

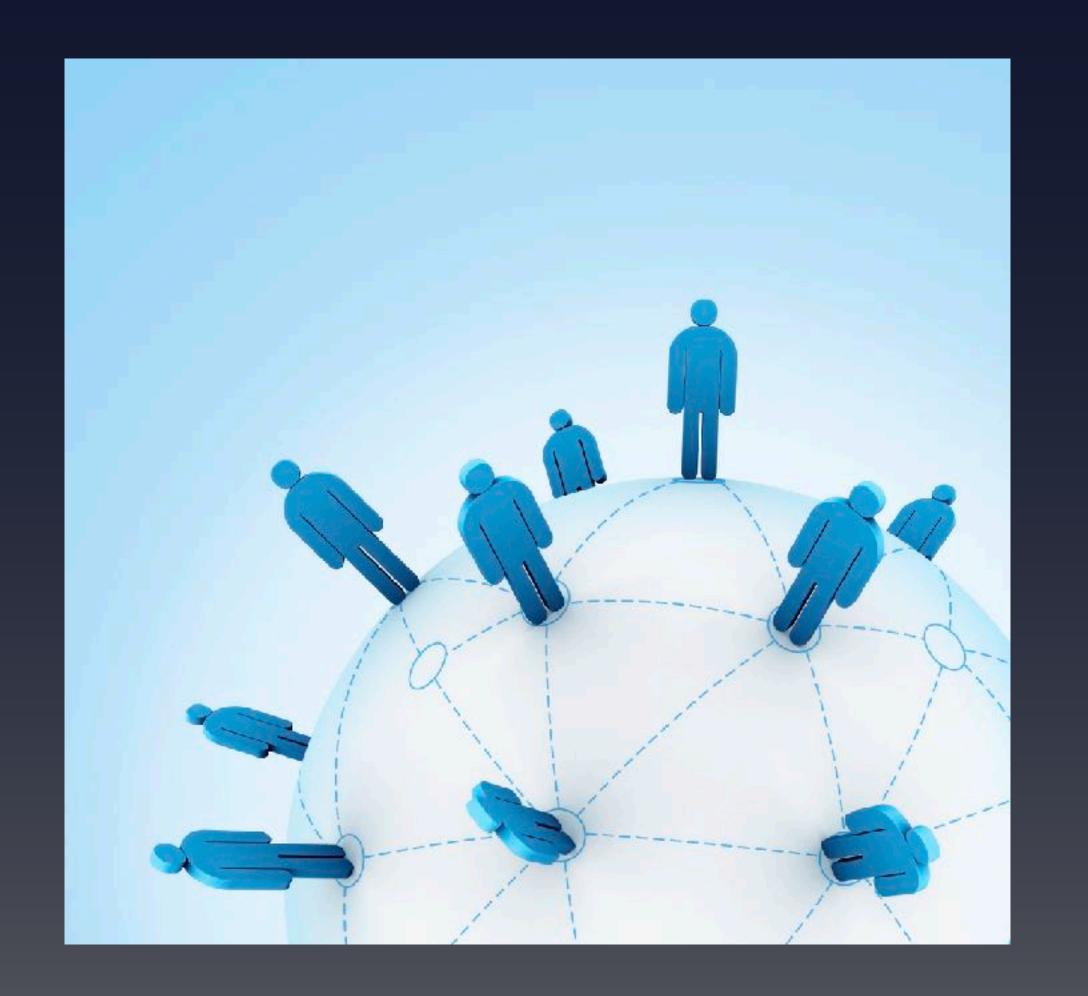
# Our Work With Regulators

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## The Early Years of the Internet



- Emerged from universities
- Regulation at the time focused on traditional telecommunications
- Self-regulation appeared to meet the needs of users and the Internet industry
- The public sector was involved, but mostly content with the status quo



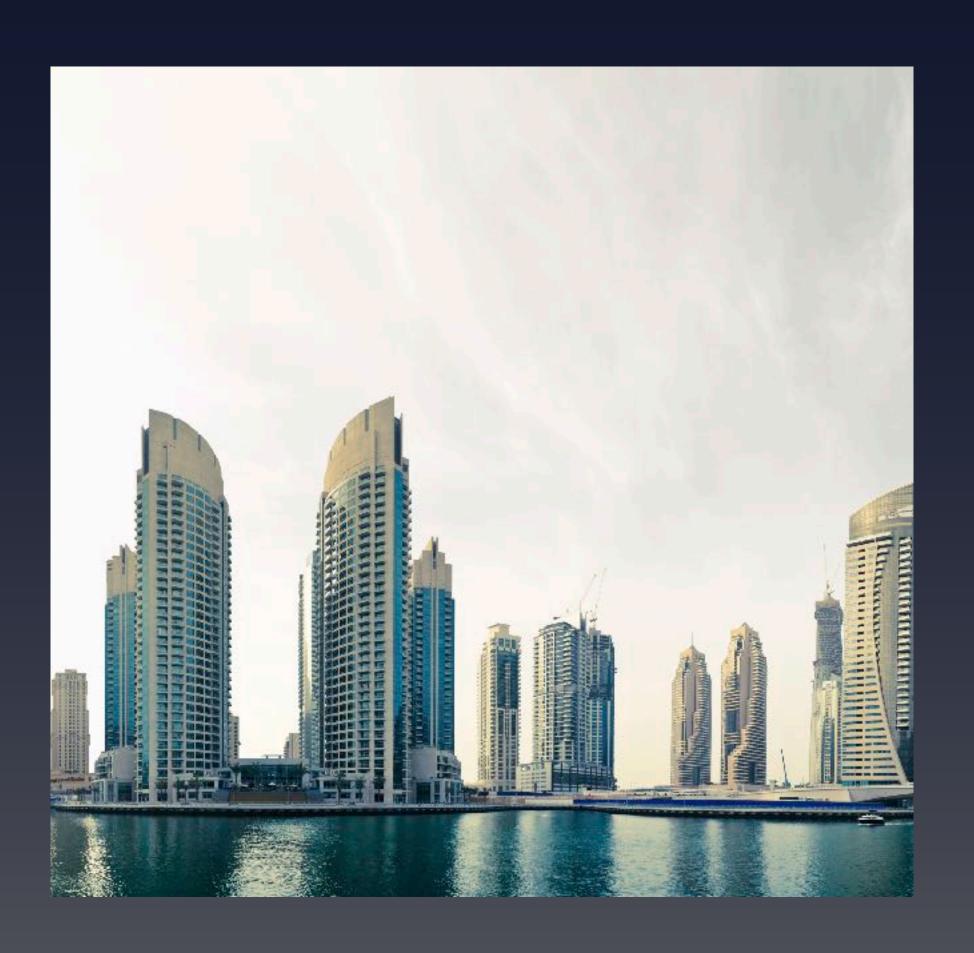


# Emerging Challenges

# Landscape is Changing Dramatically



- Rapid growth in Internet users five billion online by 2020
- Development of Smart Cities
- Internet of Things (IoT) predicted to reach 20 billion devices globally by 2020
- IPv6 deployment reaching significant levels - partly driven by IPv4 run-out



# The Stakes are Higher Today



- The Internet is critical infrastructure
- Concerns over:
  - Privacy
  - Security
  - Resilience of critical infrastructure
  - Smart cities and IoT security
- Regulation appears unavoidable



### Regulation is the Domain of Governments



#### How can we ensure that regulation is:

- Lightweight and agile
- Fit for purpose
- Quick to adapt to technological changes and market dynamics
- Coordinated and harmonised with global standards and practices
- Conducive to innovation and industry growth

#### Greater Public-Private Coordination



#### Dialogue between stakeholders more crucial than ever

- Each actor has its own role and area of responsibility
- Need to understand various goals and objectives

#### Government can create an enabling environment

- Encouraging Internet Exchange Points (IXPs) and peering
- Supporting IPv6 deployment
- Sharing its concerns and opinions in technical community discussions



# RIPE NCC and Regulation

## Aligning Governments and Industry



- Existing Internet governance model has delivered
- Governments need up-to-date knowledge
- Regulation should ensure that it matches current needs
- Global compatibility and interoperability need to be maintained
- Global public-private dialogue is required

#### RIPE NCC's Role



- Facilitate sharing of knowledge and best practices
- Provide expertise to encourage 'smart' regulation
- Relay concerns in both directions
- Encourage dialogue between regulatory bodies and the industry
- Create public awareness about these issues



# Questions



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