

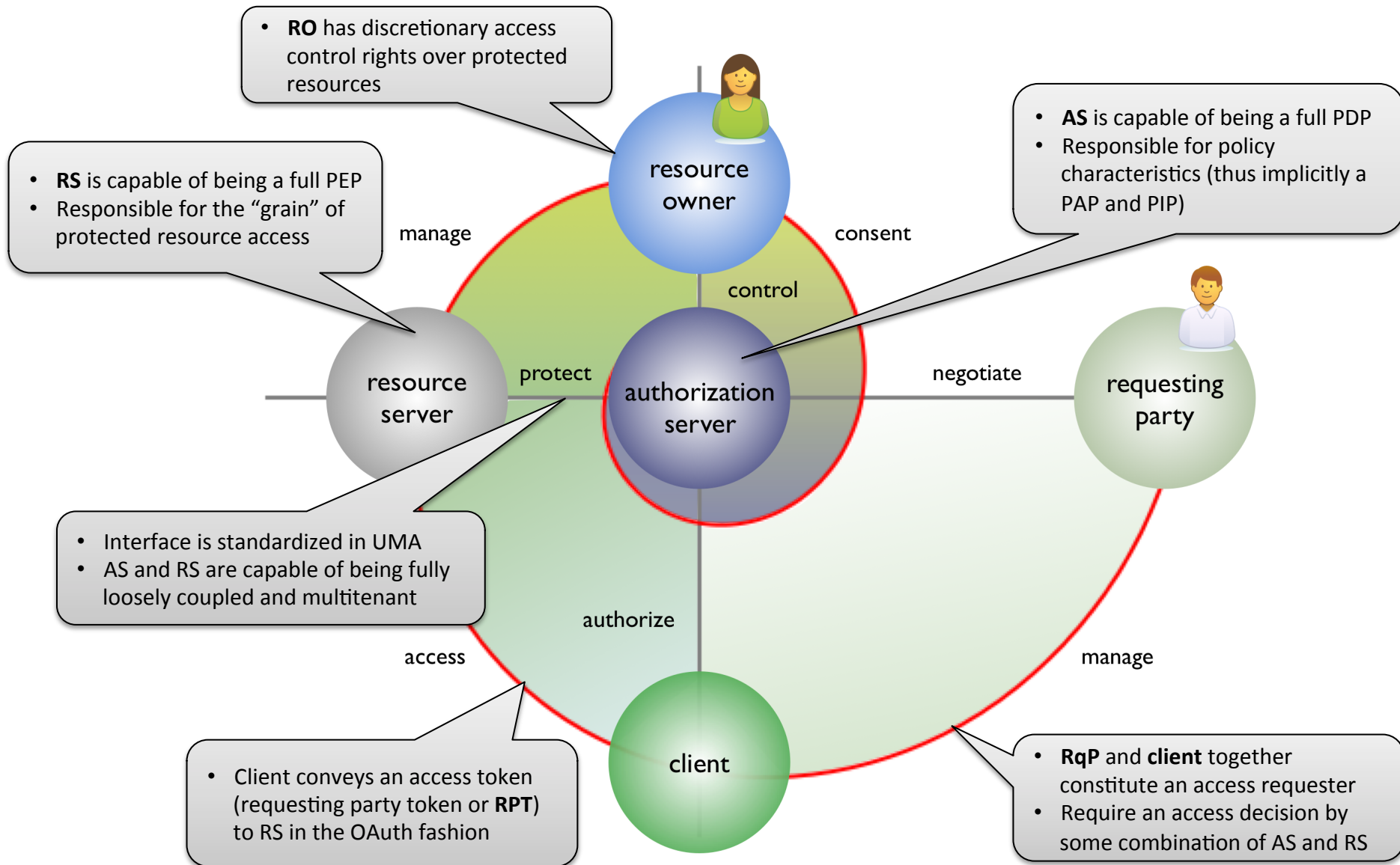
# UMA's relationship to distributed authorization concepts

19 October 2013

[tinyurl.com/umawg](http://tinyurl.com/umawg)

@UMAWG

# Basic terms and concepts in UMA

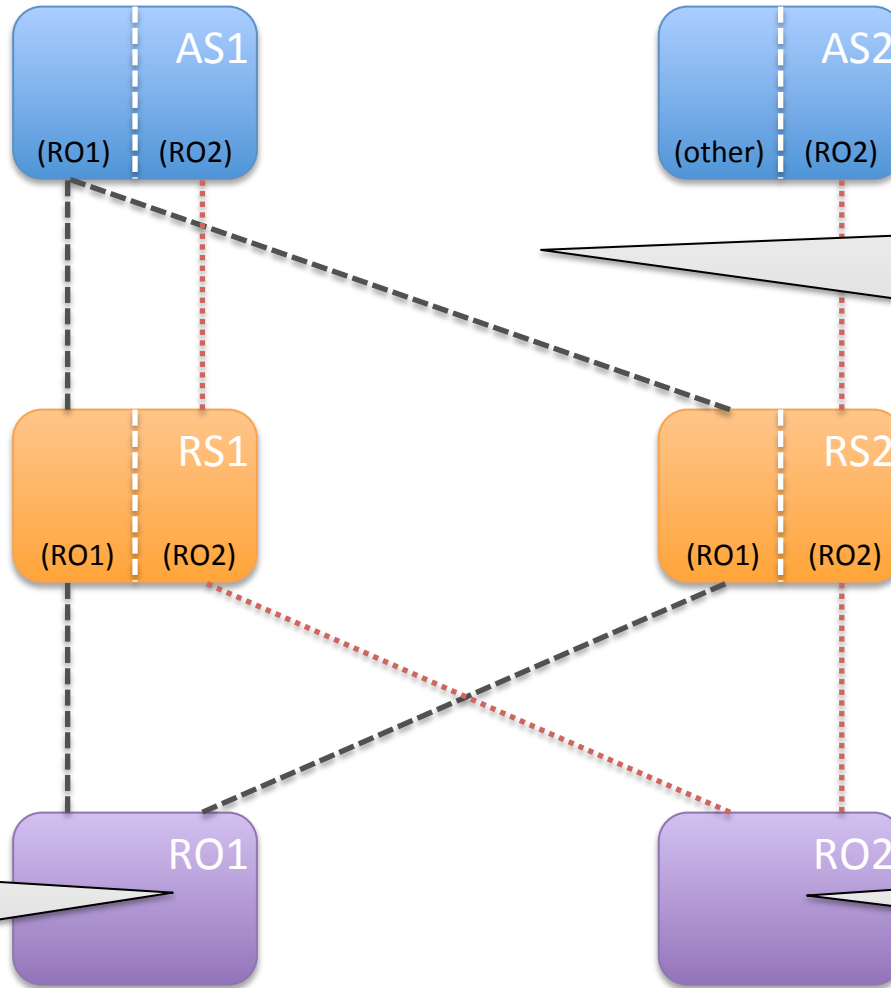


# Implications of AS-RS loose coupling and multitenancy

administer policies

protect resources

manage resources

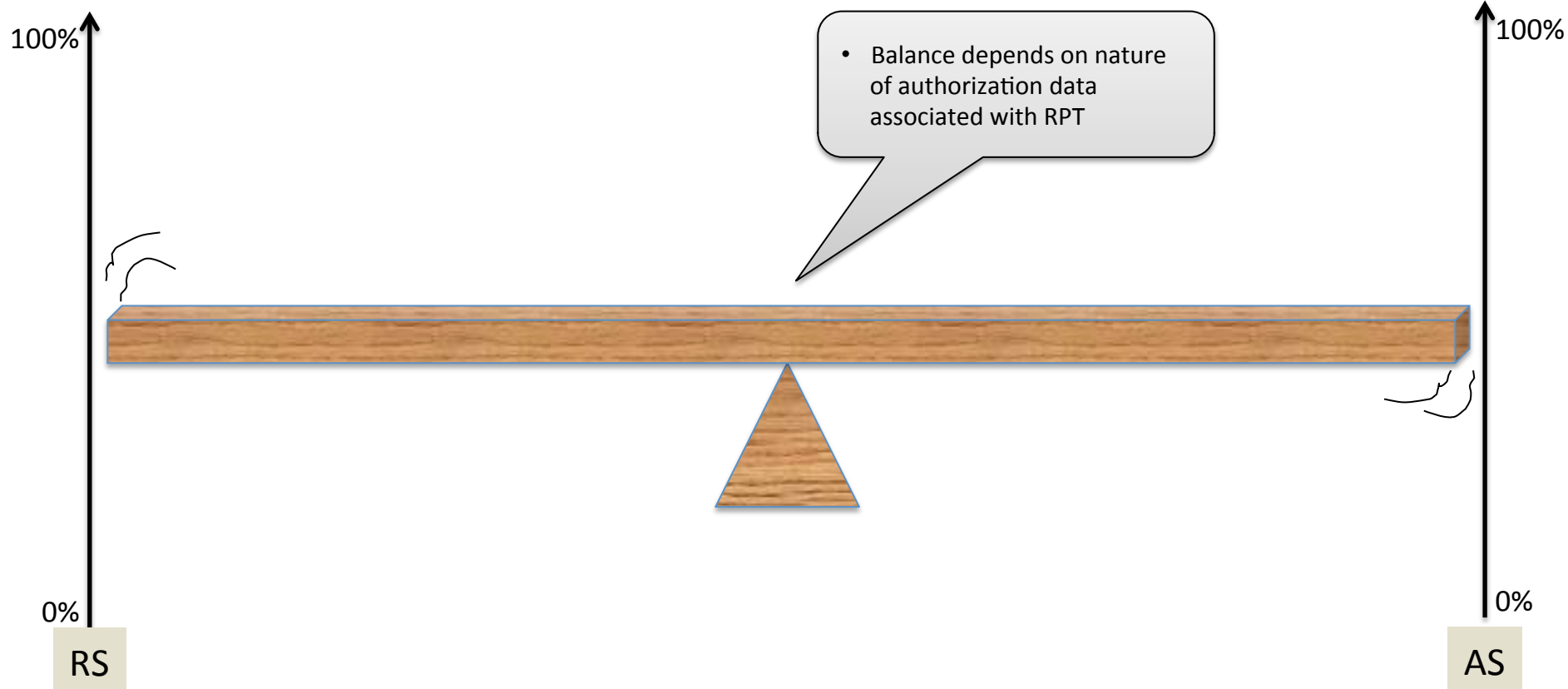


• RS operators and AS operators may all be different parties  
• May need to operate at Internet scale, with mobile and other devices

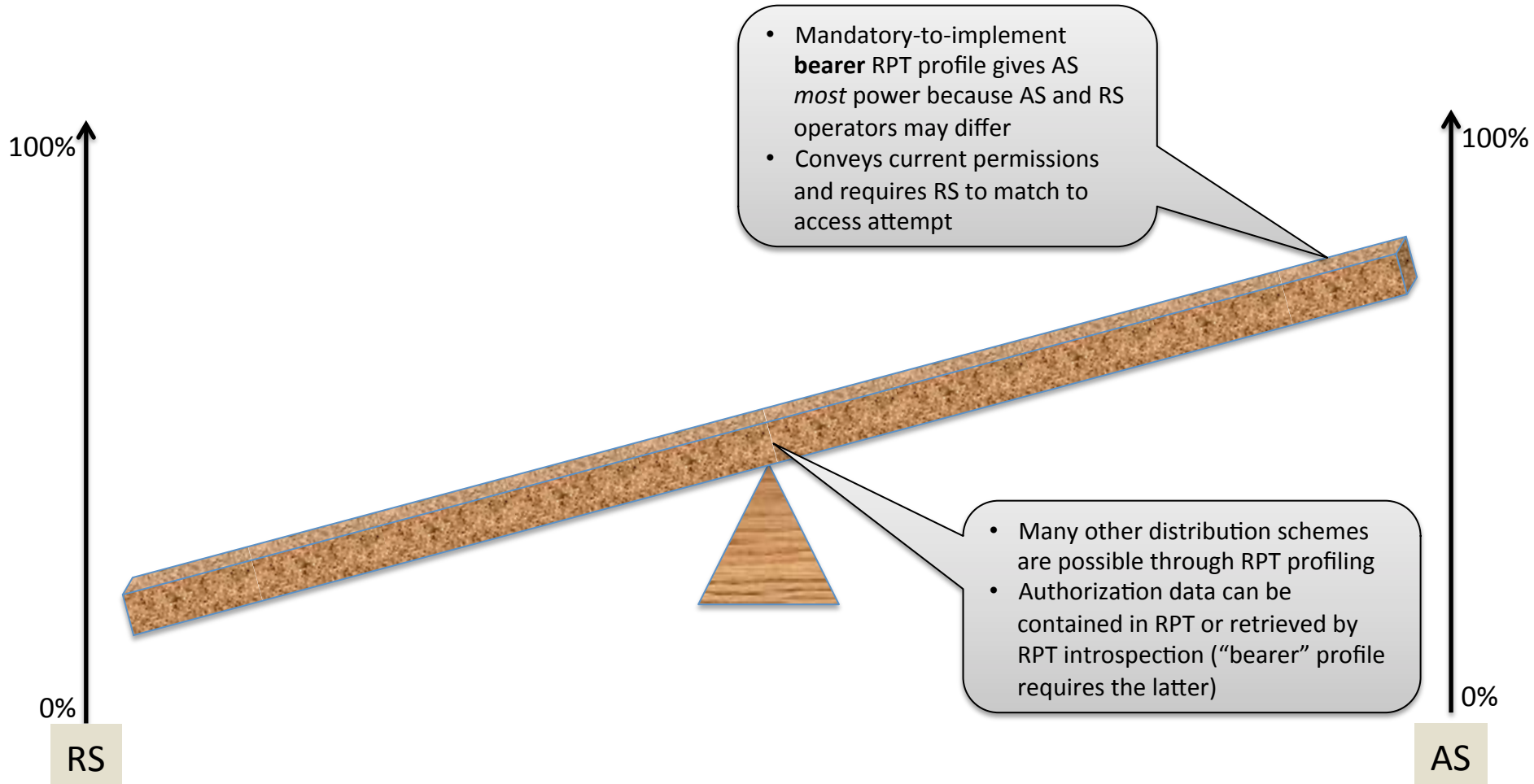
• RO1 uses AS1 to protect resources from more than one RS

• RO2 uses more than one AS to protect its various resources

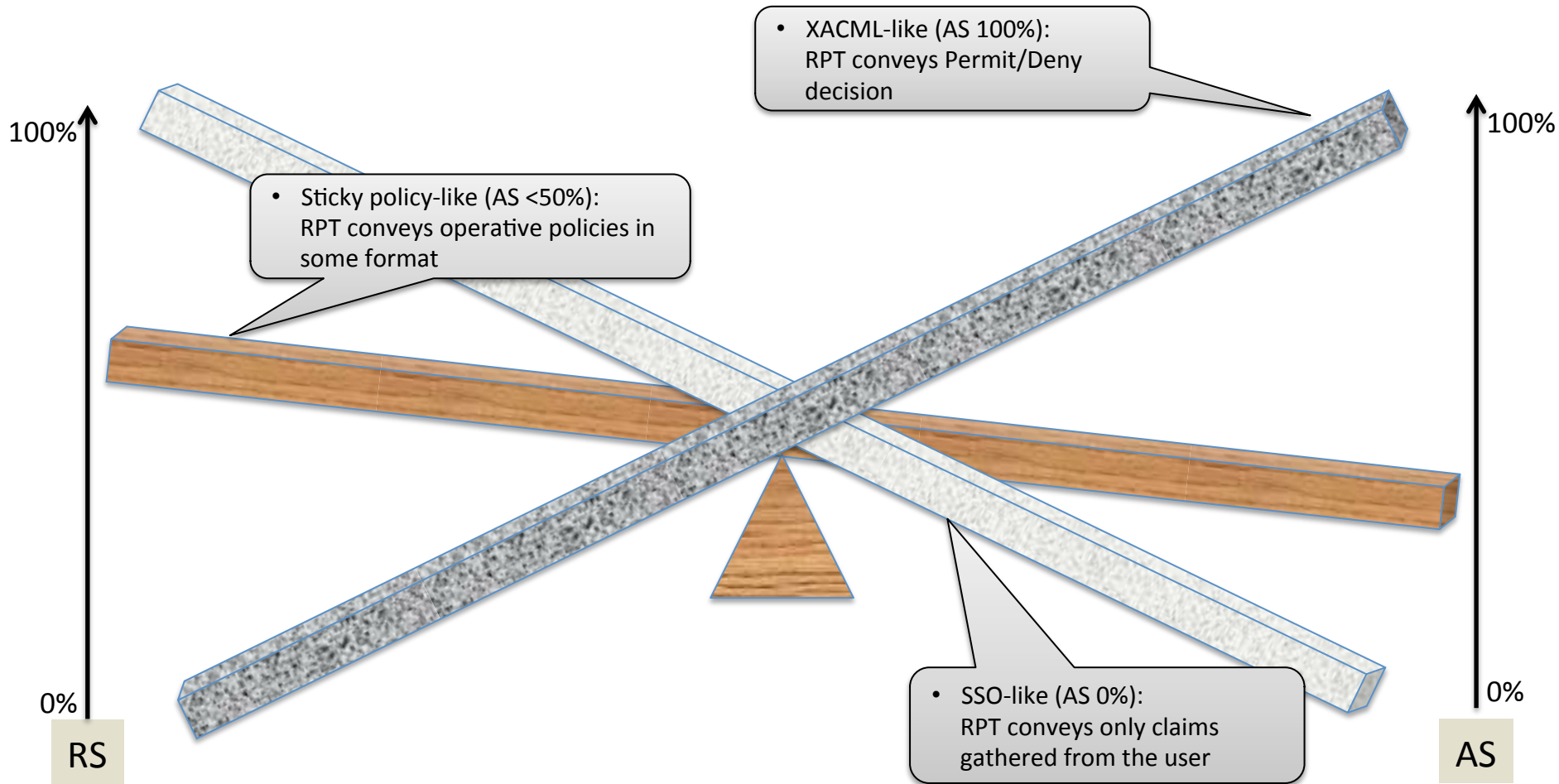
# Opportunities for distribution of decision-making responsibility in UMA



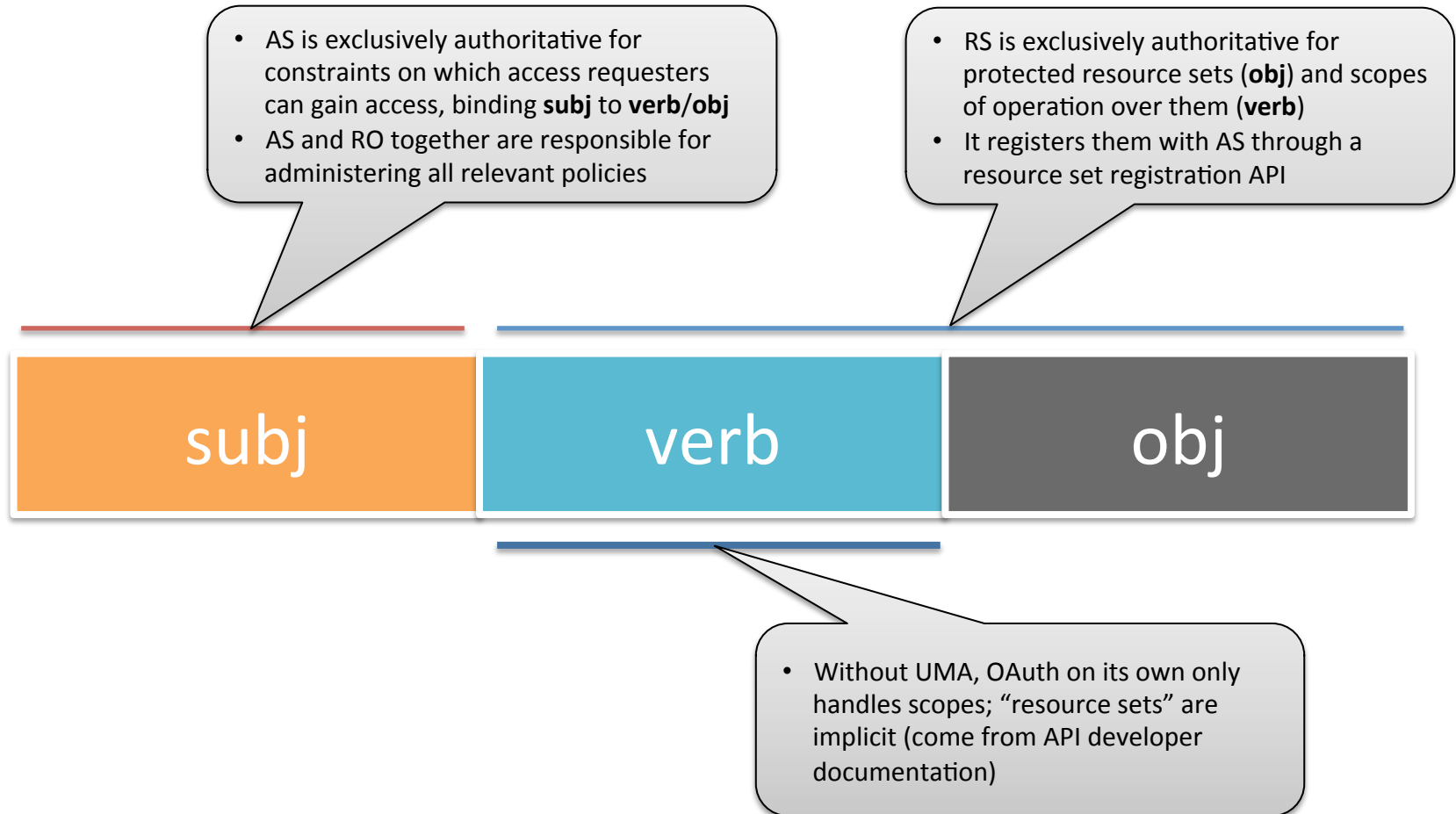
# Default distribution of decision-making responsibility in UMA



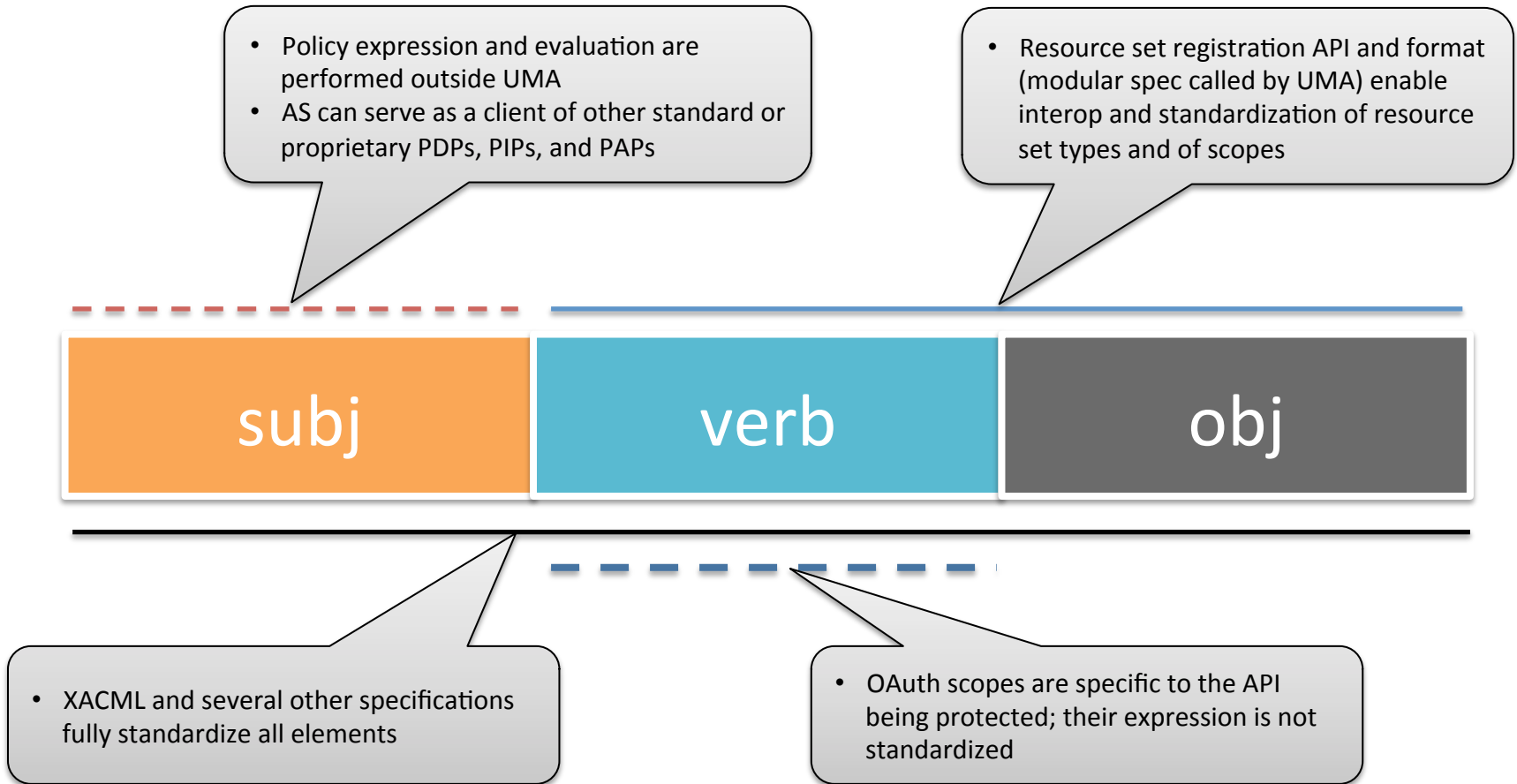
# Some additional options for decision-making responsibility



# Basic elements of policy expression and their authoritative sources



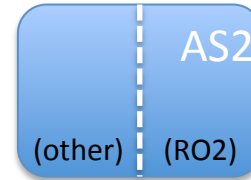
# Degree of interoperability of policy expression elements





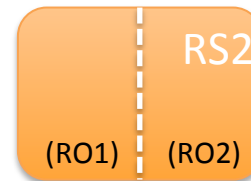
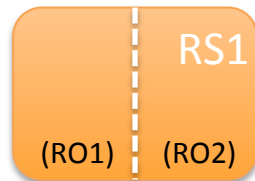
# Final observations

administer policies



- Not standardized by UMA
- UMA can integrate with other solutions (XACML standard, procedural code...)
- Each AS operator may choose a different solution (impacting multi-AS interop for one RO or RS)

protect resources



- Expression standardized by UMA
- Each RS operator can define its own resource sets and scopes, or use ones defined by others

manage resources



- Each service has its own proprietary (or standard) API