RDAP implementation experience at .it (1)

- server (https://rdap.pubtest.nic.it)
  - has been very challenging to match .it data model with RDAP data model
  - allows only authenticated users to submit search queries
  - implements several extensions:
    - counting, sorting and paging (draft-ietf-regext-rdap-sorting-and-paging-01)
    - partial response (draft-ietf-regext-rdap-partial-response-01)
    - reverse search (draft-ietf-regext-rdap-reverse-search-01)
    - specification
    - advanced searching and filtering
    - domain suggestion
    - searching by POSIX regular expression (draft-fregly-regext-rdap-search-regex-04)
    - ICANN requirements on vCard (draft-hollenbeck-vcariddav-icann-rdap-extension-01)

- client (in progress)
  - self-configuring client based on server specification
RDAP implementation experience at .it (2)

• validator
  • verifies the compliance with both RDAP and jCard specifications
  • is based on JSON Schema
  • has required to go through a lot of RFCs

• crawler
  • checks the responses from the servers included in IANA Bootstrap Service Registries
  • has discovered most of issues in jCard

• Future activities
  • moving forward IETF drafts
  • evaluating the submission of other extensions as IETF drafts
  • contributing to fix/replace jCard
  • completing the client
  • deploying the server in the live environment