persistent identifier systems are based on priority binding

caching - replication
• binding and resolution are distinct functions
• resolution and registration are stewardship roles, not authority roles
• the system must be seen by everyone as under rule of law, not rule of authority

everyone is enabled to repair broken resolution
the appearance of permanence is as important as permanence itself (network effects)
• any resolution system is a threat to the identifier system
• authority-free resolution is a must
• authority-free binding is desirable