


# Institutional Analysis of the IANA Transition



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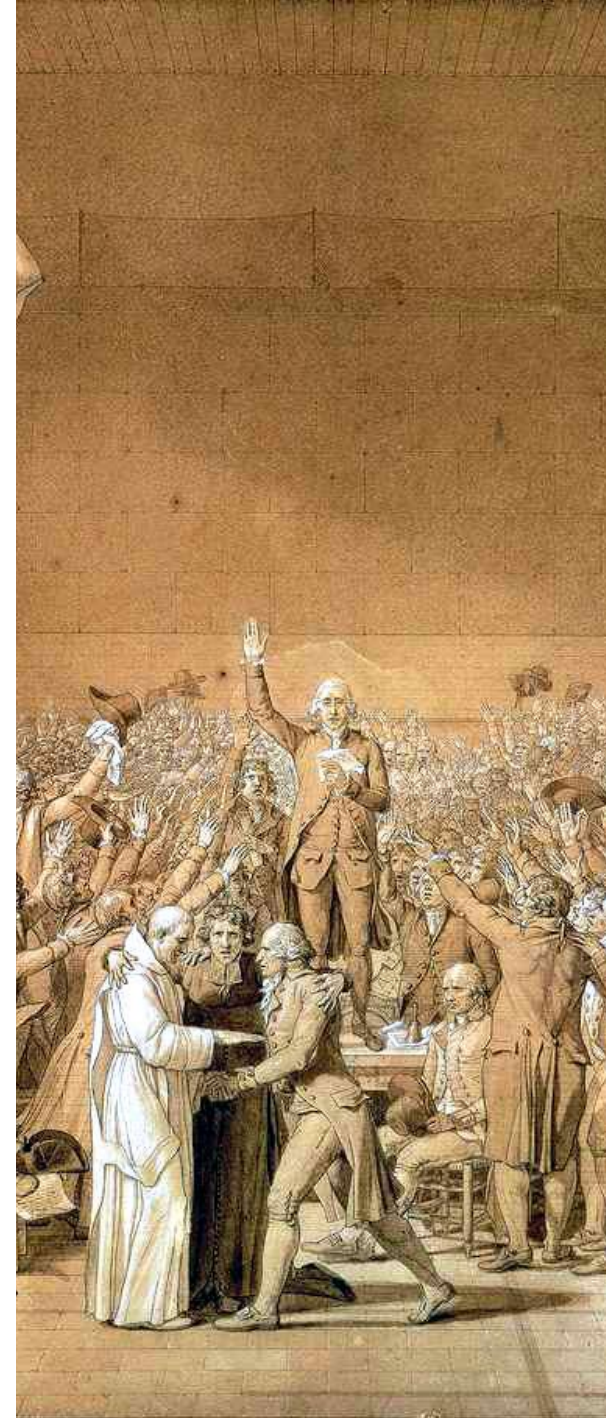
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# Governance

All modes of coordinating social action in human society.

- Governance by Government
- Governance by Markets
- Governance by Hierarchy
- Governance by Networks

(Risse, 2011)



# Institutions

Rules that humans use when interacting as individuals or as part of an organization.

(Ostrom, 2010)



# Simpler Systems

- ▶ Two Optimal Organizational Forms
  - Market
  - Government
- ▶ Two Types of Goods
  - Public Goods
  - Private Goods
- ▶ One model of the Individual
  - Rational, Utility maximizer

(Ostrom, 2010)



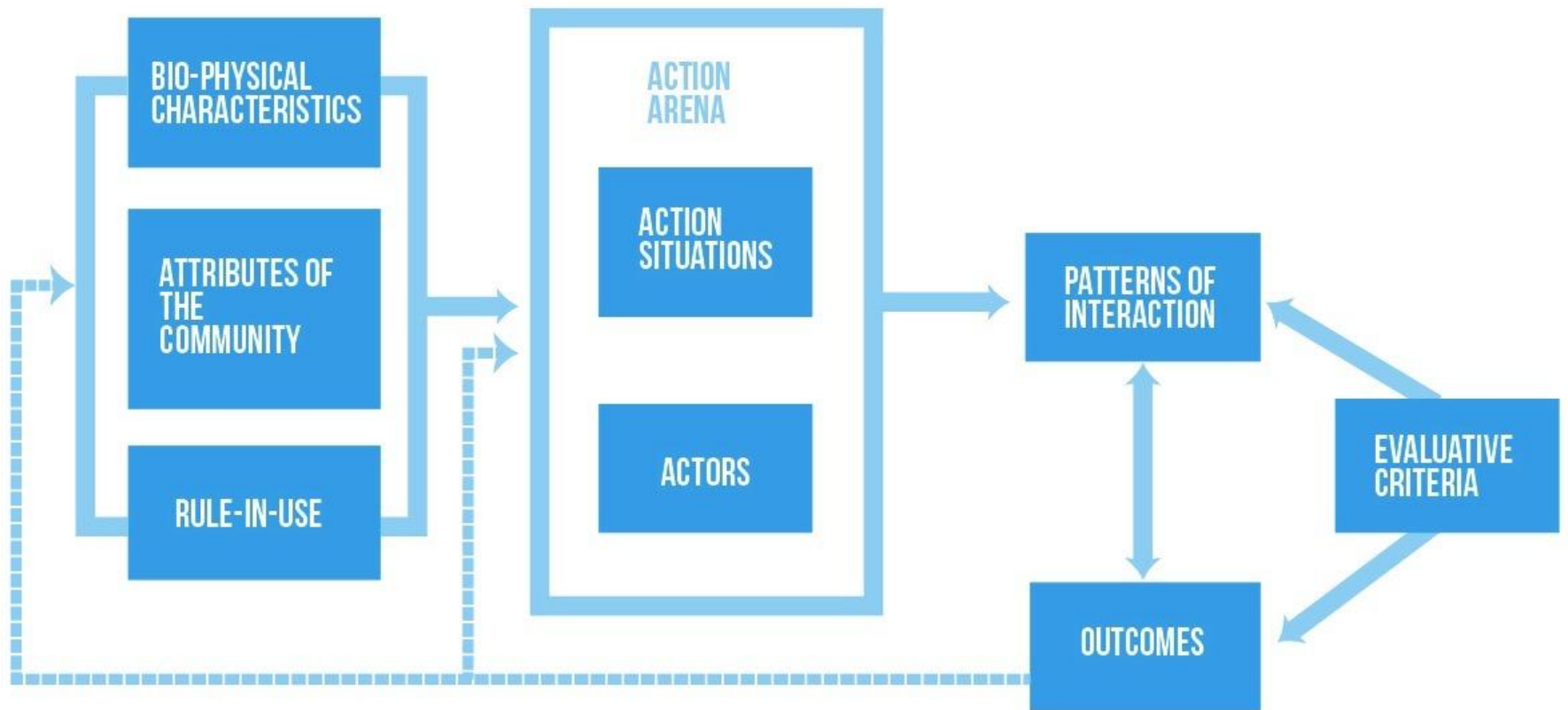
The humans we study have complex motivational structures and establish diverse private-for-profit, governmental, community institutional arrangements that operate at multiple scales to generate productive and innovative as well as destructive and perverse outcomes.

*- Douglas C. North*

# Polycentric Systems

- ▷ Multiple centers of Decision Making
- ▷ Function  
Independently/Interdependent
- ▷ Contractual and Cooperative
- ▷ Political Jurisdictions
- ▷ Predictable patterns of Interaction

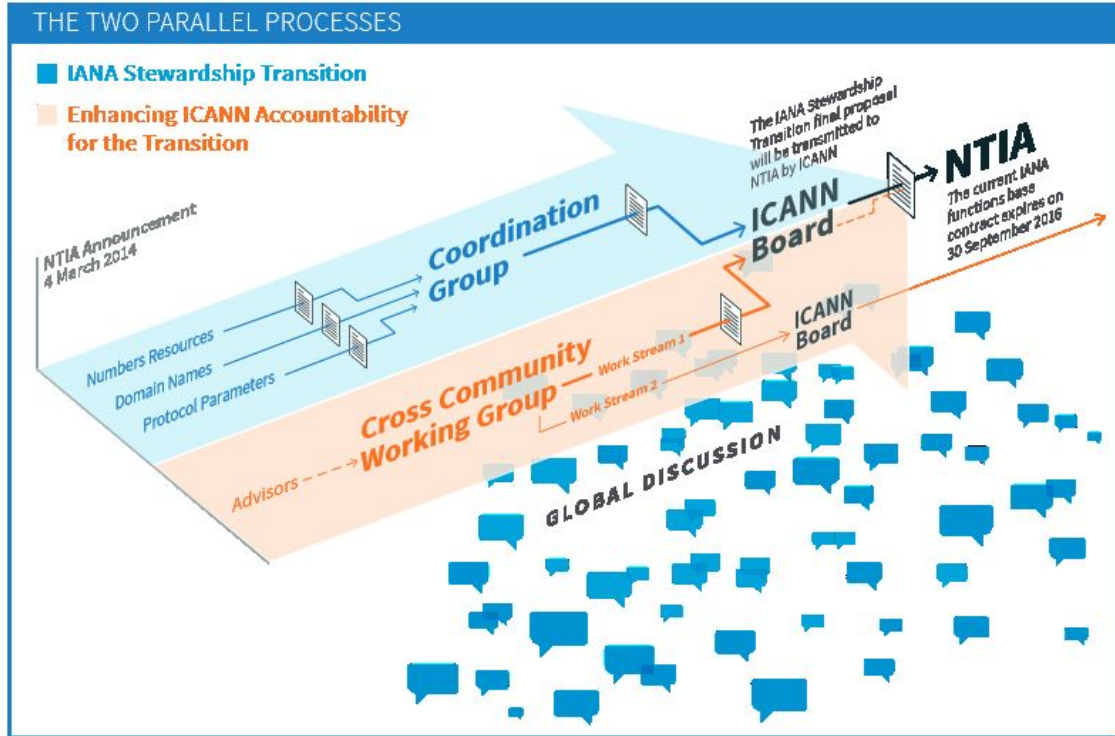
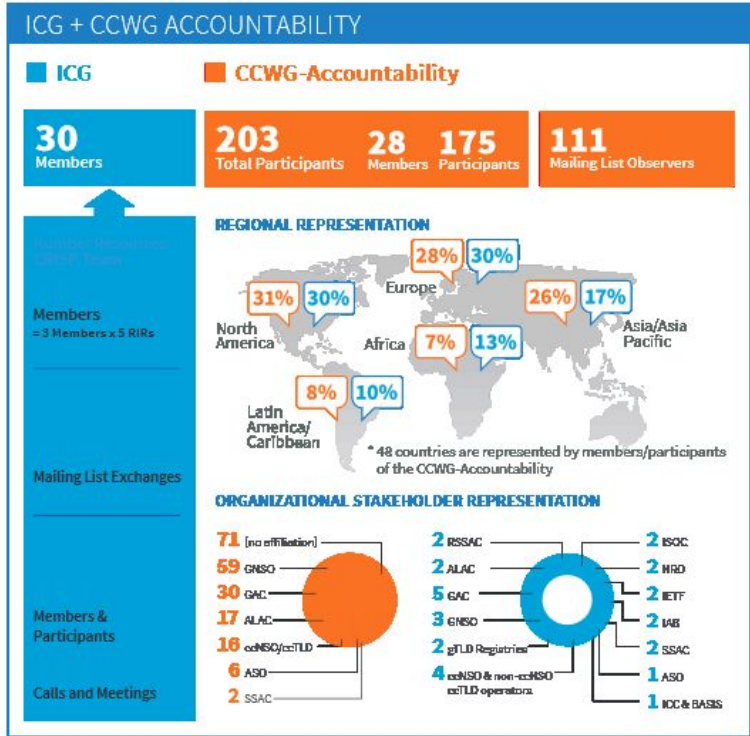
(Ostrom, Tiebout, and Warren, 1961)



Institutional Analysis and Development Framework, Adapted from Ostrom, 2005

# Action Arena: ICANN

## Action Situation: IANA Transition





# Exogenous Variables

## Biophysical Conditions

One of the four type of goods

## Attributes of the Community

History of prior interactions,  
Internal homogeneity  
/heterogeneity of key  
attributes, community  
knowledge and social capital

## Rules-in-use

Common understanding of  
those involved. These  
evolve over time as  
stakeholders interact



# Variables in an Action Situation

- ▷ Participants
- ▷ Position
- ▷ Outcomes
- ▷ Action-Outcome Linkages
- ▷ The Control that participants exercise
- ▷ Information
- ▷ The cost and benefits assigned to Outcomes

# Variables for an Actor

- ▷ The resources that an actor brings to a situation
- ▷ The valuation actors assign to state of the world and to actions
- ▷ Processing Knowledge and Information
- ▷ The processes actors use for selection of particular courses of action

# Need for the Study?

**Because ICANN is Special**

- ▷ Understand how complex governance structures govern a common-pool resource
- ▷ Provides an assessment of past efforts
- ▷ Explains behavior within a governance setup
- ▷ Can aid in future reforms and transitions

# Thank You!

## Open to Feedback

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