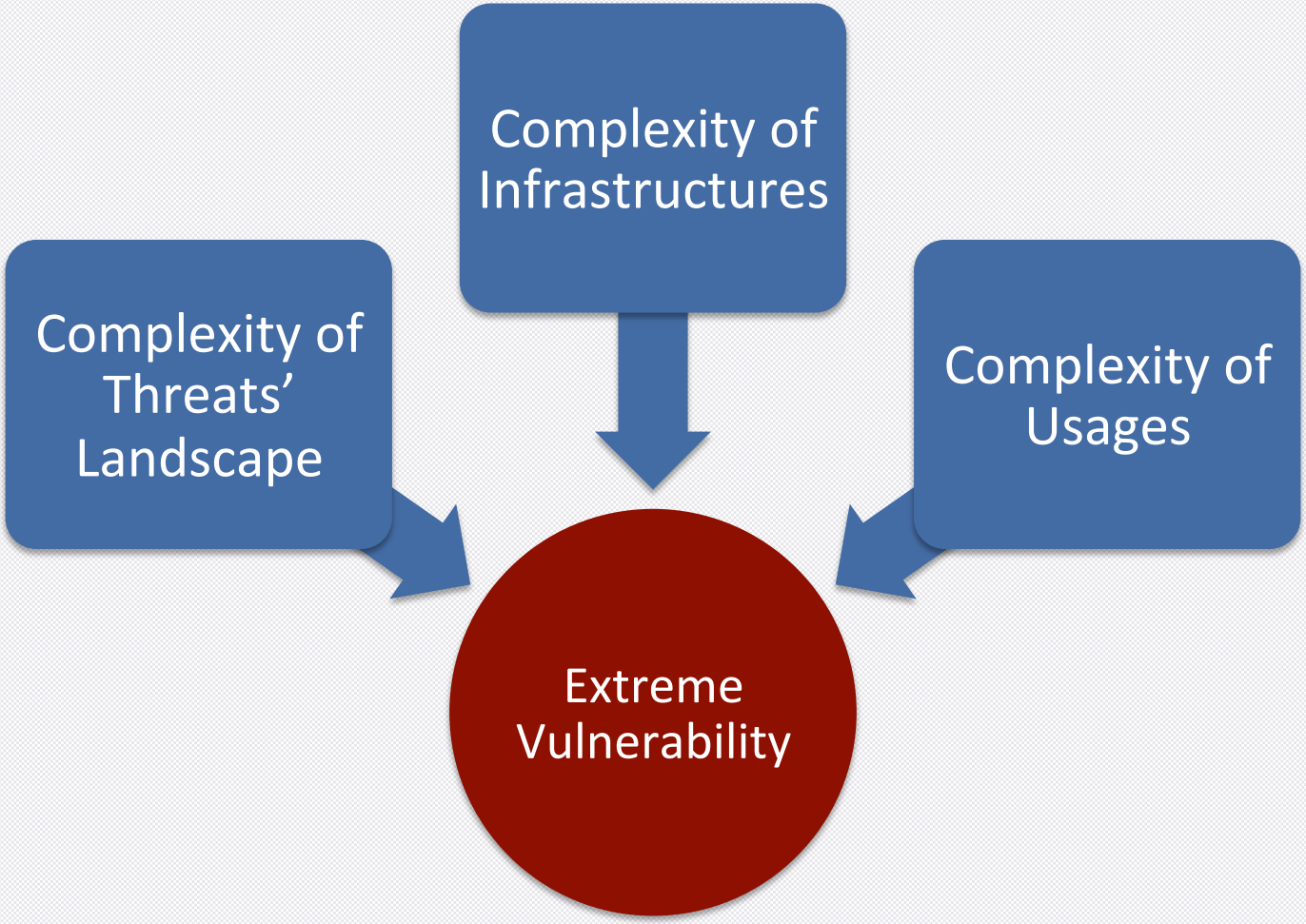
Cybersecurity and Cybercrime in a Complex World

Global Forum

Geneva – 17th Nov. 2014

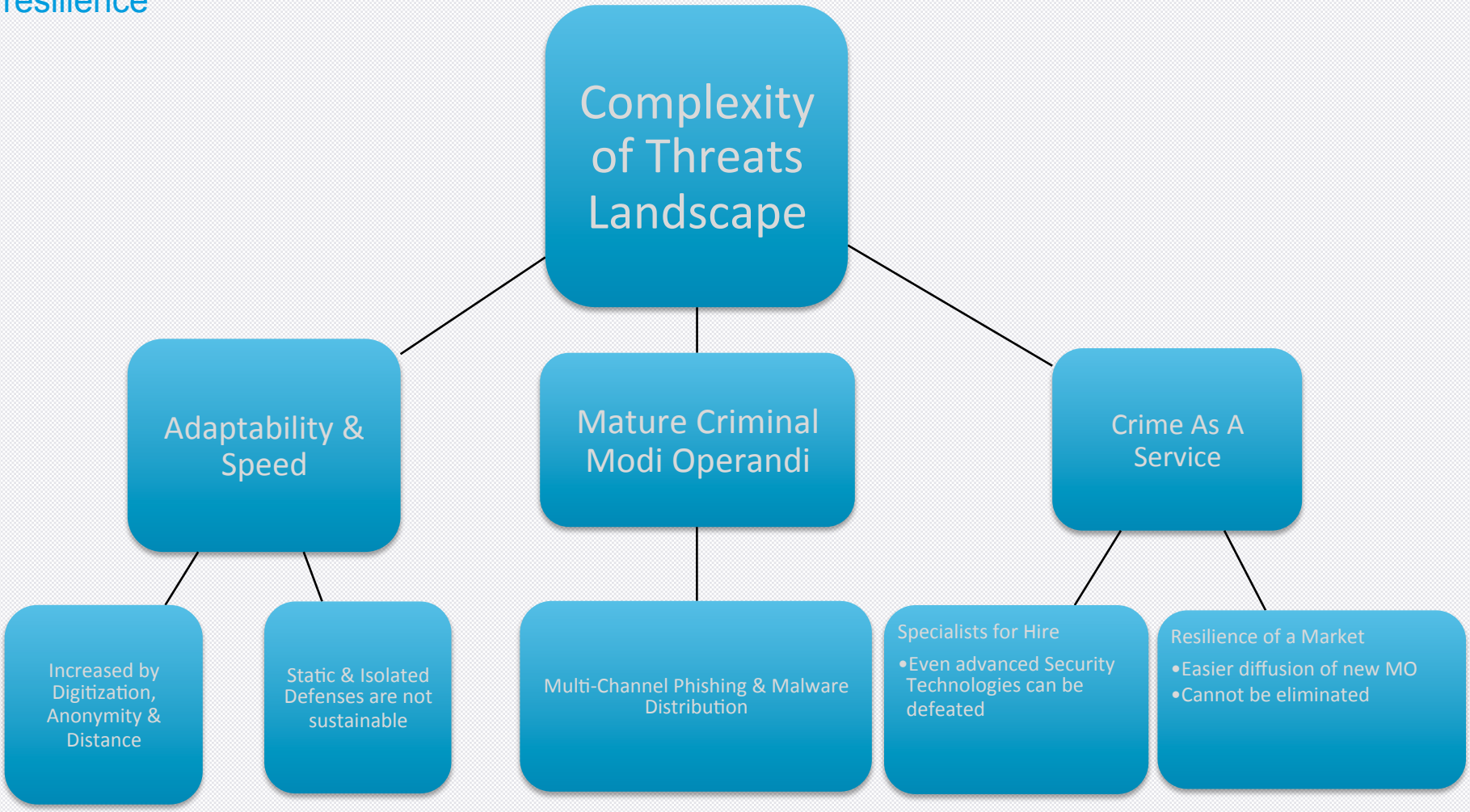
Growing challenge to security

Facing Complexity

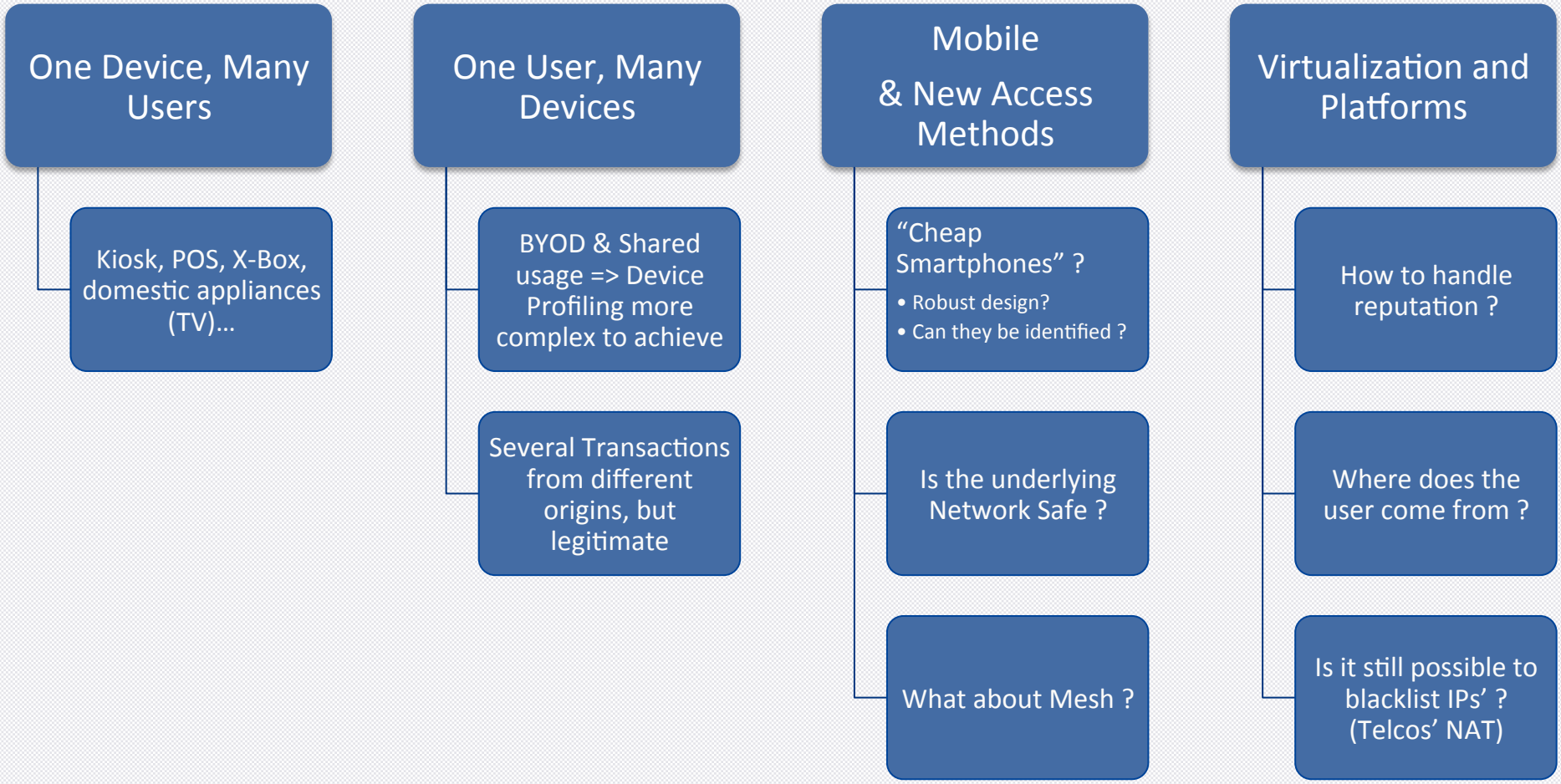


New threats

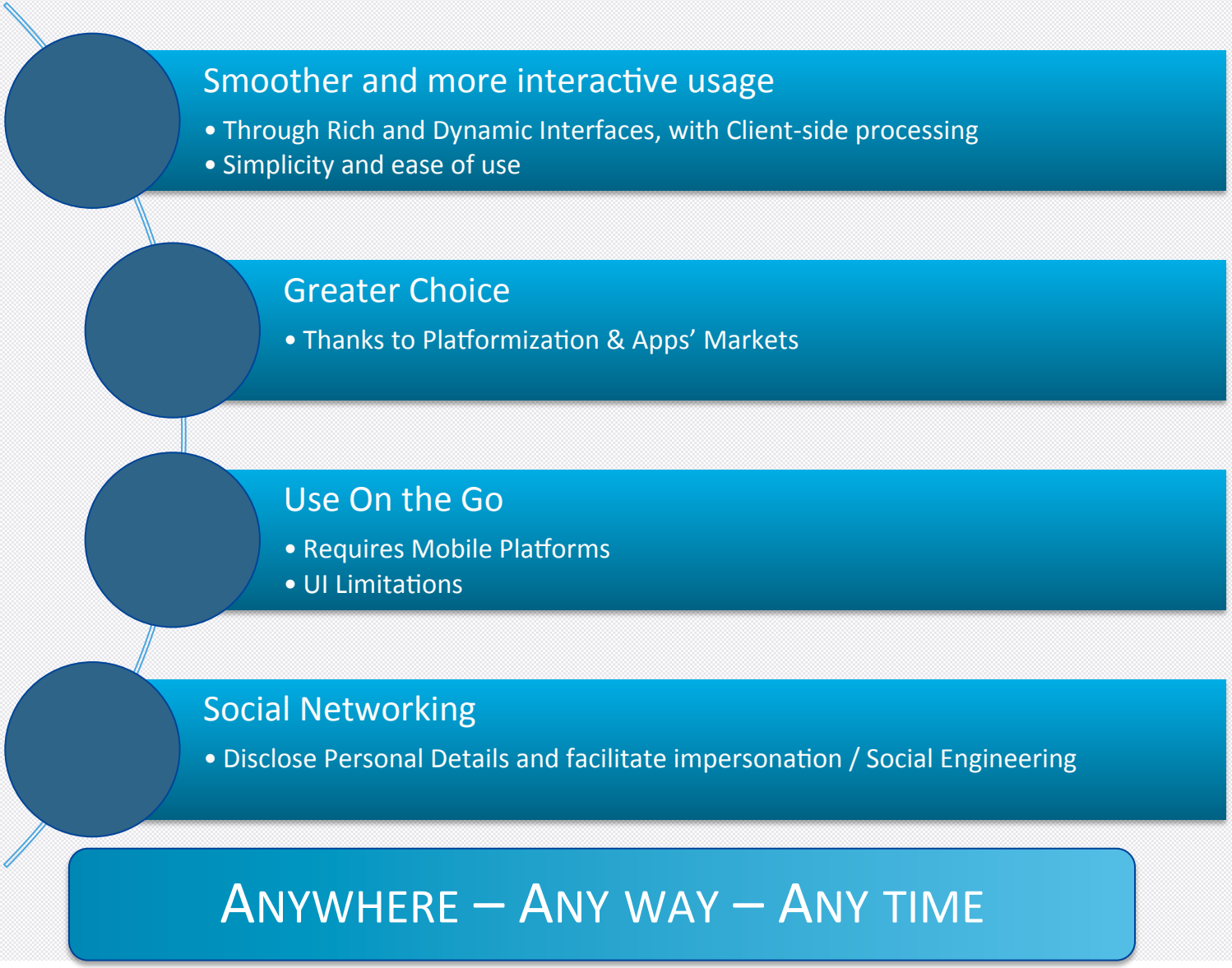
Increased sophistication and resilience



Explosive growth of infrastructures

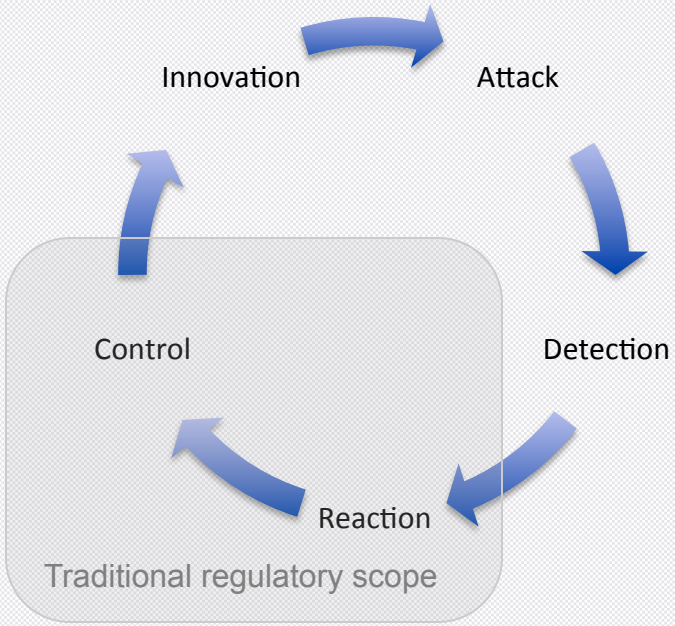


Innovation in usages feeds complexity



Can cybersecurity be regulated ?

The pace of traditional regulatory mechanisms is too slow



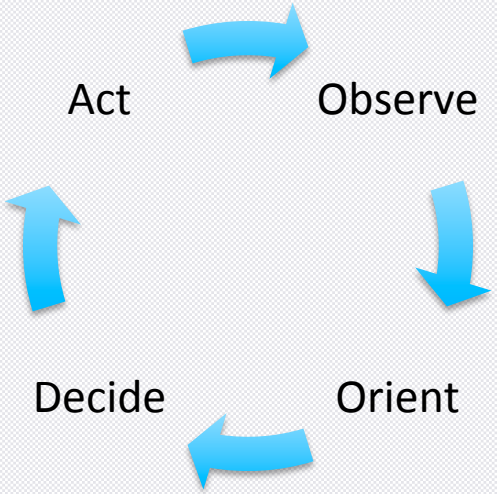
A timeframe expressed in years

- “Detection” occurs only when the volume of attacks is meaningful.
- “Reaction” is out of scope. Analysis takes time to form consensus.
- “Control” may happen after years, when regulations are implemented.
- Fraudsters adaptation cycle is far faster : mostly results based.

Towards smart regulations for cyber security matters

Regulators promoting a fast-paced adaptation of the industry

Inclusive	Business interest of industry – Incumbents and disruptors
	Right and benefits of end-users
	Obligations and needs of governments
Data intensive	Give more scientific ground to best practices
	Allow for acceptance and innovation
	Shorten the decision cycle
Outcomes focused	Result is more important than the chosen technology to deliver it.
	Open the way to a continuum of incentives.
	Sensemaking



Conclusion

Security on Internet is challenging, but not impossible

- Security has to keep pace with technology, innovation, emerging needs and usages of end-users, but also sophistication of attackers ➔Agility and Robustness
- Security has to take advantage of, and promote a diverse ecosystem to prevent and disrupt massive and automated attacks.
- Security has to be flexible and non-intrusive, as the real added-value is in the protected service, which should not be disrupted.
- Security needs active participation of every stakeholder. In particular, industry should think beyond the perimeter, and regulators have to embrace smart regulatory practices to help stakeholders stay focused on actual outcomes.

The result should be a more secure internet able to evolve along with the pace of innovation while handling its growing complexity

Thank you for your attention