CoRAL and HSML

Media Types for Machine Interaction

Klaus Hartke and Michael Koster

Comparison

- Similarities
  - Collections of links and items
  - Forms to drive resource state updates
  - Interoperable data models
- Differences
  - CoRAL uses a data model derived from HAL
  - HSML uses CoRE Link-Format and SenML
  - CoRAL uses media types to define application semantic vocabulary and data serialization
  - HSML uses link annotation to embed application semantics

Next Steps

- Create a common use case prototype to evaluate both approaches
  - Cross-domain interoperability
  - How does the difference in semantic annotation impact application design?
  - Discovery, resource construction, application interaction
- Converge to a single representation format and interaction model over time