Metadata funcionality sets the limits for the application scenario!

Application Scenario for the IMRR [please contribute]

* Context: …
* Content: …
* Users: …

Functional requirements:

The metadata schema and retrieval system must/should allow users to:

* Browse by (that means that an index must be displayed by the search engine):
  + Name of NMI
  + NMI Country
  + Subject (more than one field, controlled vocabulary)
    - Physcial propertiy / quanitity  
      types of properties:
      * mechanical
      * electrical
      * magnetic
      * thermal
      * optical
      * deteriorative
      * chemical
      * transport
      * atomic
* Field-specific search by:
  + All relevant fields (basic Index)
  + Subject fields (more than one)
    - Substance name
    - Substance role
    - Substance phase
    - Physical property
    - Measurement parameter
  + Numercial value range from … to
  + Scientific units
    - (Ray: example of how unit by be used in a query?)
  + Name of creator of dataset
  + Name of contributor
  + Name of affiliation of creator or contributor
* Limit searches by:
  + Type of resource [i.e. dataset, collection of datasets, database, …]
  + Year or Date, the resource was validated, issued,..
  + Language of metadata, dataset internal description
  + Format of dataset file
  + Country of origin
  + property category (see above strawman list)

Note that searches can be limited „post-search“ via facet-browsing (as with on-line shopping sites) where a side bar provides clickable counts of number of hits in various categories such as those provided above

All records must contain the following (external) administrative information, which will be exposed to the public display and provided for OAI-Harvesting:

* Rights information, including restrictions on reuse
* Name of institution publishing the resources to the Web
* Quality metrics

All records must contain the following (internal) administrative information, which will be suppressed from public display and OAI-Harvesting:

* If there are some