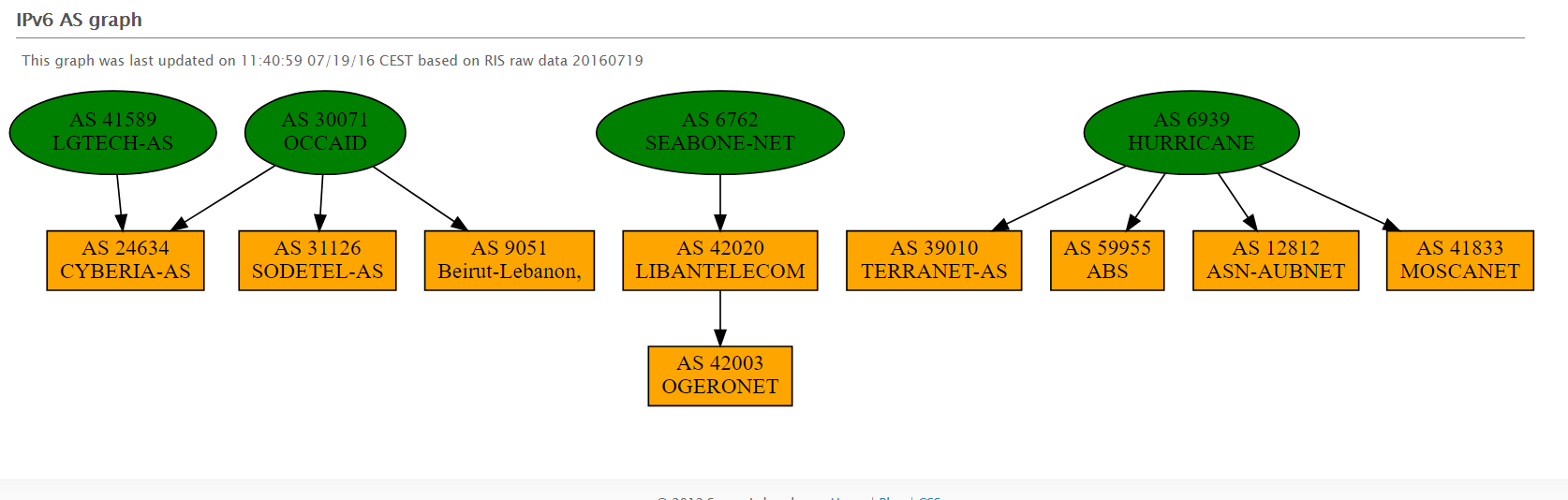
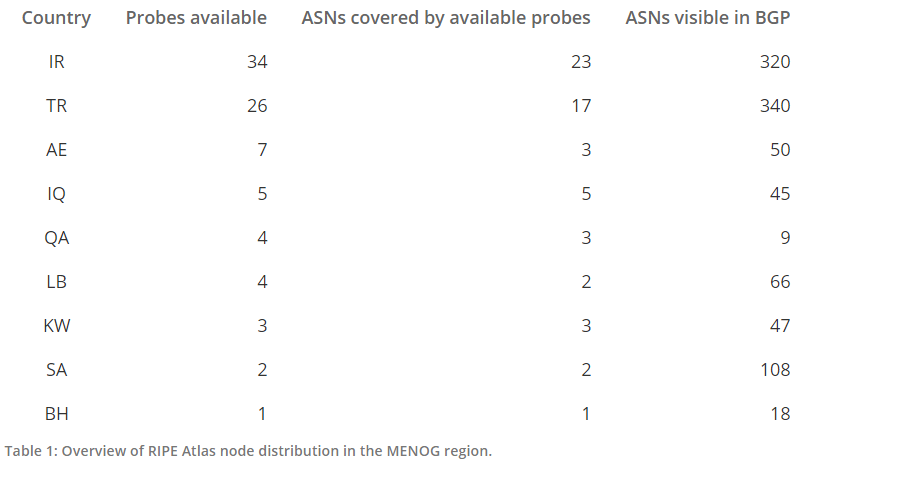
**IPv6 AS-Path Inflation**

This project consists in analyzing the path inflation between IPv4 and IPv6 paths in the Middle East (MENOG region).

**Features**

* Global statistics
* Inflation in the number of hops
* Inflation in the AS path
* Changes for the three past years





Tasks list:

-choose different AS covered by available probes that covers the MENOG region

- see which AS have ipv4 and ipv6 prefix

- choose several (4) network destinations outside the region

- using traceroute see the number of hops to reach the network in ipv4 and ipv6 and the RTT for each path (**25 April**)

- compare the path between ipv4 and ipv6: (**1may**)

>histogram shows the difference in number of hops (less than 2, between 2 and 5, between 5 and ten, more than ten) for each path

>histogram that shows the difference of ipv4&ipv6 RTT for each path

Bonus: > histogram shows the difference in number of ipv4 &ipv6 hops per AS

-compare to past: (**7may**)

> see if the paths have changed: number of hops, of AS

>see if the RTT has regressed

**target anchors:**

-Japan: target: jp-tyo-as2500.anchors.atlas.ripe.net

|  |  |
| --- | --- |
| **Probe** | 6033 |
| **Company** | WIDE BB/UTokyo |
| **Hostname** | jp-tyo-as2500 |
| **City** | Tokyo |
| **Country** | JP |
| **IPv4** | 203.178.137.196 |
| **ASv4** | 2500 |
| **IPv6** | 2001:200:0:6002::a10:1a2 |
| **ASv6** | 2500 |
| **Measurements** | Ping: [v4](https://atlas.ripe.net/measurements/1404334/) [v6](https://atlas.ripe.net/measurements/1404336/) Traceroute: [v4](https://atlas.ripe.net/measurements/1404333/) [v6](https://atlas.ripe.net/measurements/1404335/) |

-South Africa : target : za-cpt-as37663.anchors.atlas.ripe.net

|  |  |
| --- | --- |
| **Probe** | 6187 |
| **Company** | INX-ZA / Internet Service Providers' Association of South Africa |
| **Hostname** | za-cpt-as37663 |
| **City** | Cape Town |
| **Country** | ZA |
| **IPv4** | 196.10.54.135 |
| **ASv4** | 37663 |
| **IPv6** | 2001:43f8:1f4:a00::135 |
| **ASv6** | 37663 |
| **Measurements** | Ping: [v4](https://atlas.ripe.net/measurements/3606483/) [v6](https://atlas.ripe.net/measurements/3606486/) Traceroute: [v4](https://atlas.ripe.net/measurements/3606482/) [v6](https://atlas.ripe.net/measurements/3606485/) |

-France Bordeaux: target : fr-bod-as198985.anchors.atlas.ripe.net

|  |  |
| --- | --- |
| **Probe** | 6320 |
| **Company** | Aquilenet |
| **Hostname** | fr-bod-as198985 |
| **City** | Bordeaux |
| **Country** | FR |
| **IPv4** | 185.233.100.99 |
| **ASv4** | 198985 |
| **IPv6** | 2a0c:e300::99 |
| **ASv6** | 198985 |
| **Measurements** | Ping: [v4](https://atlas.ripe.net/measurements/10404698/) [v6](https://atlas.ripe.net/measurements/10404701/) Traceroute: [v4](https://atlas.ripe.net/measurements/10404697/) [v6](https://atlas.ripe.net/measurements/10404700/) |

-Kuwait: target: kw-kwi-as42961.anchors.atlas.ripe.net

|  |  |
| --- | --- |
| **Probe** | 6232 |
| **Company** | Zain Kuwait |
| **Hostname** | kw-kwi-as42961 |
| **City** | Kuwait |
| **Country** | KW |
| **IPv4** | 212.43.17.42 |
| **ASv4** | 42961 |
| **IPv6** | 2a00:4520:2:2::22 |
| **ASv6** | 42961 |
| **Measurements** | Ping: [v4](https://atlas.ripe.net/measurements/6930168/) [v6](https://atlas.ripe.net/measurements/6930171/) Traceroute: [v4](https://atlas.ripe.net/measurements/6930167/) [v6](https://atlas.ripe.net/measurements/6930170/) |