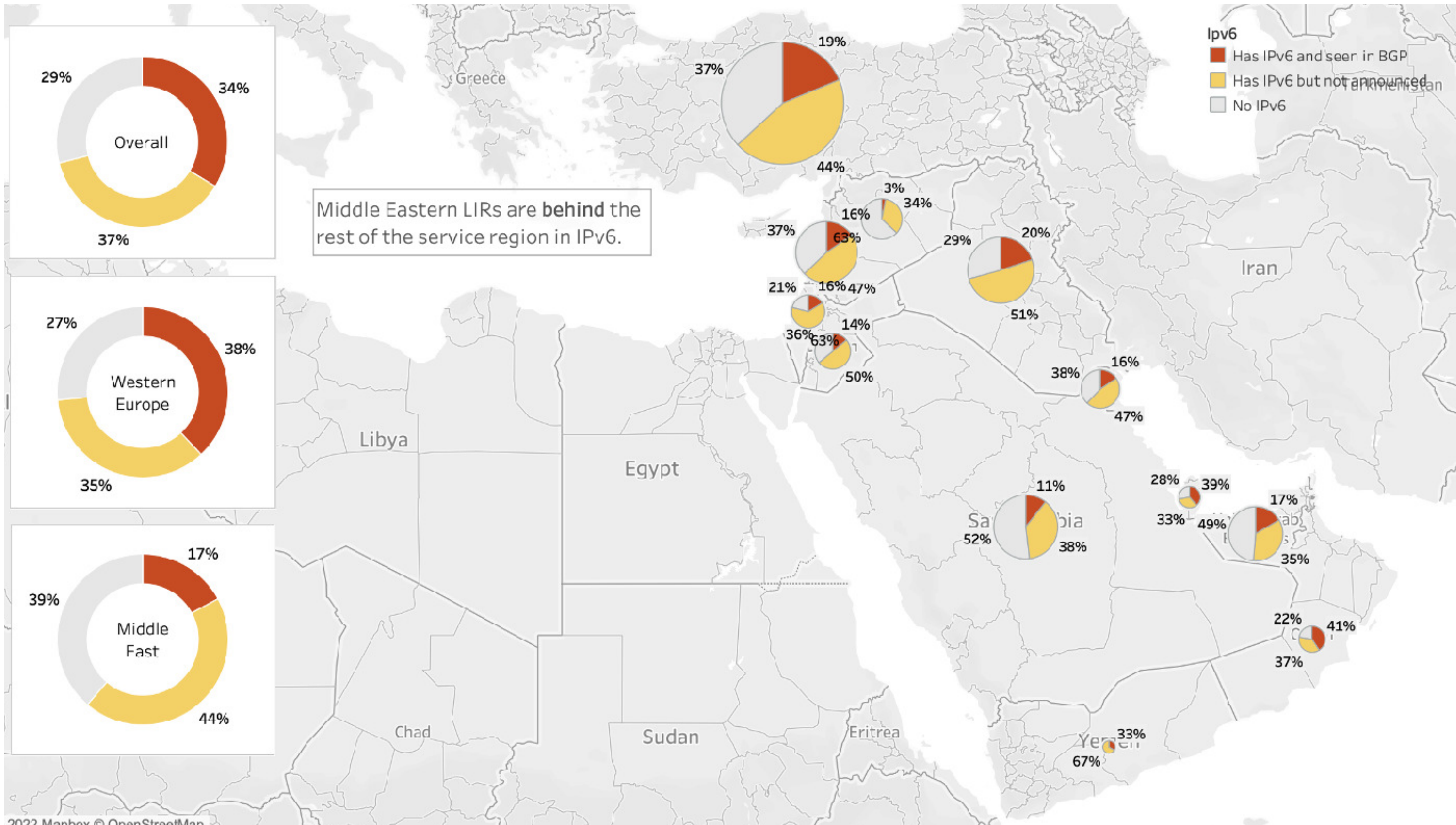
Chafic Chaya | 9 May 2023 | IPv6 Inter-regional Summit





# LIRs IPv6 Stats

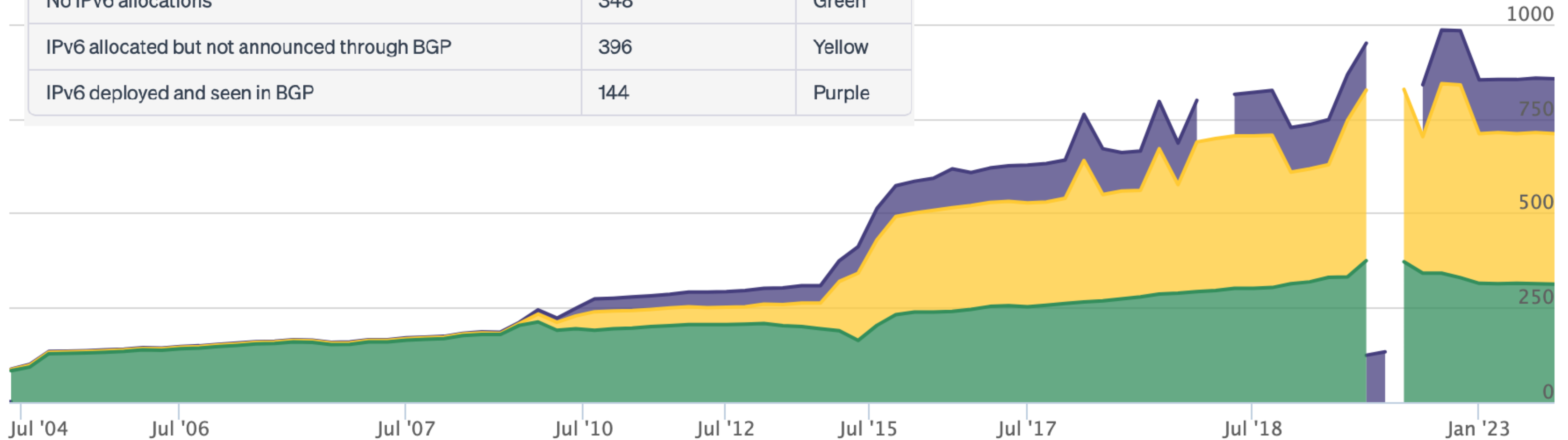
# IPv6 Allocations and Announcements



# LIRs IPv6 Allocations and Announcements

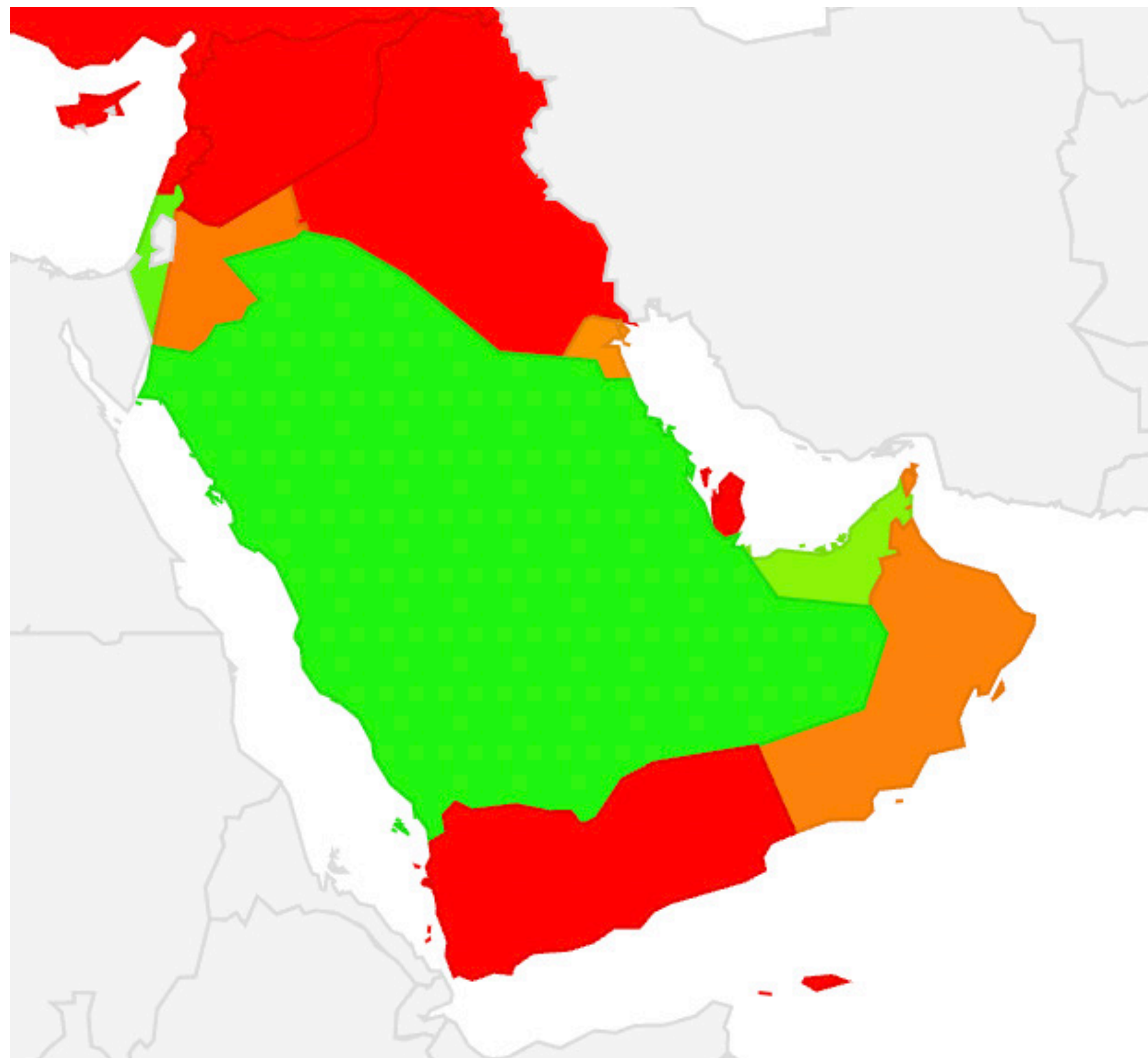


Status	Number of LIRs	Color
No IPv6 allocations	348	Green
IPv6 allocated but not announced through BGP	396	Yellow
IPv6 deployed and seen in BGP	144	Purple



All combined

# IPv6 Usage Stats



Source: <https://stats.labs.apnic.net/ipv6>

Country	%
KSA	62.52
UAE	49.44
Kuwait	21.25
Oman	18.33
Jordan	13.80
Lebanon	1.10
Bahrain	0.47
Syria	0.37
Qatar	0.33
Iraq	0.19
Palestine	0.11
Yemen	0.08



# **IPv6 Impact on Network Performance in Arab Countries**

# IPv6 Performance

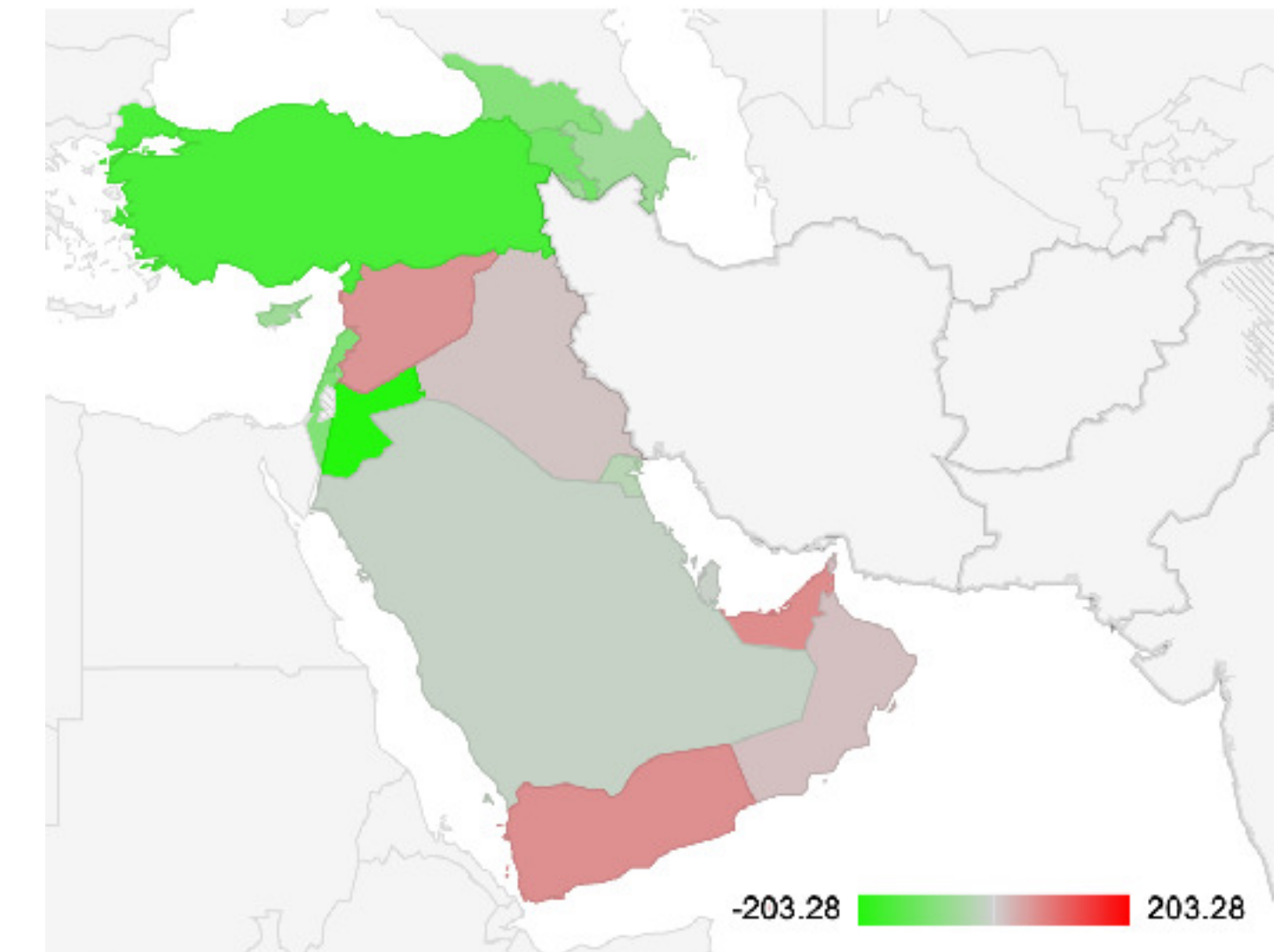
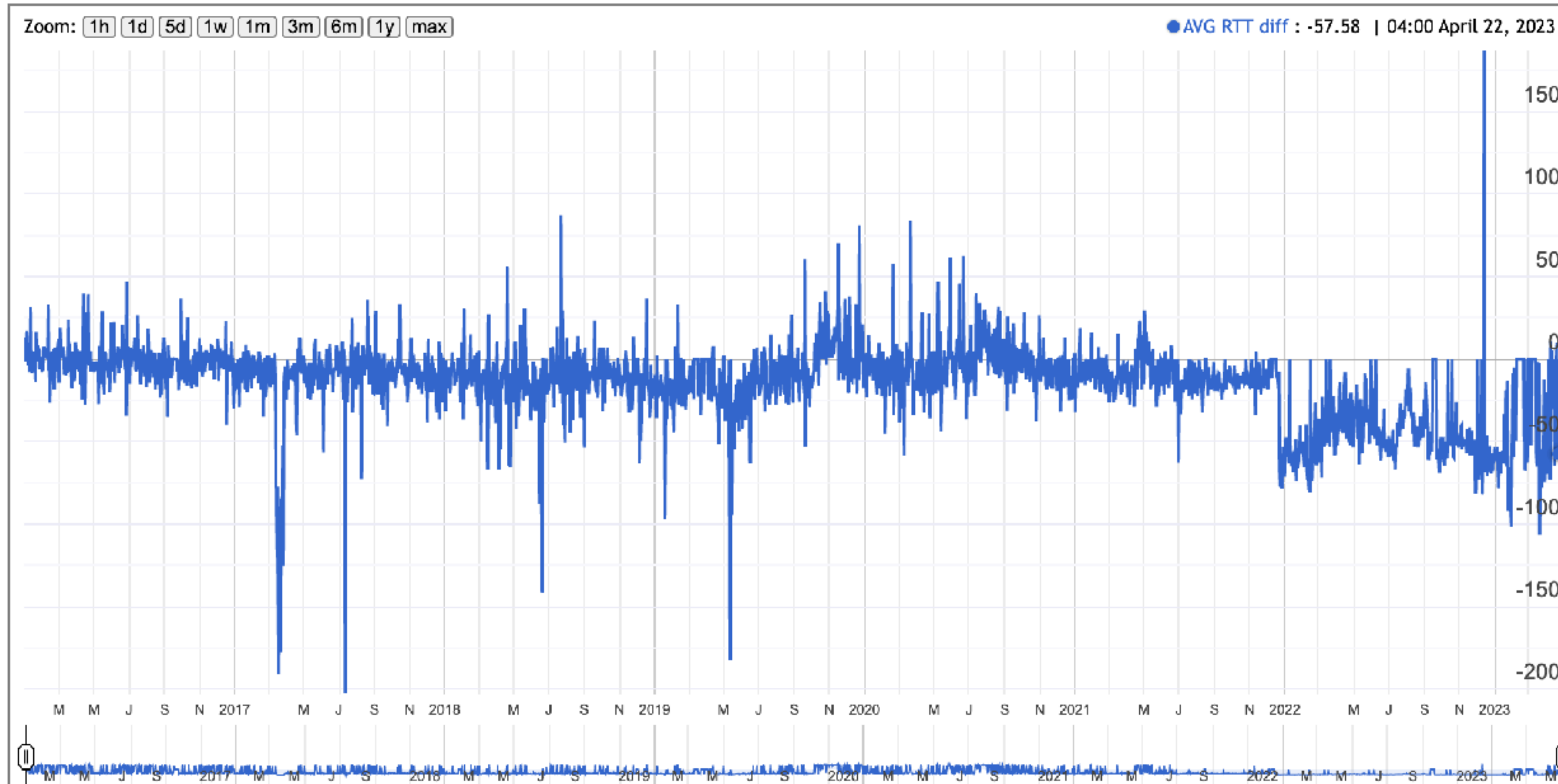


CC	Country	Avg RTT Diff (V6-V4)	Samples
JO	Jordan	<b>-203.28 ms</b>	56,603
LB	Lebanon	<b>-95.45 ms</b>	4,344
KW	Kuwait	<b>-27.77 ms</b>	45,883
SA	Saudi Arabia	<b>-10.38 ms</b>	1,137,896
EG	Egypt	<b>-3.78 ms</b>	171,180
OM	Oman	<b>15.97 ms</b>	43,620
AE	United Arab Emirates	<b>65.27 ms</b>	279,470

Source: <https://stats.labs.apnic.net/v6perf>



# IPv6 Performance



Source: <https://stats.labs.apnic.net/v6perf>

# Key Takeaways



- **All Arab countries** in the RIPE NCC region service have several LIRs announcing IPv6
- **KSA** and **UAE** lead the IPv6 deployment in the region (and the world)
- Good percentage but still **room for growth: KW, OM, JO**
- **No IPv6 traffic or low usage: LB, BH, QA, SY, IQ, PS, YE**
- **Mobile operators** are responsible for the majority of IPv6 traffic
- **IPv6 improves the network's performance.**



**Questions**

