Toward a
Risk Management Framework
for the DNS

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Beijing

ICANN

Who we are

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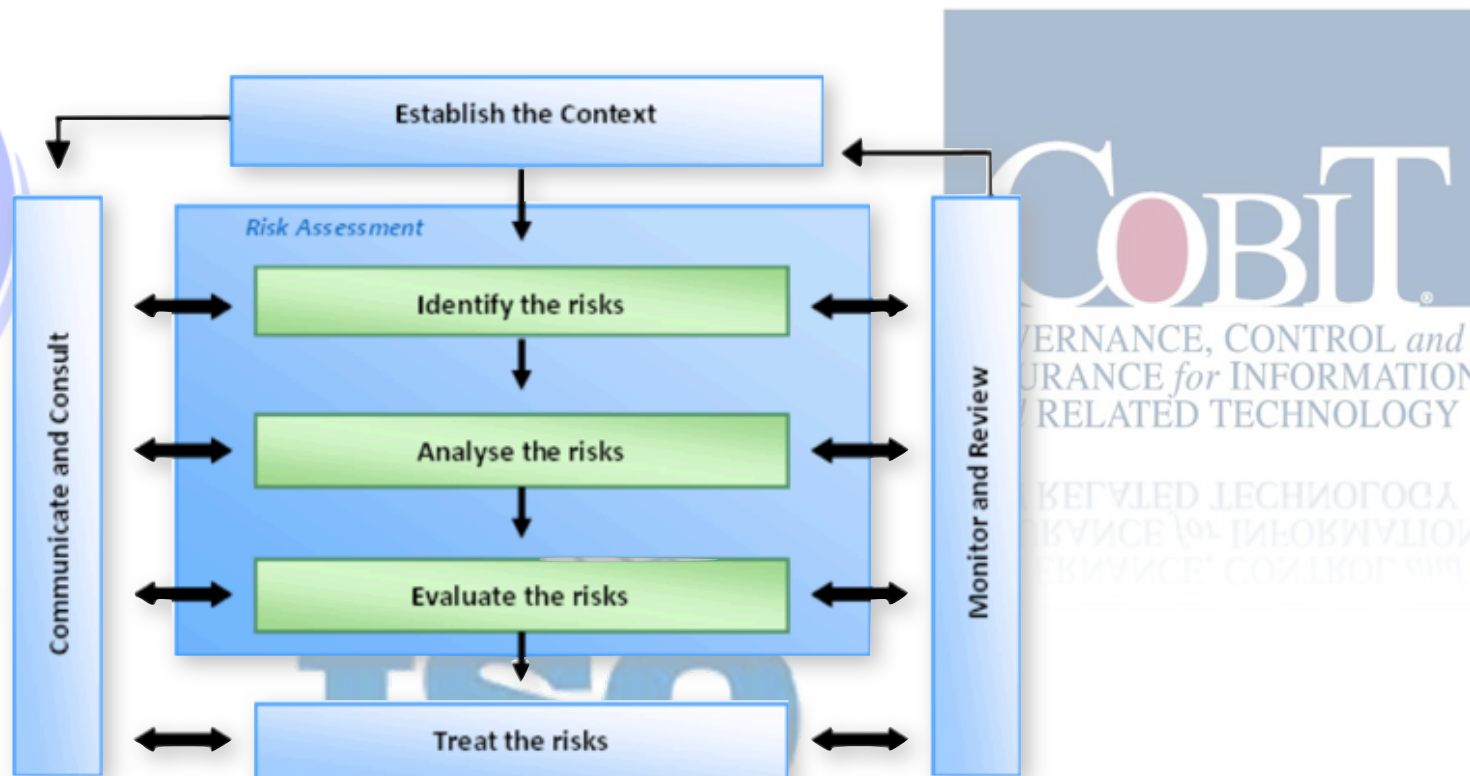GOVERNANCE

A risk management framework is

not a risk or threat assessment

but what you put the assessment into

that helps you manage risks

and prioritise actions and investments

to mitigate the risks

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Risk frameworks
in the wild

How we will build it

Come to Toronto to gather information	✔
Develop principles to cover DNS Risk Management	✔
Analyse candidate frameworks against principles	✔
Tailor it to fit multistakeholder environment	✔
Test it using example risks from DSSA WG	✔
Present it at Beijing	✔

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RMF Principles

- ICANN is a unique identity, embedded in a community of interest

- The DNS is a technically unique and important system

- Provide a means to fostering an enduring risk culture within ICANN

- Avoid a monoculture

- Adapt not reinvent

- Process is not a substitute for thought

- Cover risks that are within ICANN's sphere of concern, but not necessarily under its control
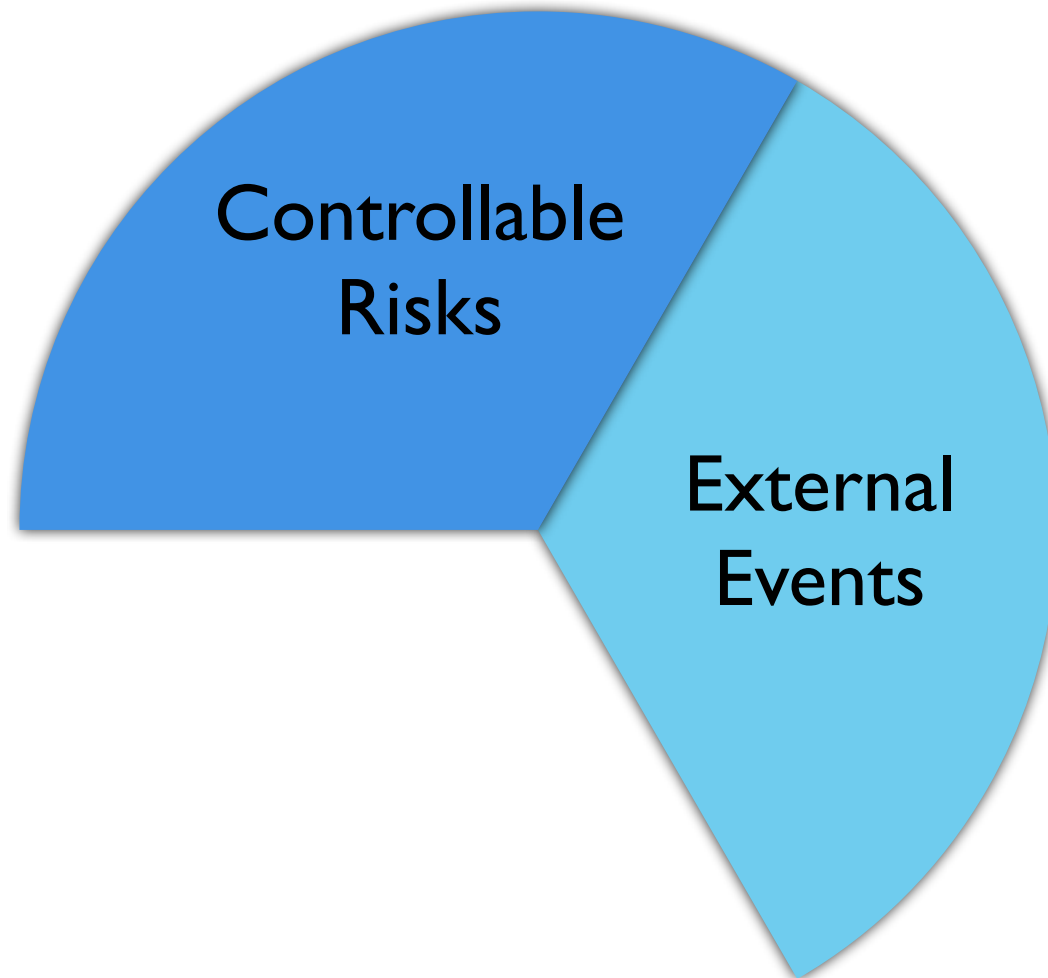
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Westlake Governance Principles

- For practitioners, by practitioners

- Outputs must be actionable

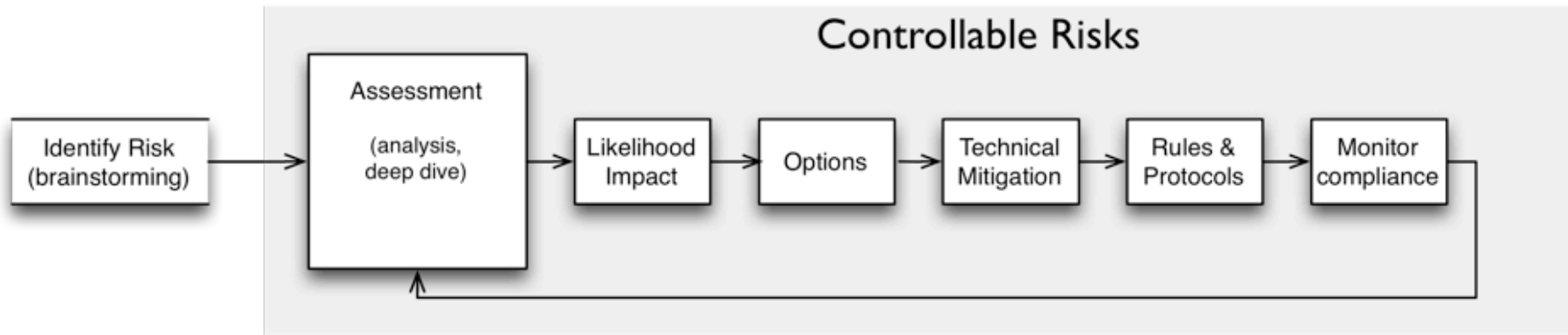- Actions must be measurable

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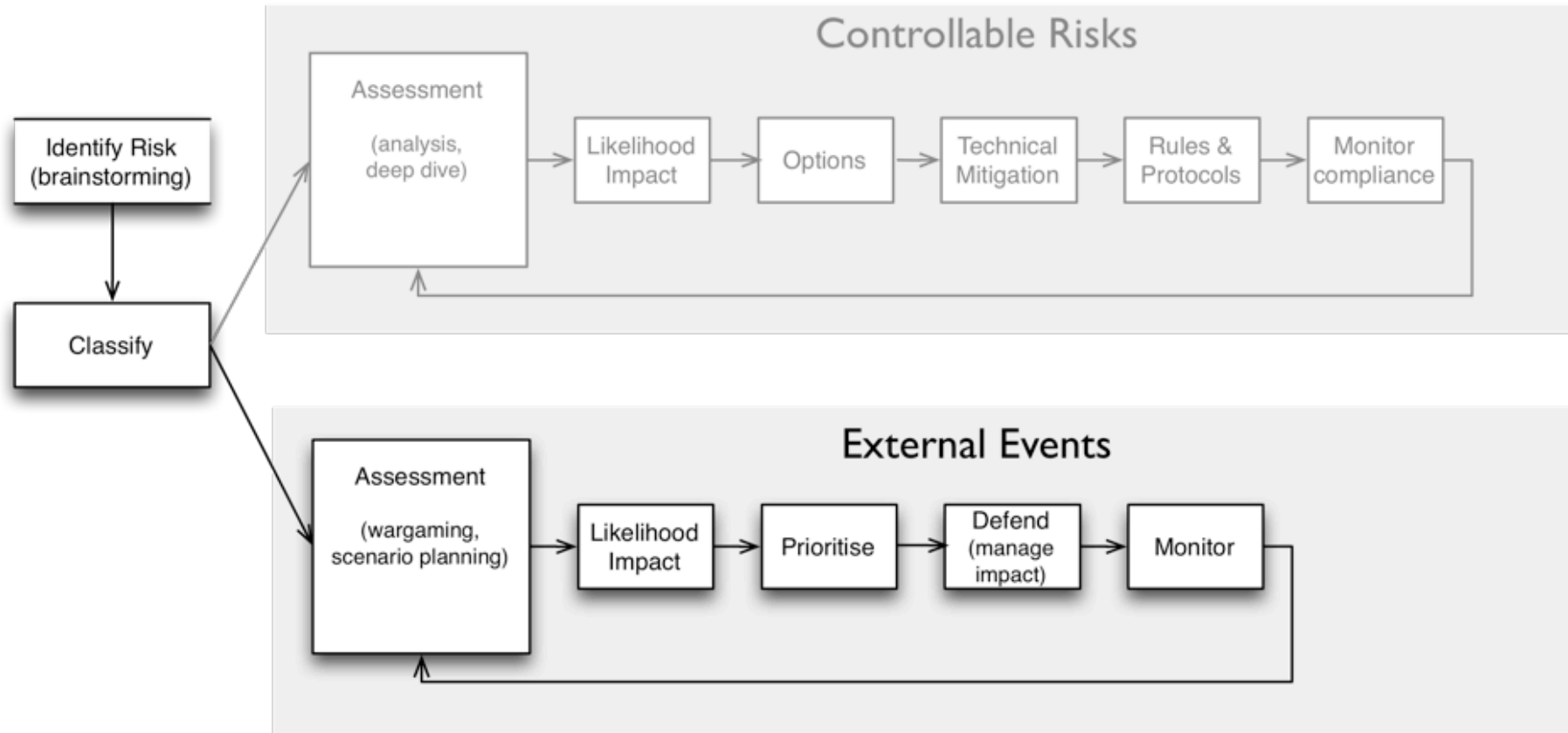
One Size *Does Not* Fit All

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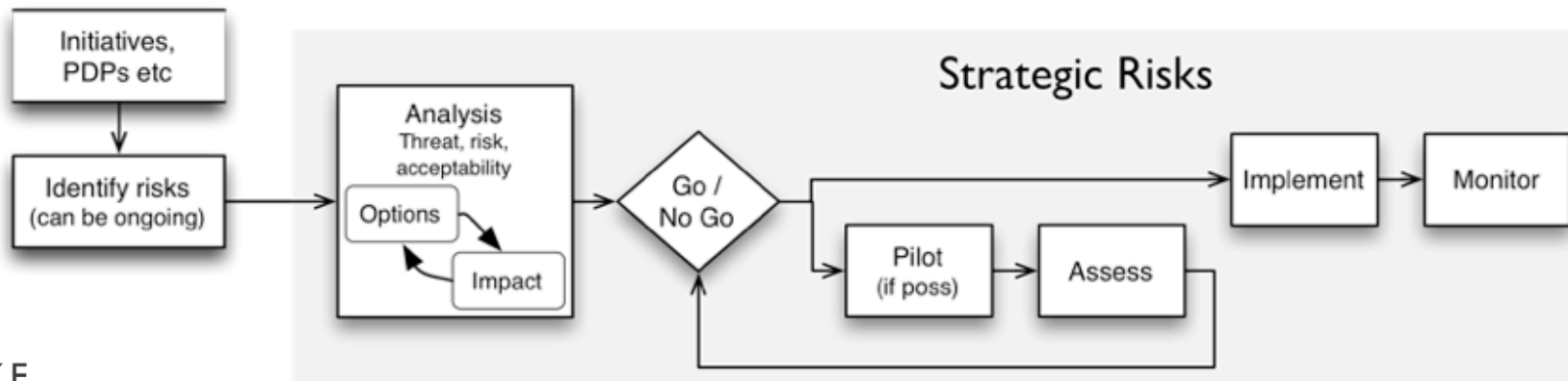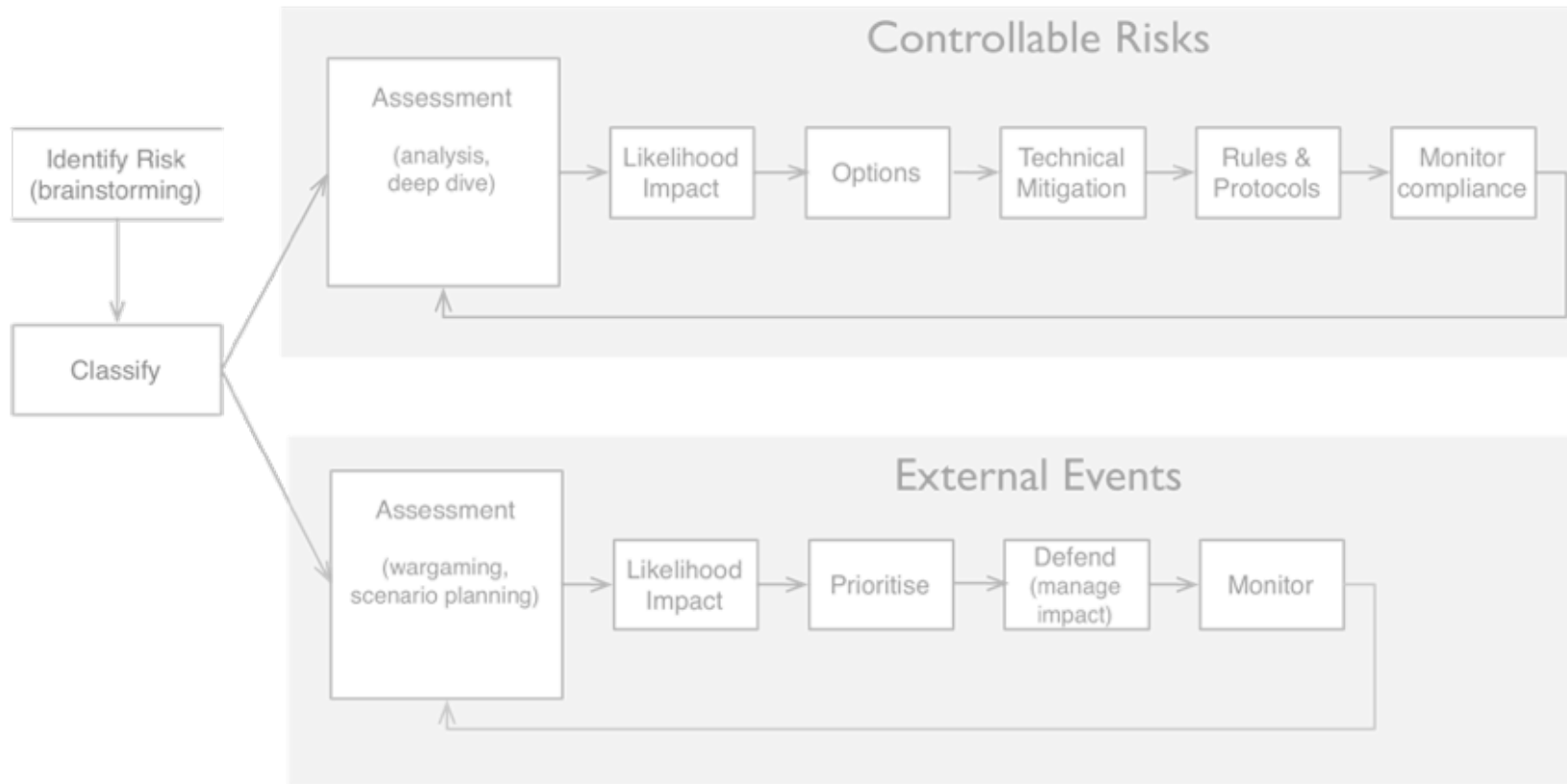
One Size *Does Not* Fit All
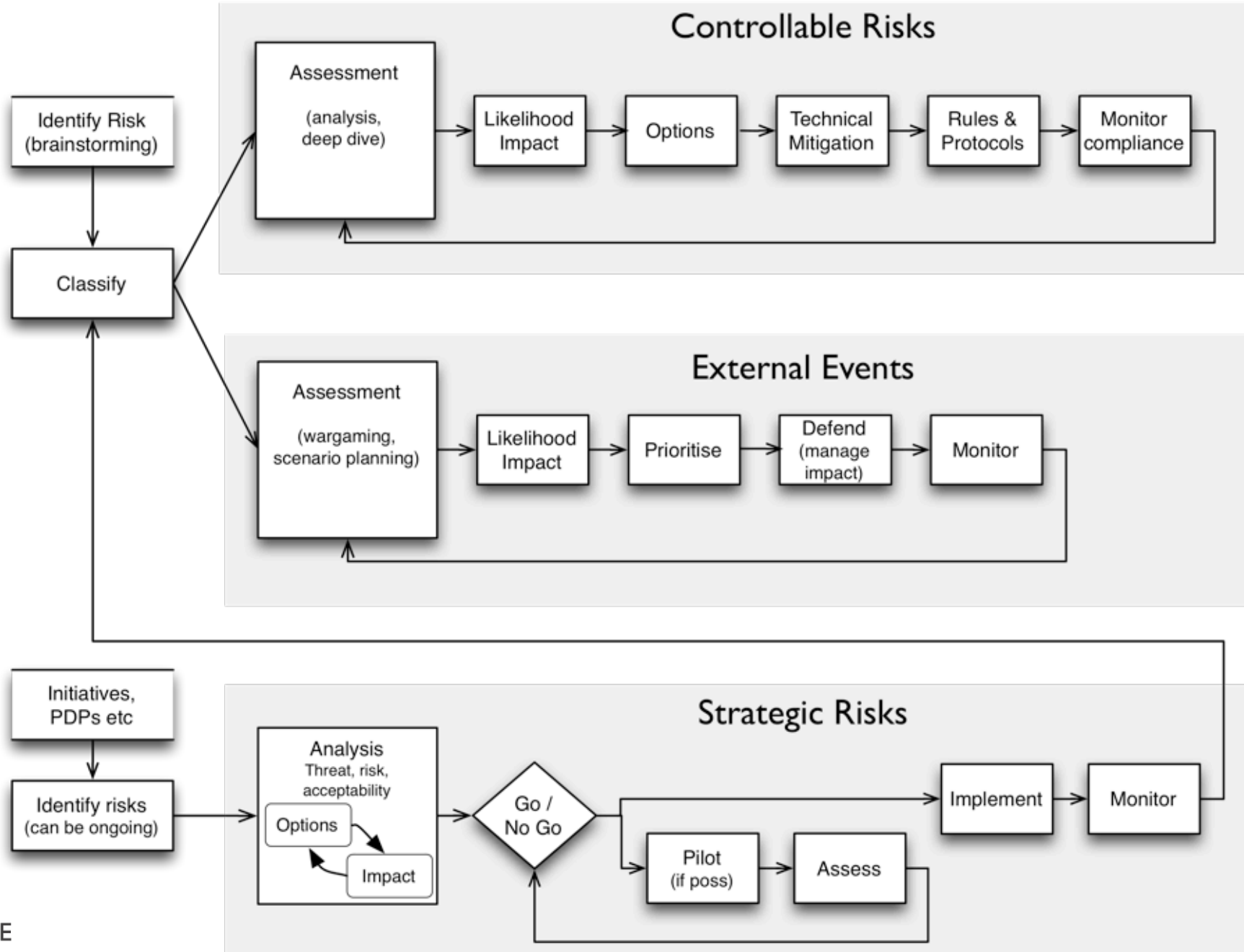
Risk framework - controllable risks

Risk framework - external events

Risk framework - strategic risks

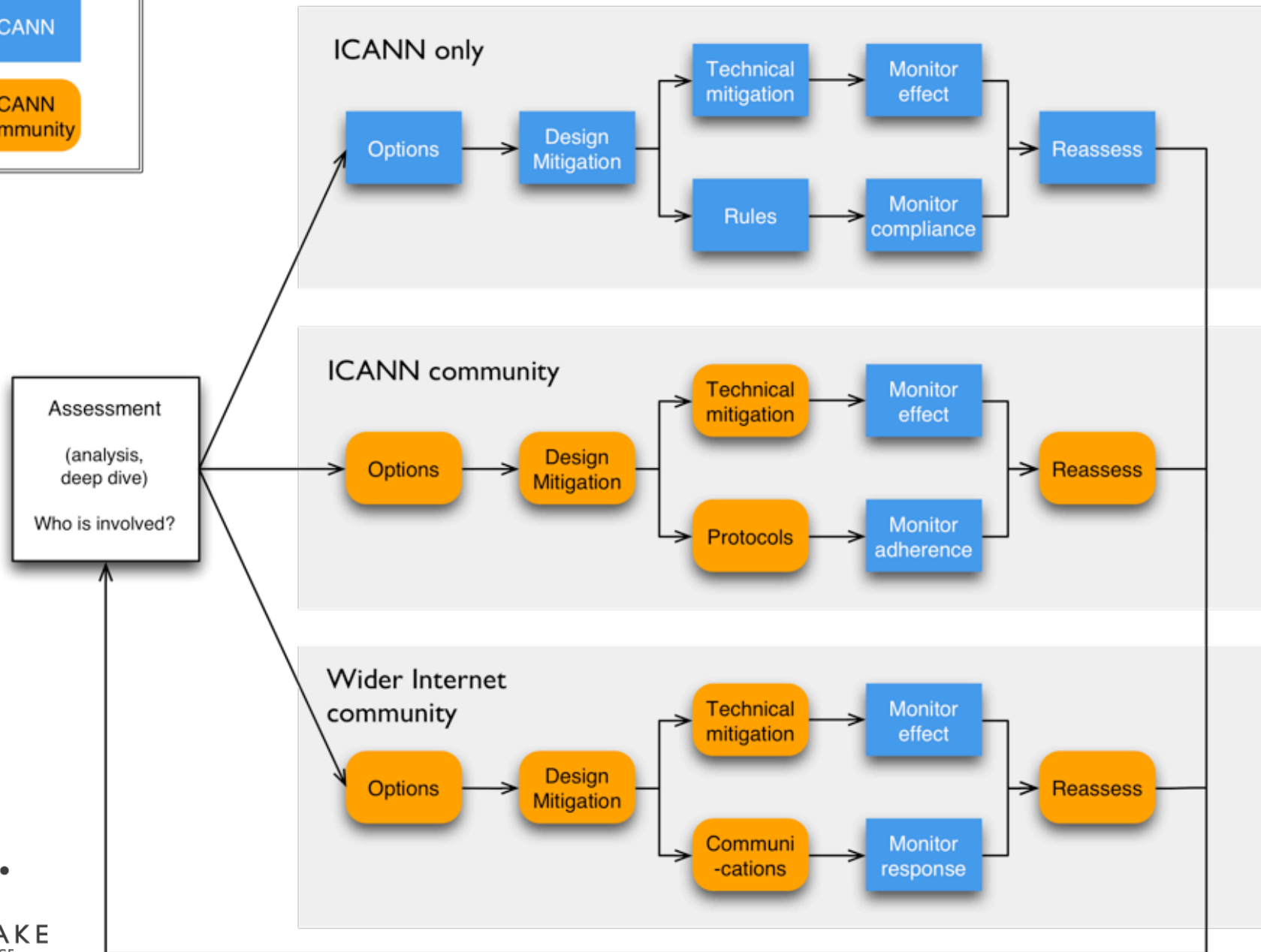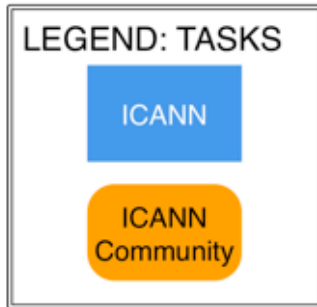# Risk framework - all risk types

Taxonomy of Risk

Controllable Risks
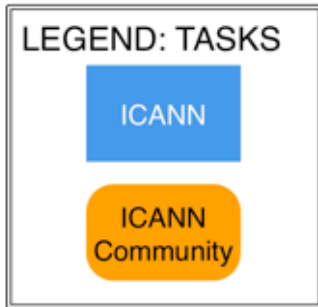
External Events

Strategic Risks

ICANN

ICANN
COMMUNITY

WIDER
INTERNET
COMMUNITY

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Taxonomy of Risk

Controllable Risks

External Events

Strategic Risks

ICANN *(Board has direct influence)*

ICANN COMMUNITY *(ICANN seeks consensus)*

WIDER INTERNET COMMUNITY *(ICANN communicates)*

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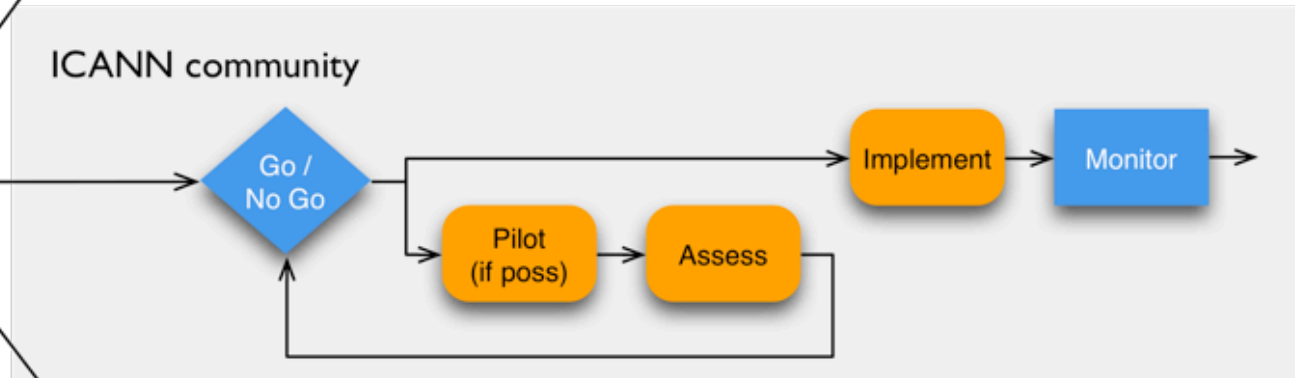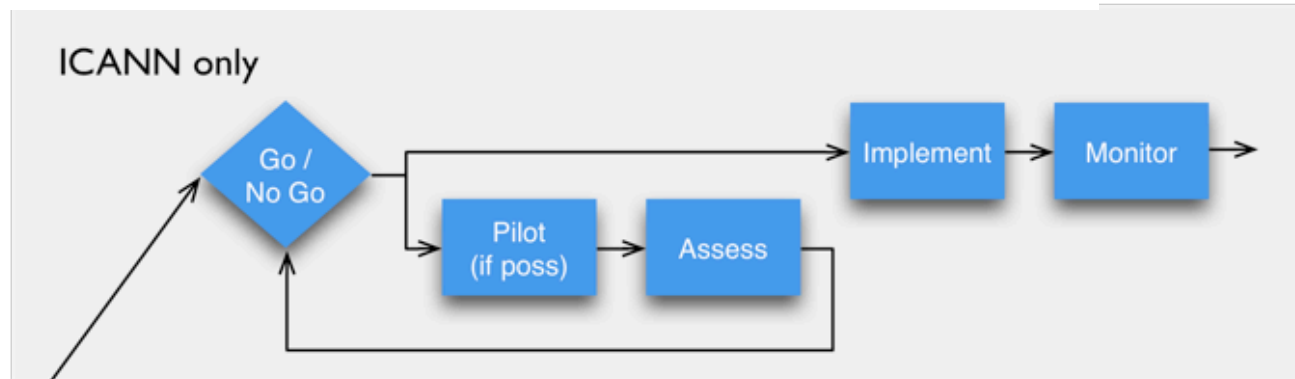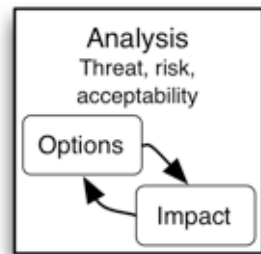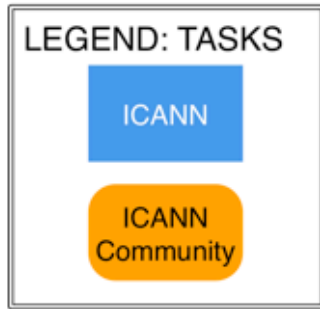GOVERNANCE
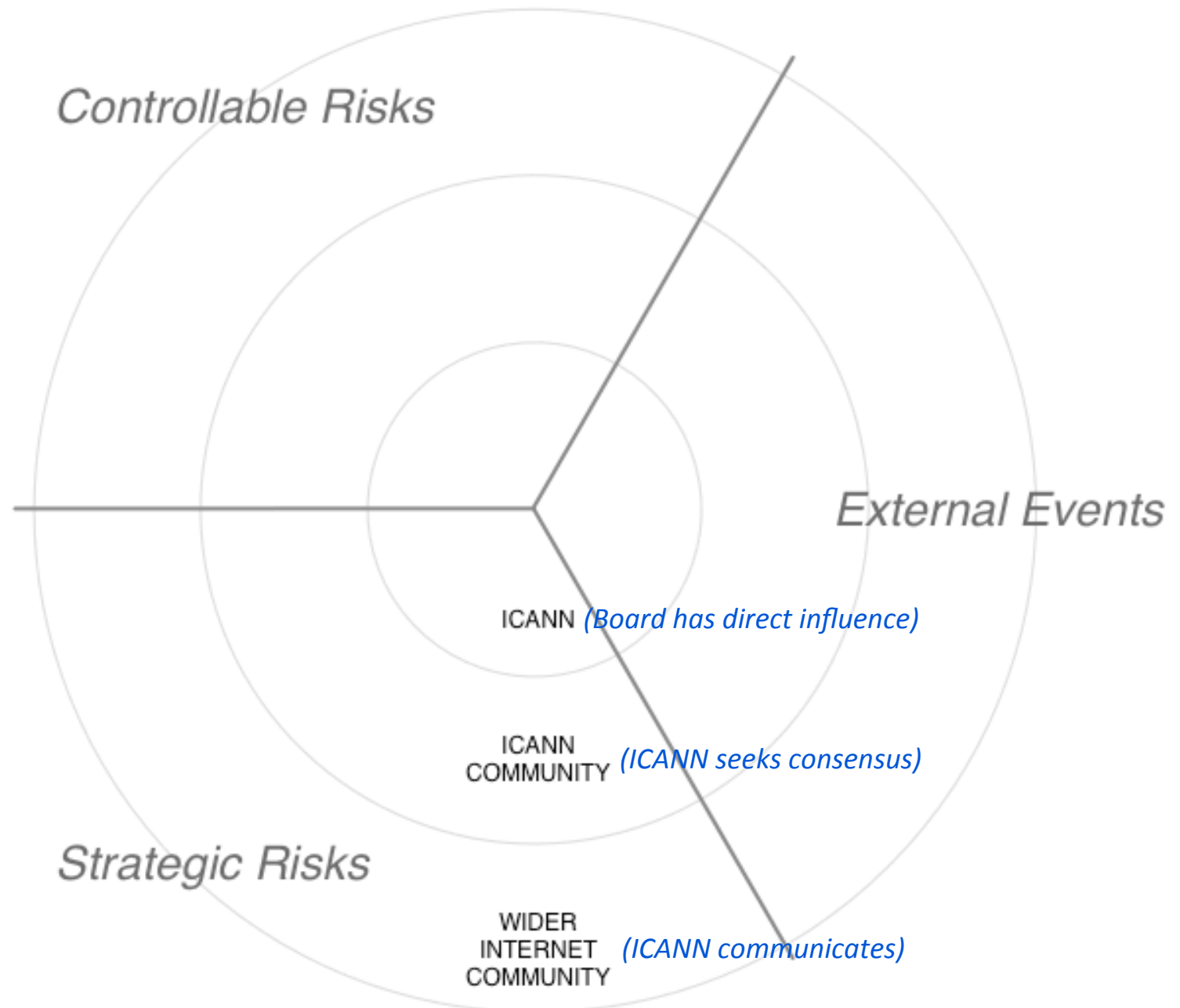
Who does what: controllable risks

Who does what: external events
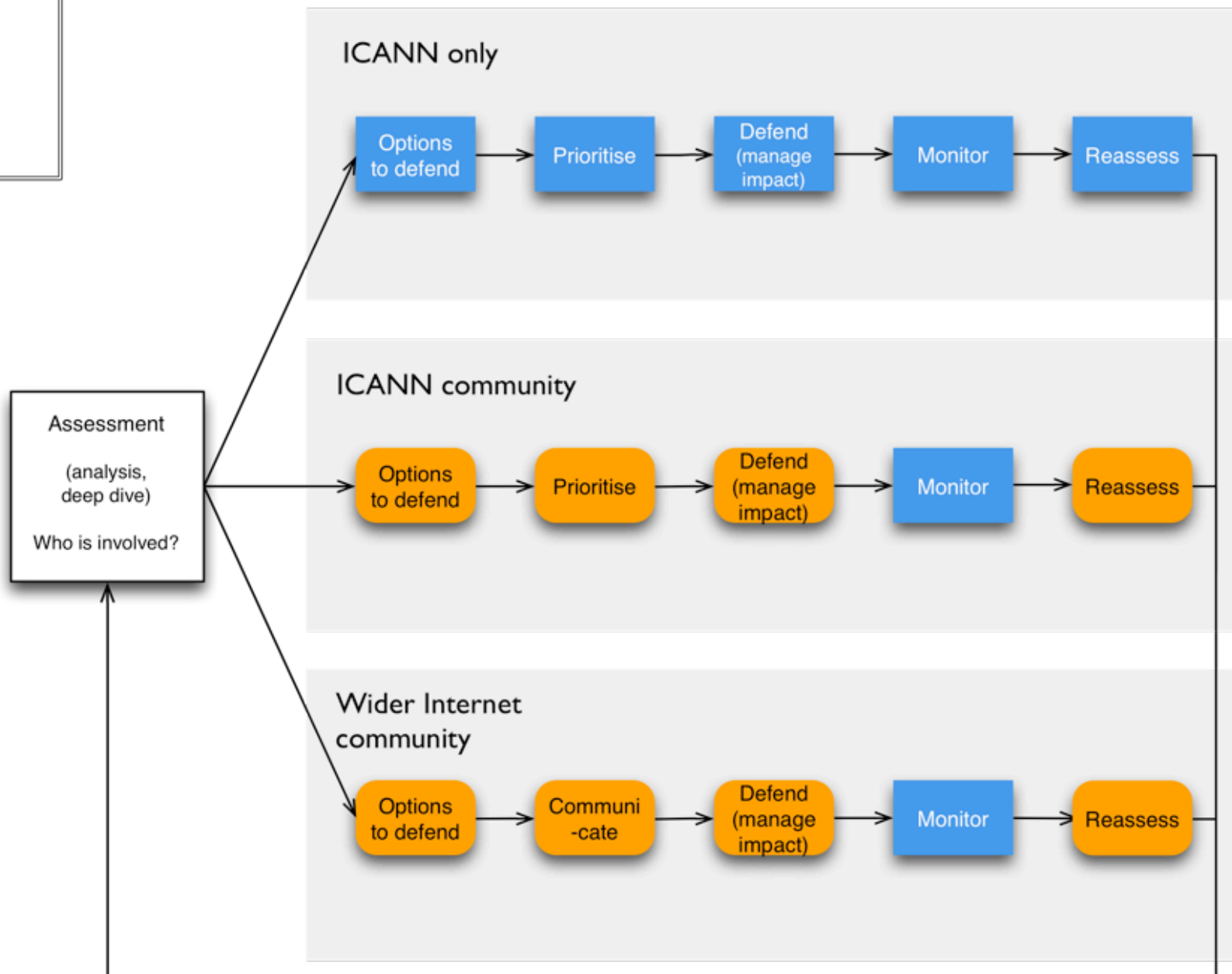
Who does what: strategic risks
(Consequences of a business decision)
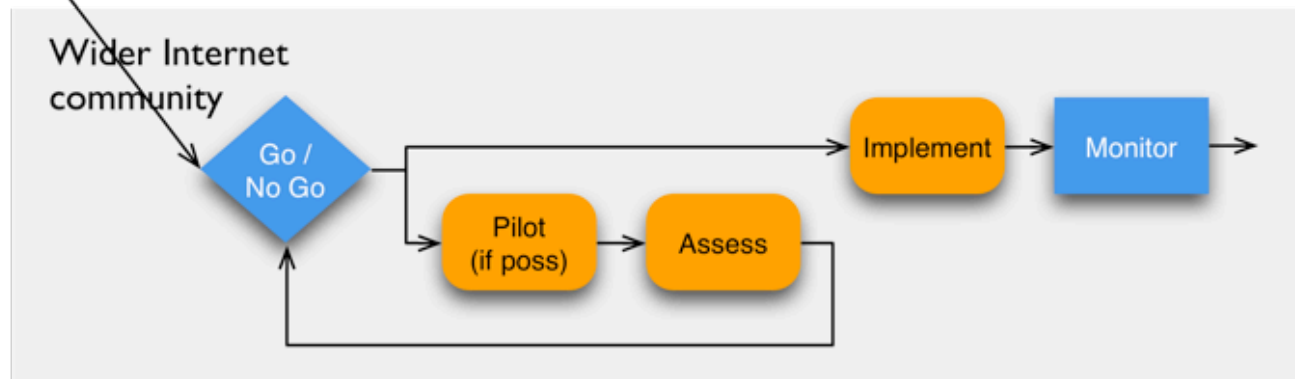
Taxonomy of Risk - Examples

Controllable Risks

Technical Attacks

DNS S/W

DDOS

DNS replaced

Governance change

External Events

GTLDs

ICANN *(Board has direct influence)*

IPv6

Open content

ICANN COMMUNITY *(ICANN seeks consensus)*

Strategic Risks

WIDER INTERNET COMMUNITY *(ICANN communicates)*

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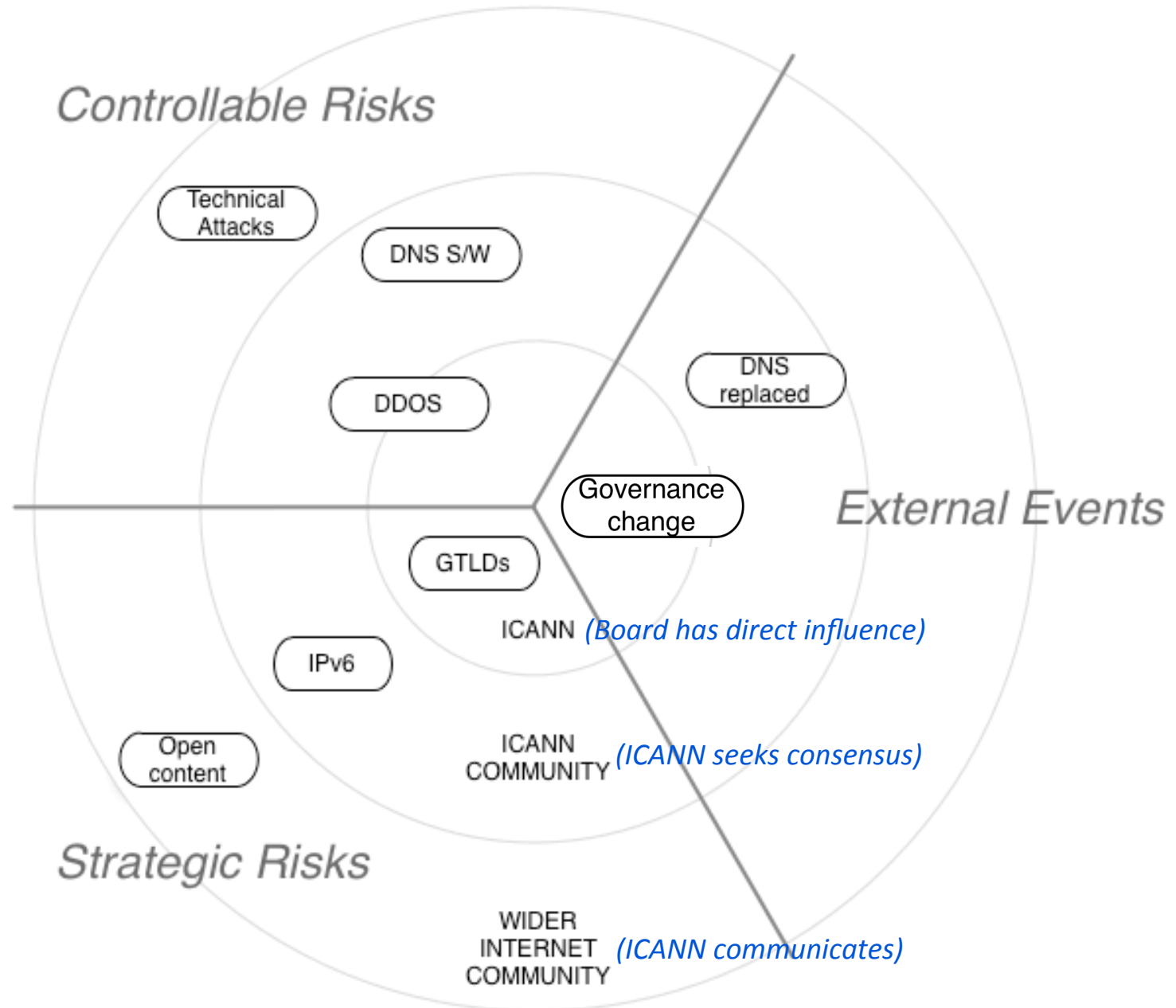
Next steps

Present proposed RMF at Beijing	✔
Seek community and staff feedback on the proposed RMF	
Further testing of RMF using example risks from DSSA WG	
Agree with ICANN staff Principles for developing: – Risk Triggers – Escalation processes – Mitigation or response actions	
Revise RMF as appropriate	
Assess preparedness of staff	
Present final RMF at Durban	

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Let's talk

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Security, Stability a