ICANN 63

ANNUAL GENERAL

BARCELONA

20–25 October 2018

High Level Governmental Meeting Session 3

The Role and Impact of Internet Technological Evolution on ICANN
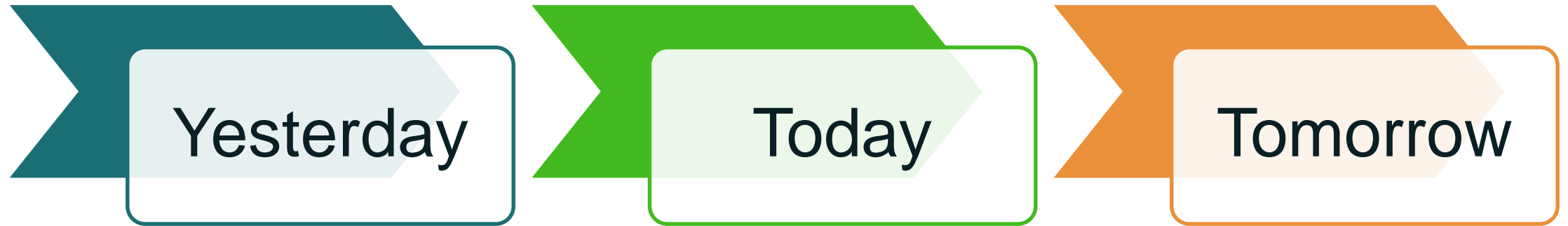
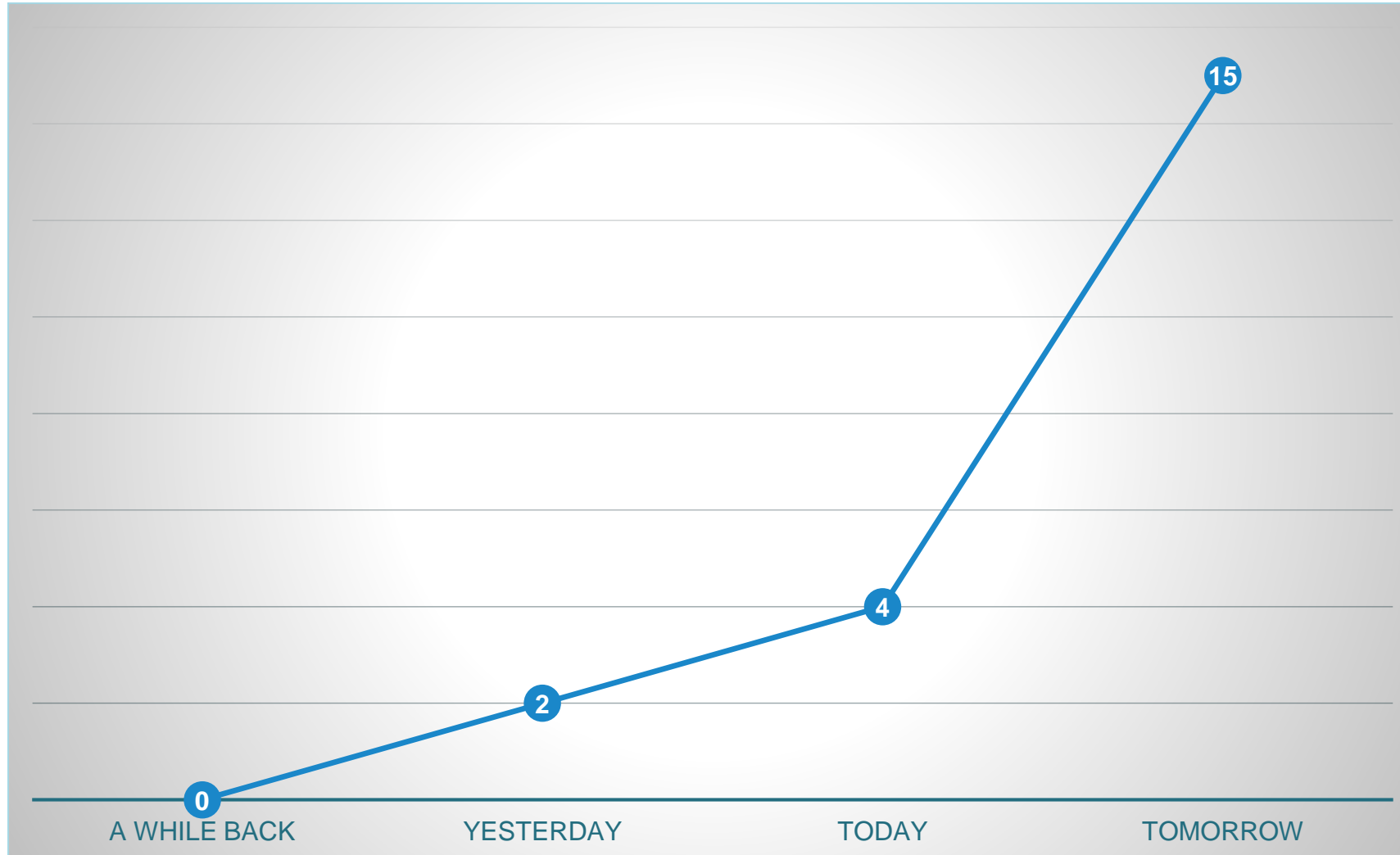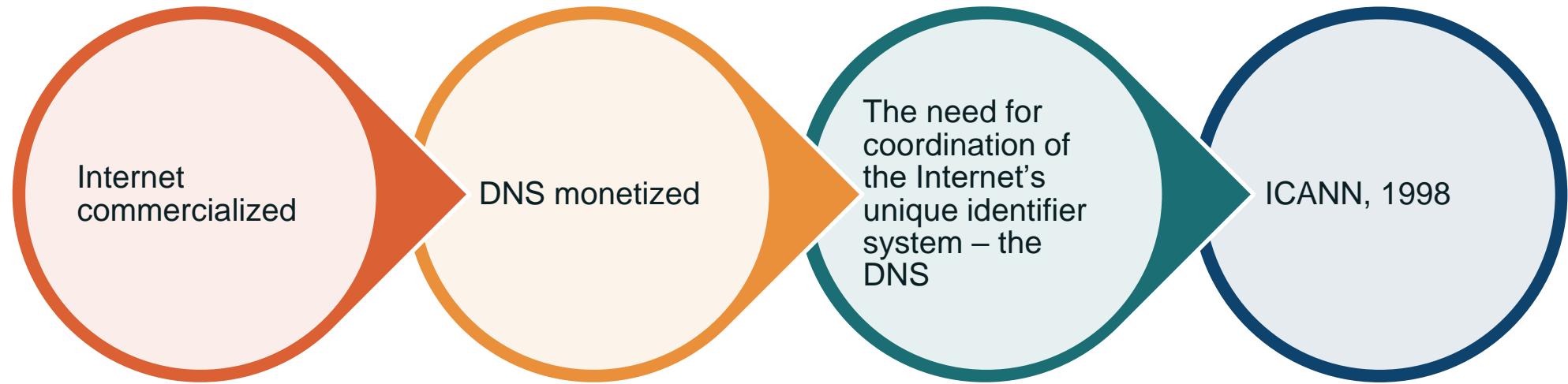Tripti Sinha

High Level Government Meeting
22 October 2018

The Role and Impact of Internet Technological Evolution on ICANN

Yesterday

Today
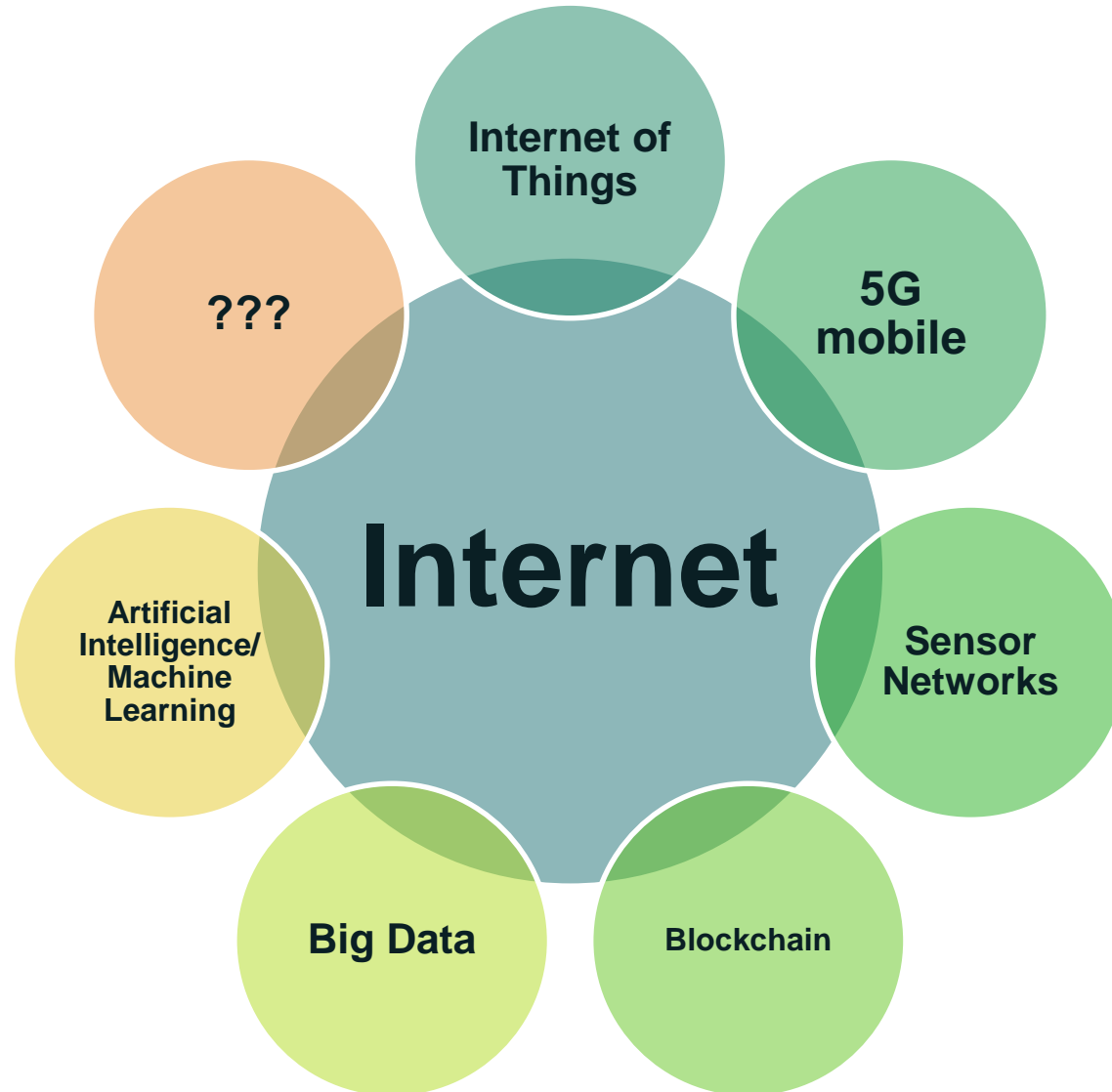
Tomorrow

The Staggering Growth of the Internet

Internet and ICANN

Internet commercialized → DNS monetized → The need for coordination of the Internet's unique identifier system – the DNS → ICANN, 1998

What is on the technology horizon? Another inflection point.
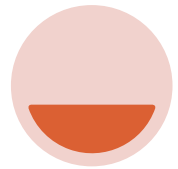
The transportation event on the Internet
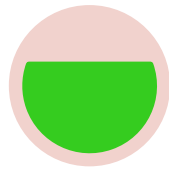
Point A

Point B

Potential outcomes of the technology horizon on ICANN
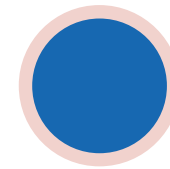
Internet Growth

- Addresses

- Names

Policy Coordination

Security

- Risks (attacks)

- Forethought vs Afterthought

- Privacy

Underlying principles to be preserved into the future

- To support the key transportation event of getting from point A to point B
  - Identifiers MUST continue to be unique
  - Integrity of the event is preserved by a single unique name space

- Names and address will grow – coordination is required

- Security

Impact on ICANN

- Integrity of resolution (domain name -> IP address) needs to march lockstep with the scale and increased complexity of a bigger Internet

- DNS root services need to continue to scale and evolve

- Keeping up with a shifting risk and security profile of the new landscape

- The delivery of ICANN's mission, based on the multi-stakeholder model, will grow in scale as the Internet grows in scale with more hosts

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