

Documenting NOAA Data

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This Procedural Directive establishes

1) a metadata content standard (International Standards Organization [ISO] 19115 Parts 1 and 2) and

2) a recommended representation standard (ISO 19139)

for documenting NOAA's environmental data and information.

New Documentation Needs

Third Inquiry Clears 'Climategate' Scientists of Serious Wrongdoing - Newsweek - Mozilla Firefox

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UEA's delayed response to climate emails caused by shock, says professor

Former head of research unit responds to criticism by arguing for necessity of assessing excerpts by

On Environment

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2. Battle to halt BP oil spill is nearing its end, says Barack Obama

scandal?

Climategate, as attained mythical status, has now reached a new low. In the last year from the start of the scandal, the University of East Anglia (UEA) has established that global warming is a scientific conspiracy. It has also established what happened.

In November 2009, the documents and e-mail from the Climate Research Unit (CRU) at the University of East Anglia (UEA) were leaked. Citing the e-mail exchanges, skeptics alleged that scientists had used a "journalist's trick" of adding in the real temps to each series for the period (from 1961 for Keith's to hide the decline," wrote the CRU messages that spanned 13 years, celebrated the death of a climate scientist that the scientists would censor papers that did not fit their theory.

http://www.newsweek.com/index.html

The climate scientists at the centre of a media storm over leaked emails were yesterday cleared of accusations that they fudged their results and silenced critics, but a review found they had failed to be open enough about their work.

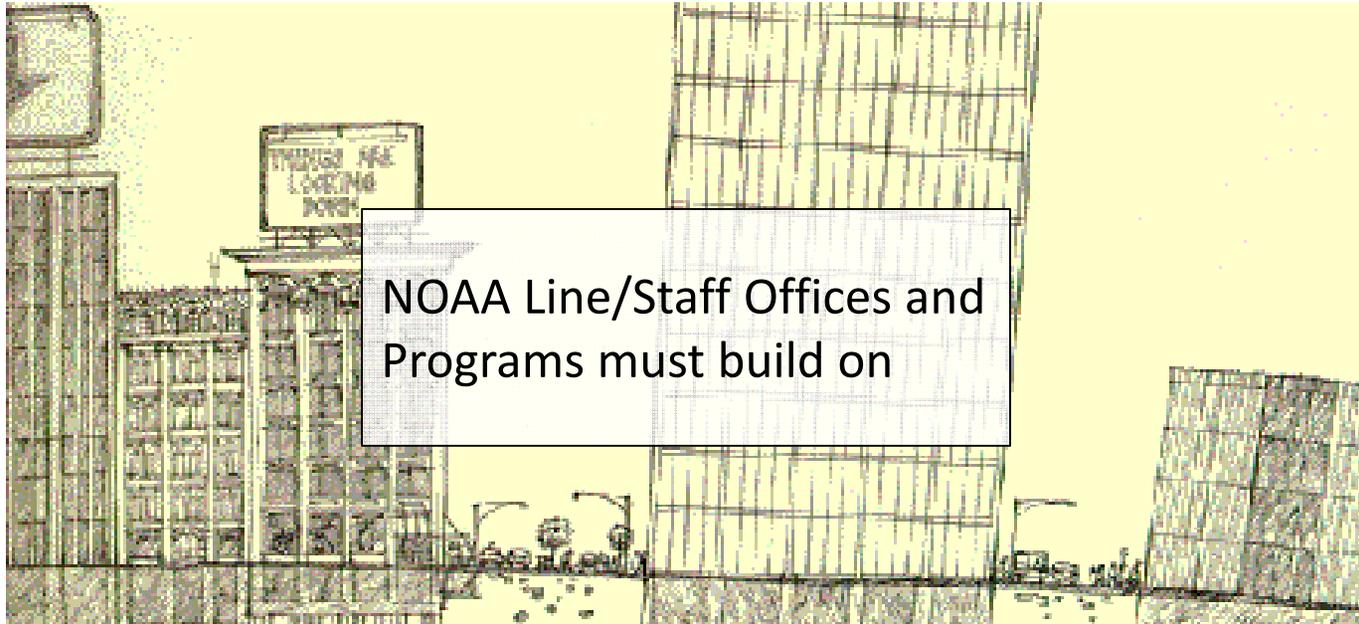
Sir Muir Russell, the senior civil servant who led a six-month inquiry into the affair, said the "rigour and honesty" of the scientists at the Climatic Research Unit (CRU) at the University of East Anglia (UEA) were not in doubt. His investigation concluded they did not subvert the peer review process to censor criticism and that key data was freely available and could be used by any "competent" researcher.

The Economist

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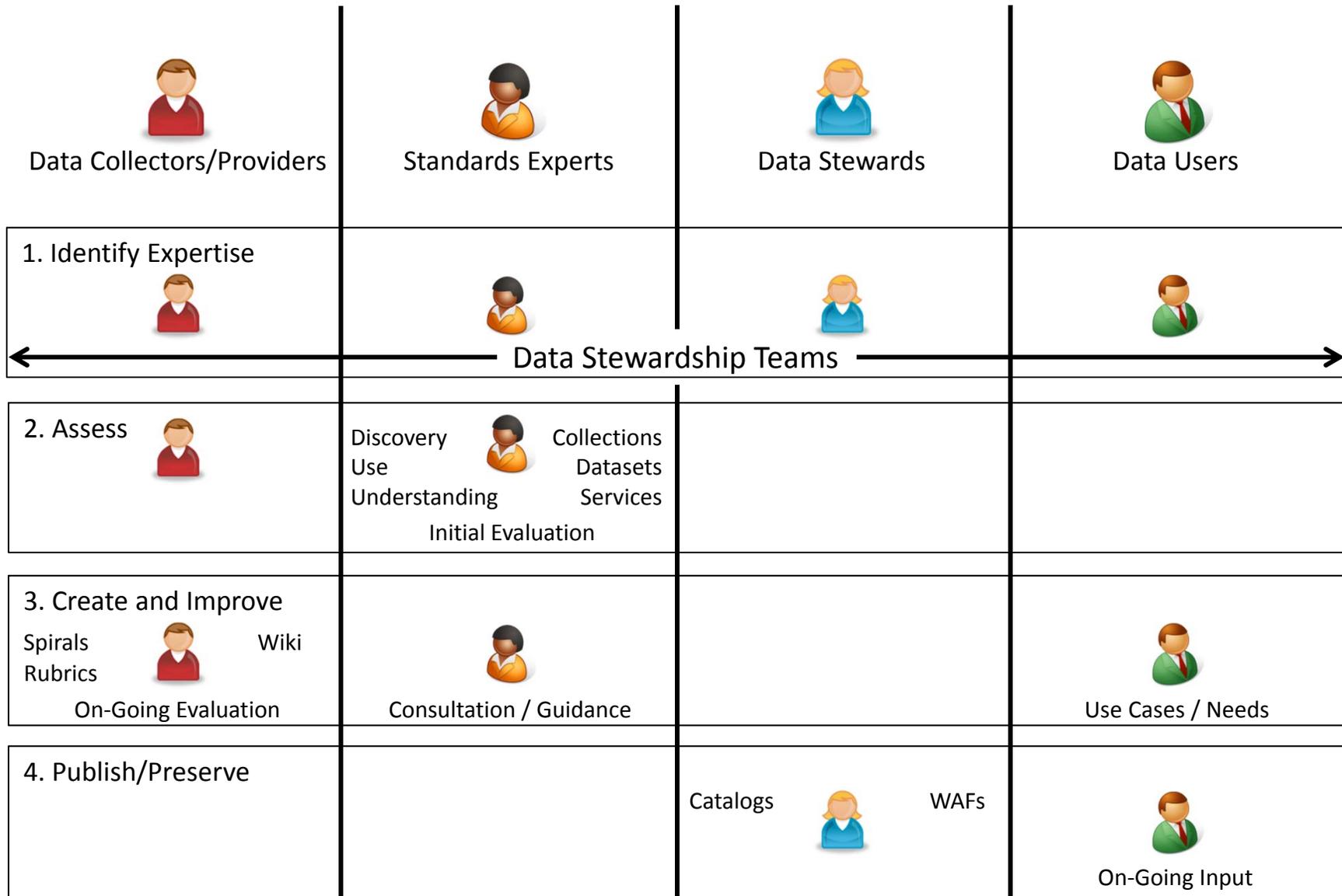
Building the Foundation Across NOAA



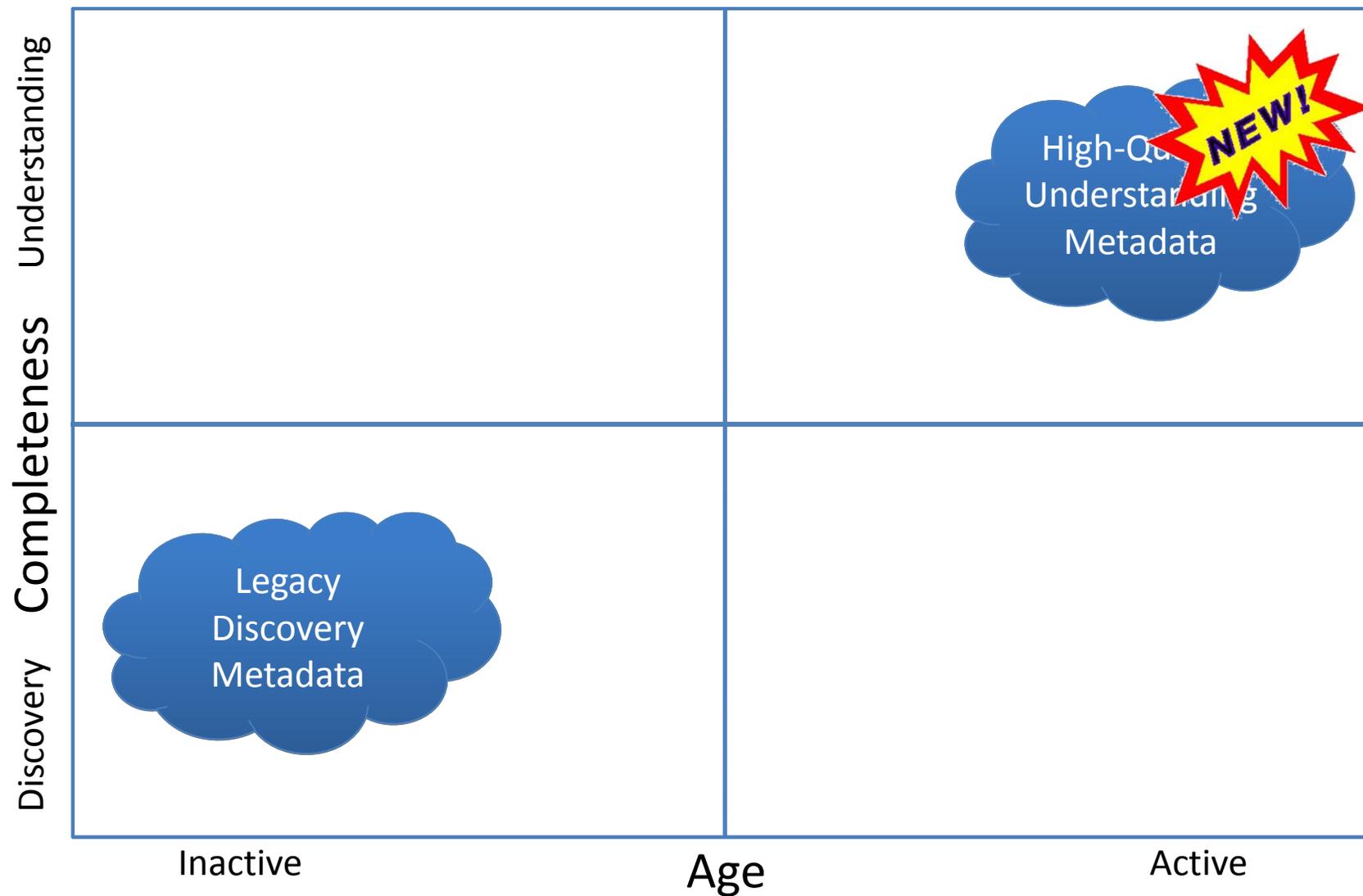
NOAA Line/Staff Offices and Programs must build on

<i>Develop and implement common metadata management tools</i>	<i>Use rubrics to establish a baseline and monitor progress</i>	<i>Promote and highlight good examples</i>
a strong foundation of support across all of NOAA		
<i>Support training specifically targeted at improving NOAA's data documentation</i>	<i>Initiate teams to work on "special documentation problems" that cross Line and Staff Offices</i>	<i>Encourage and support participation in the ISO and Open Geospatial Consortium (OGC)</i>

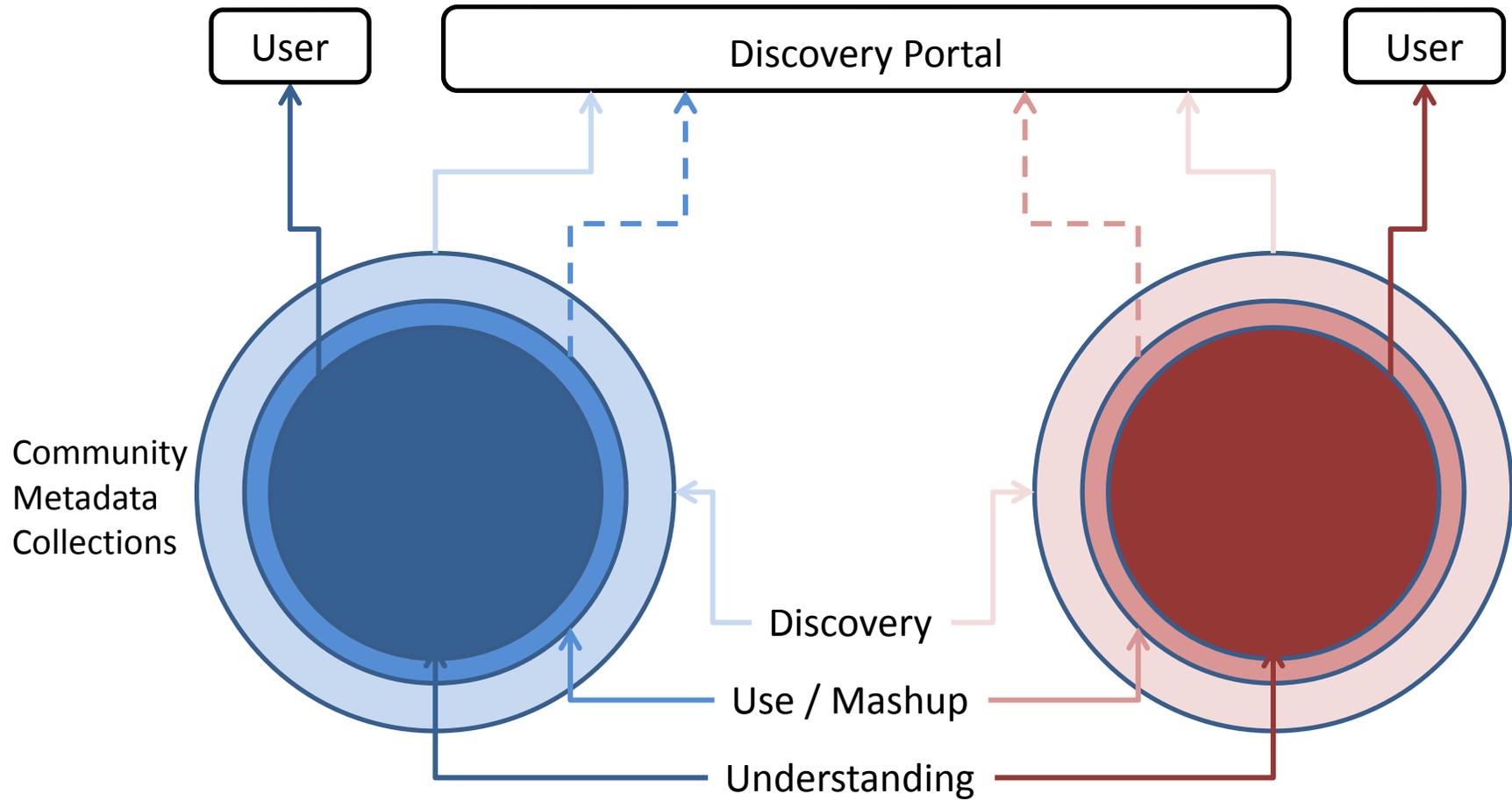
Line Office / Program Process



Assess and Improve



Metadata Types and Sharing

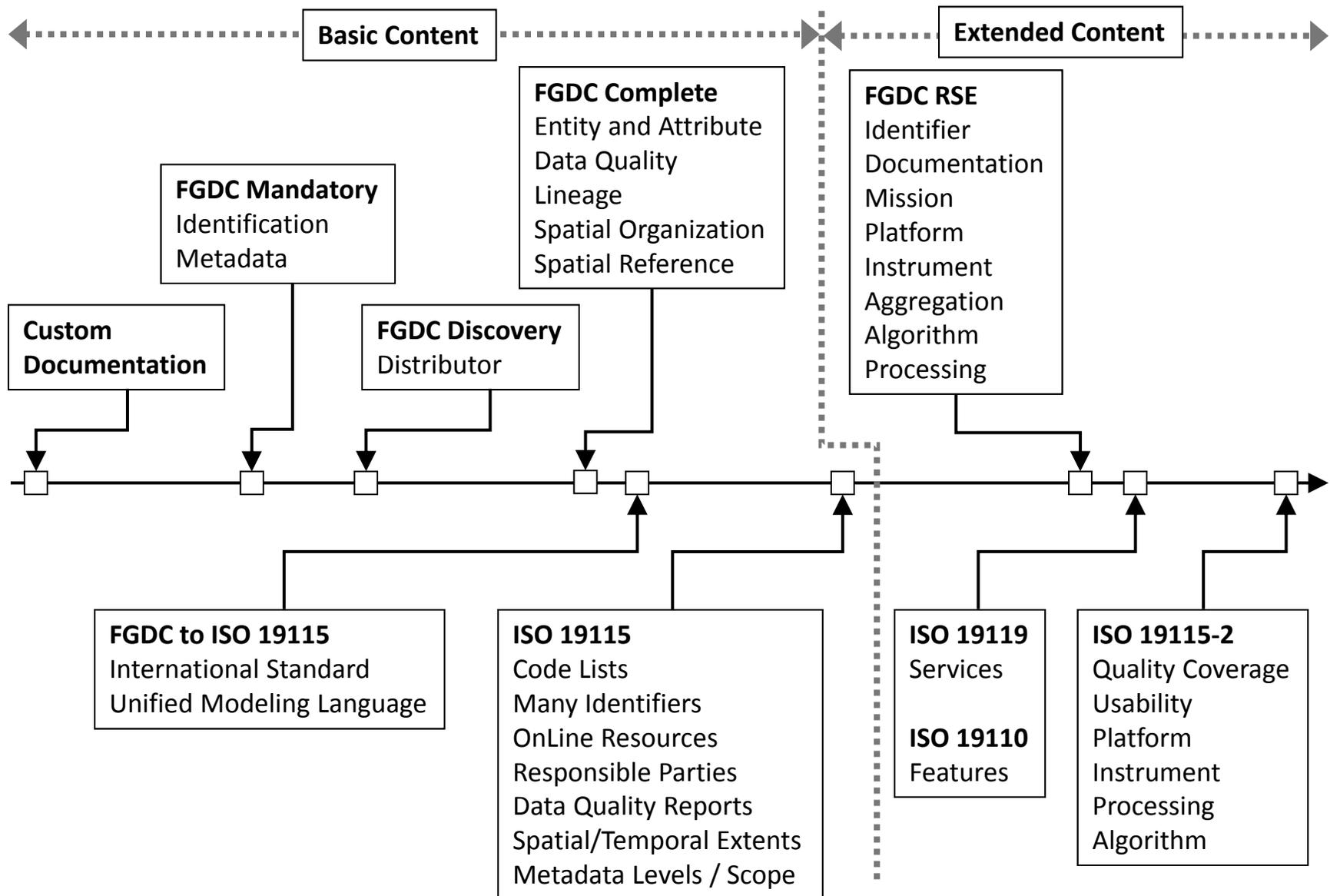


Designated Communities - Users

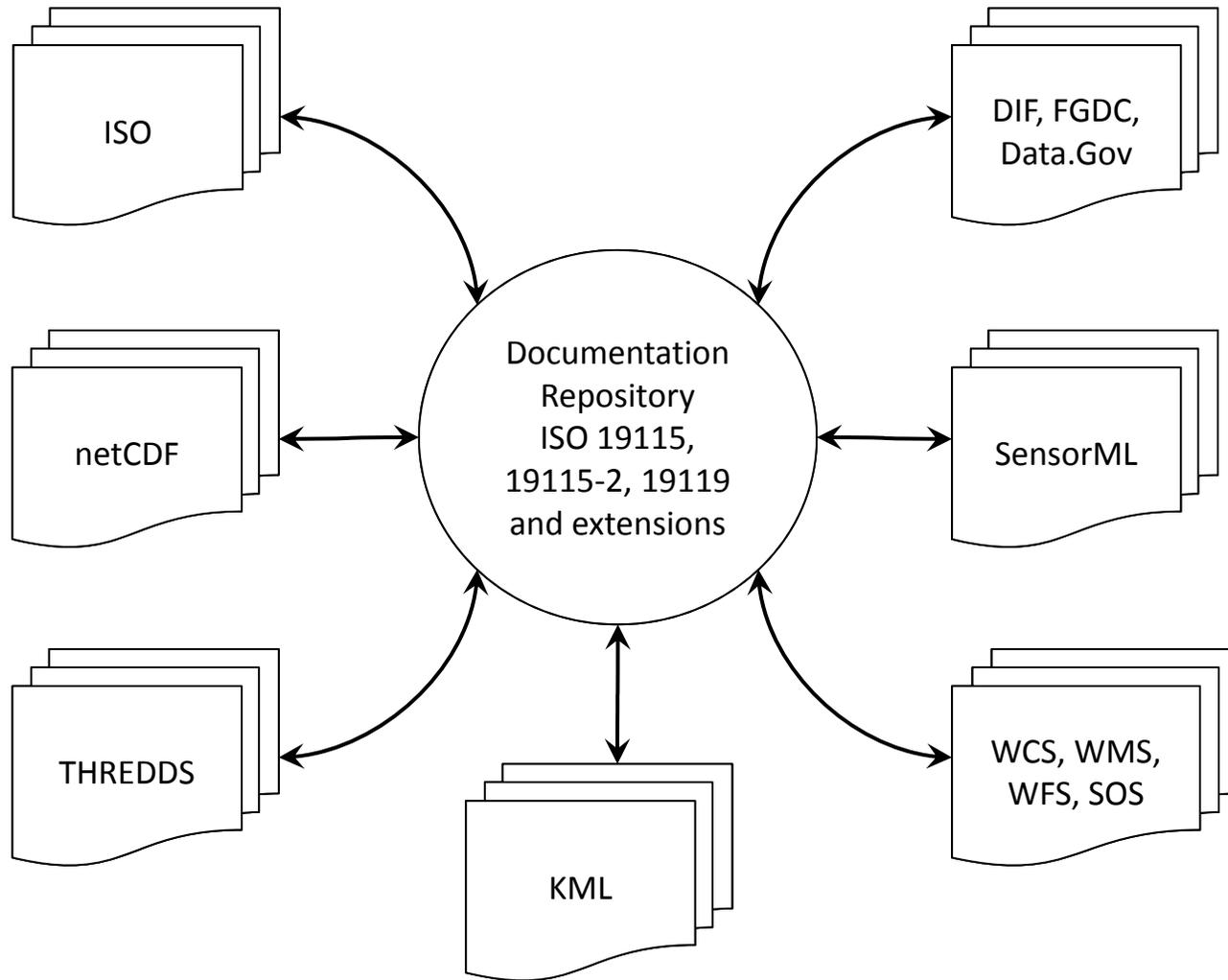


Data preservation is communicating with the future

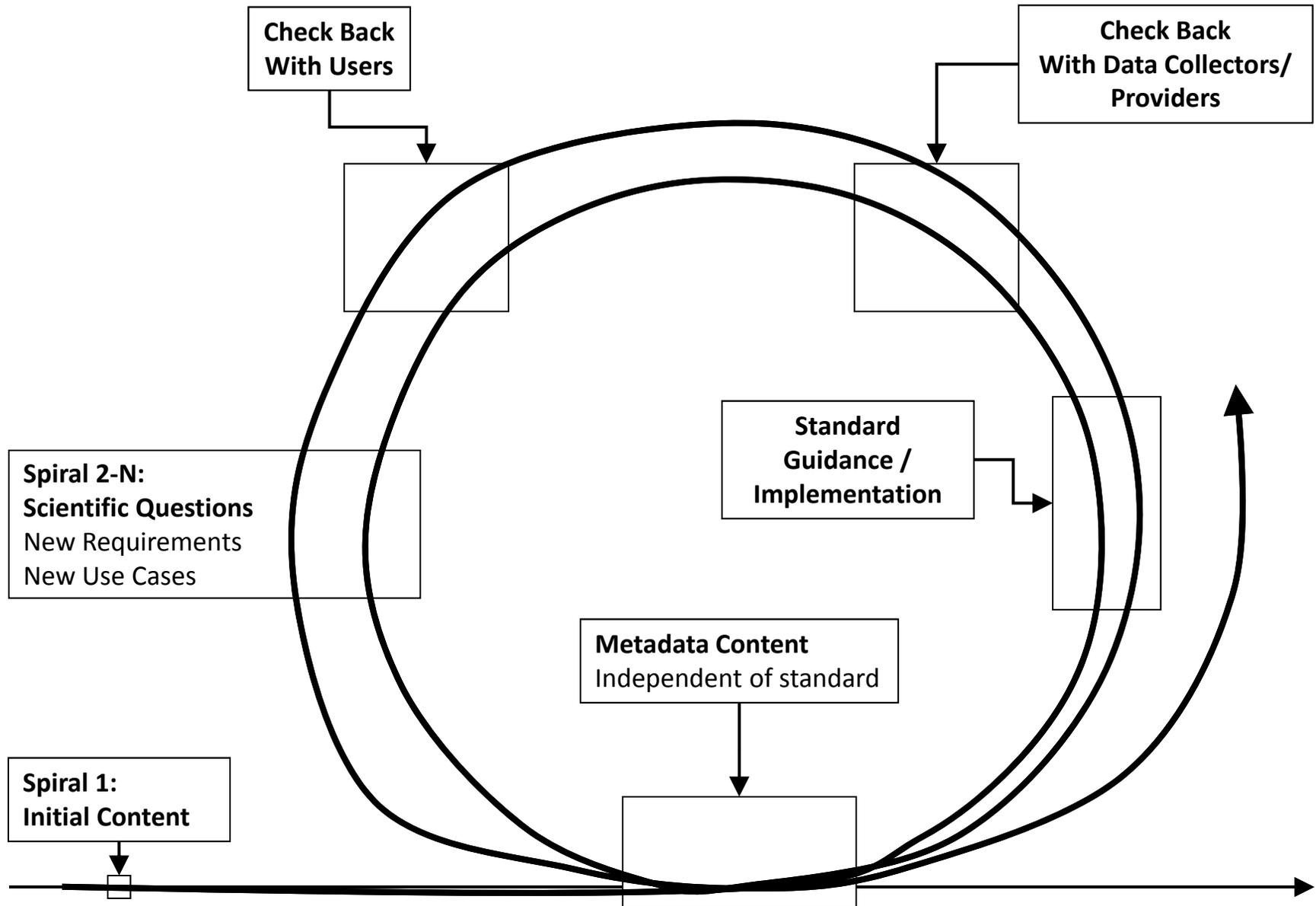
Standards Evolution



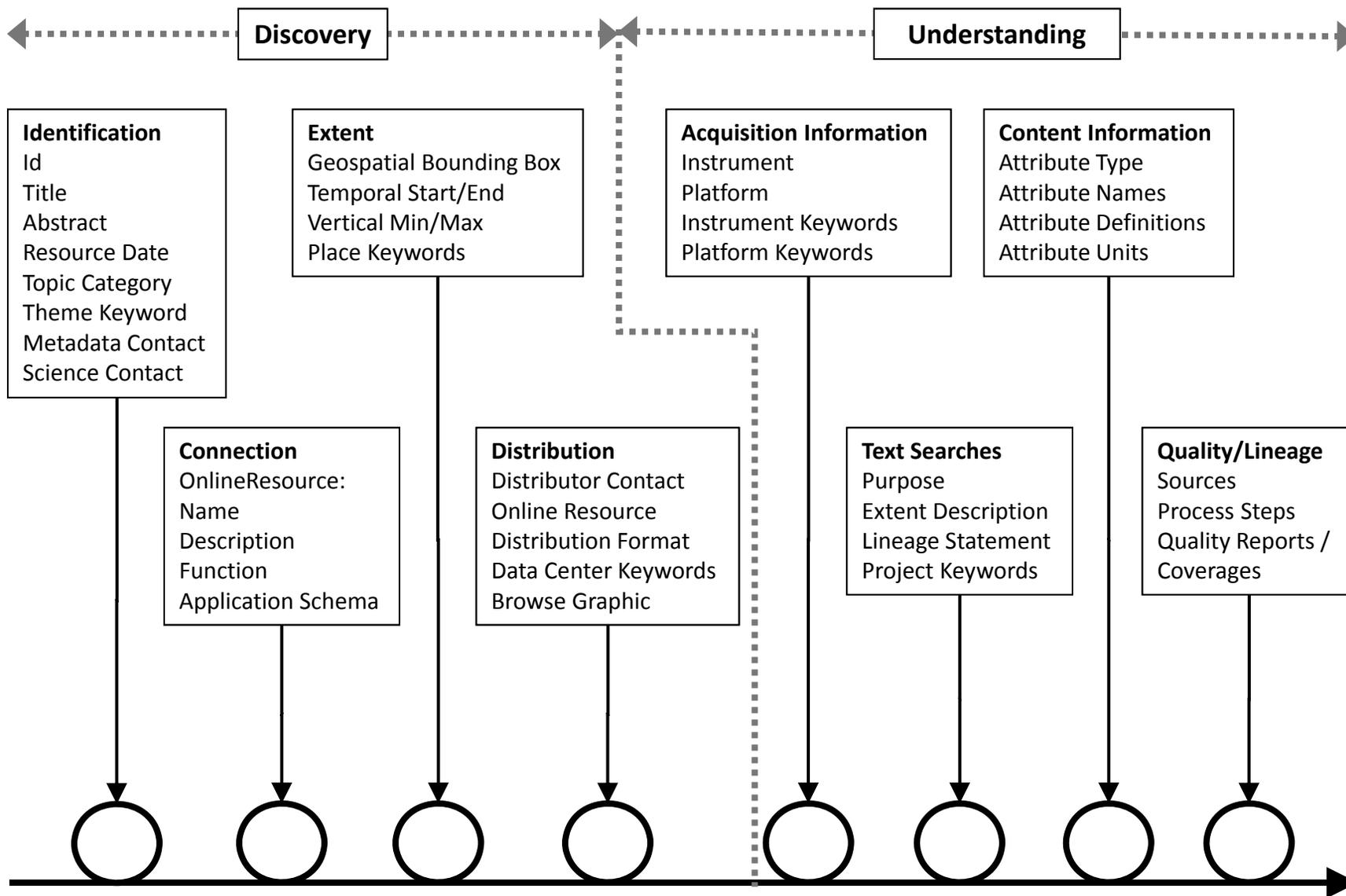
Multiple Dialects



Create and Improve Spirals



Potential Spirals



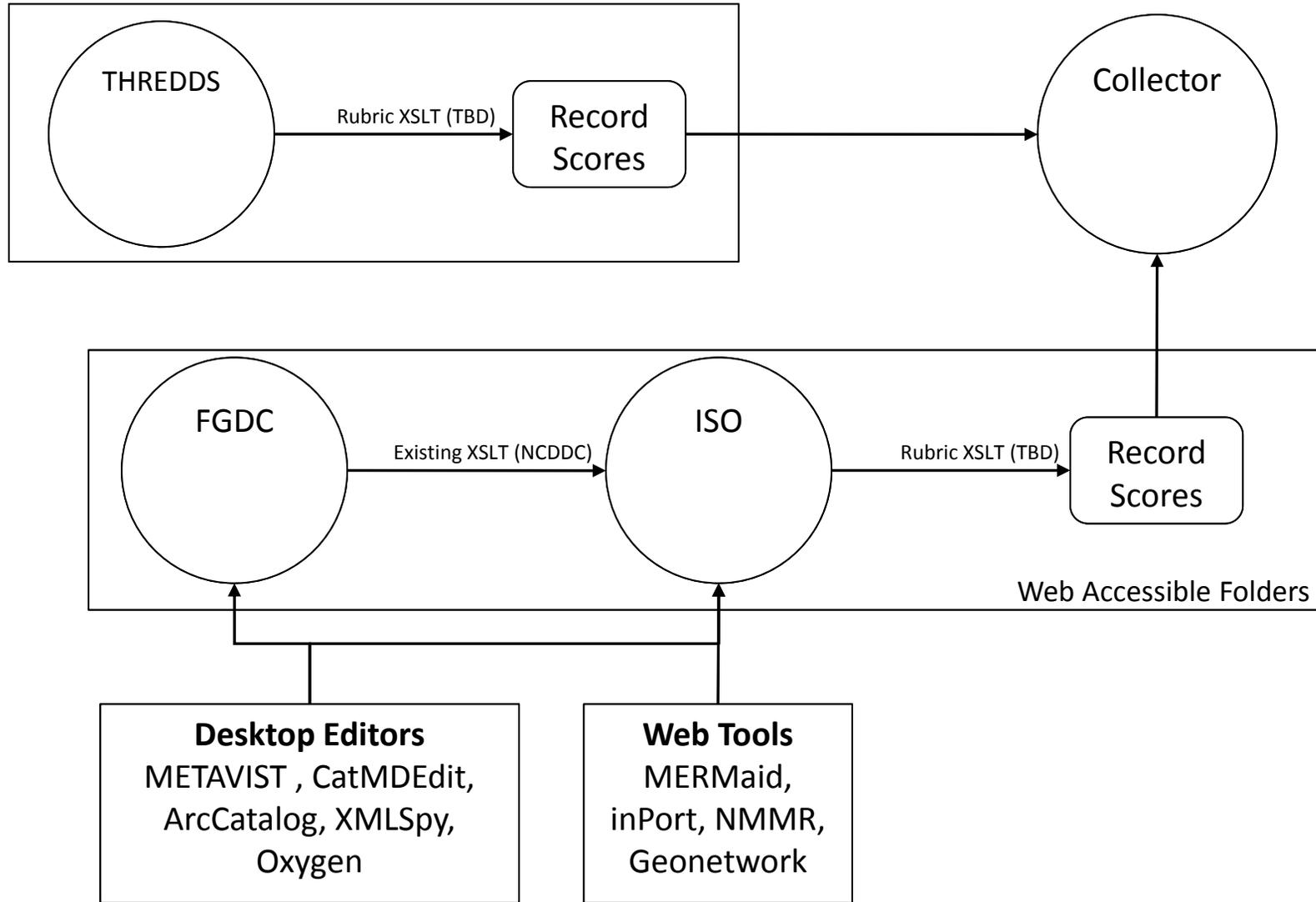
Spirals and Rubrics

Spiral	None	0-33%	34-66%	67-99%	All
Identification					
Completion					
Estimation					
Distribution					
Description					
Content					
License					
Accession Information					

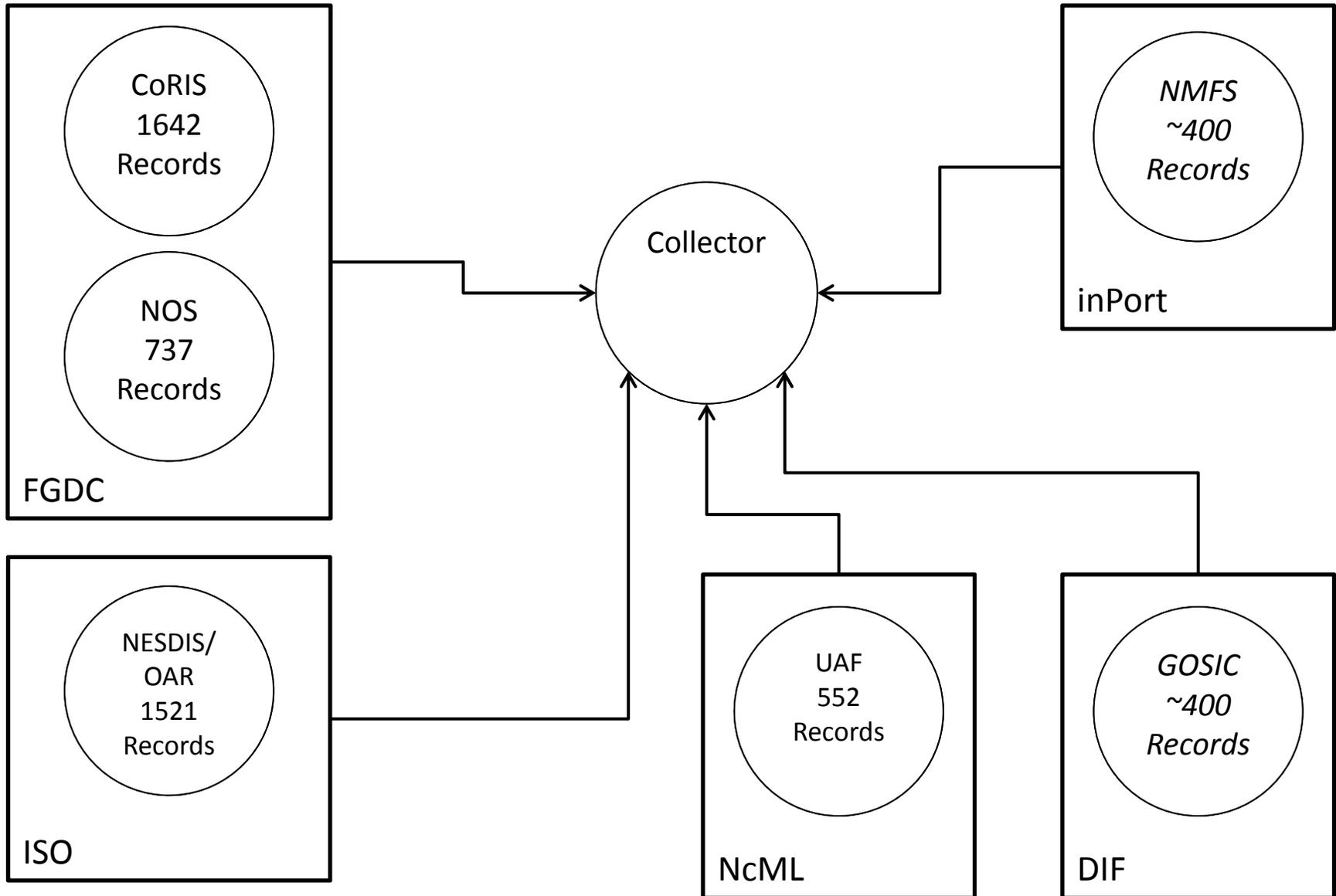
Metadata Evaluation for Dataset X
Date: 2012/08/14

Each record has a score that can be calculated using a consistent, standard tool

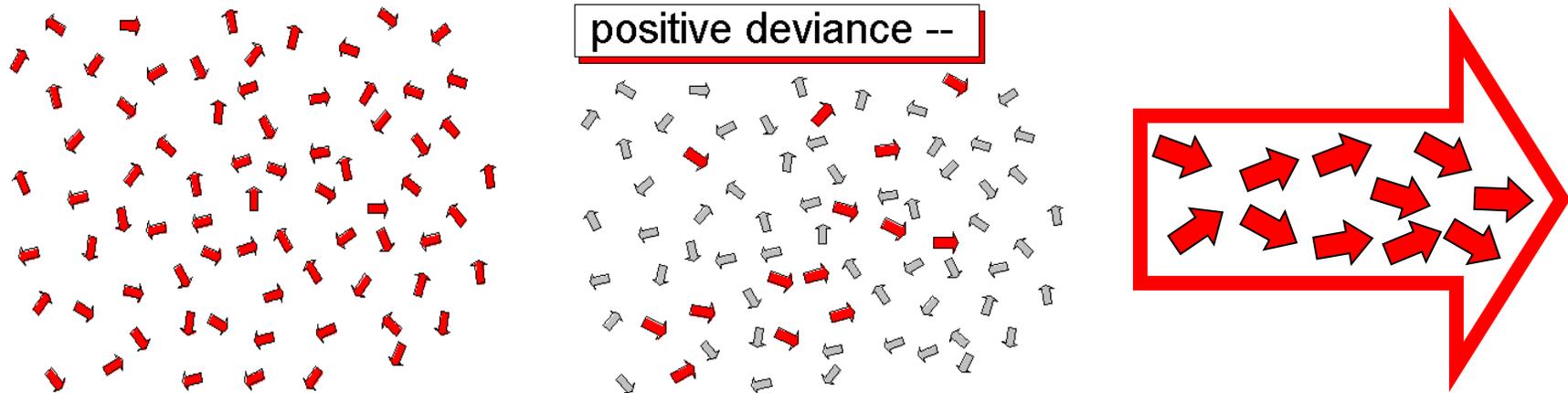
Metric Calculation System



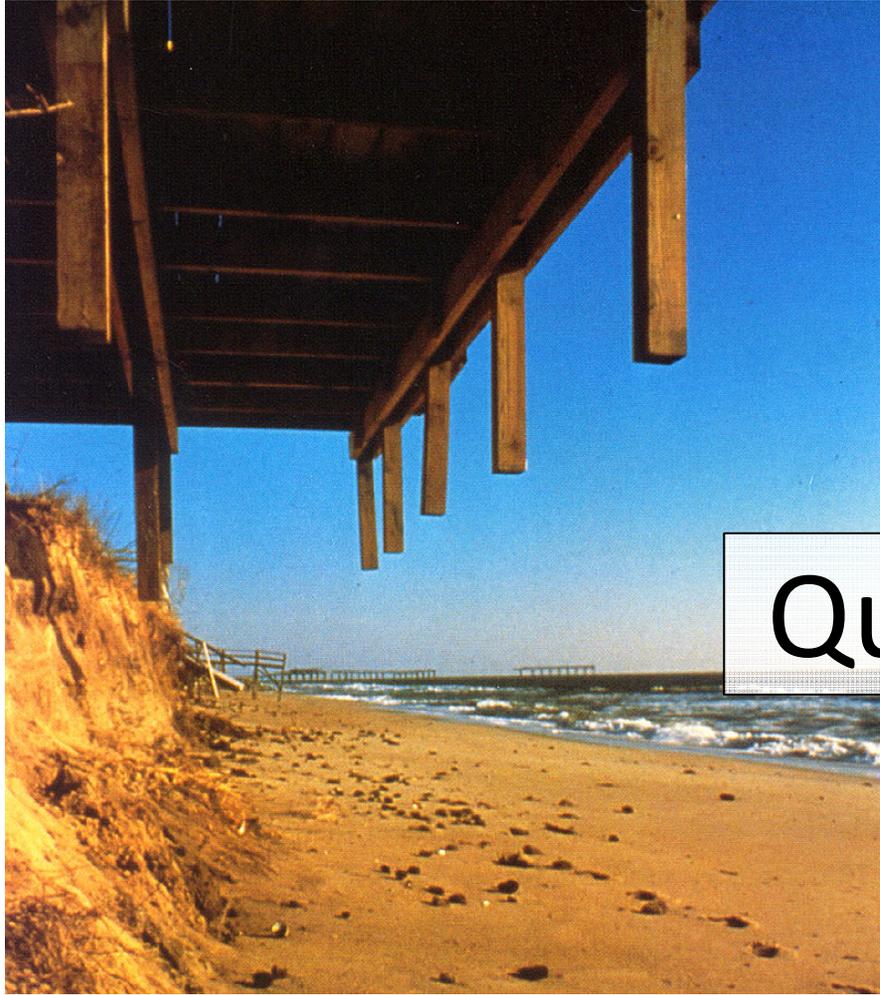
Current Test Cases



Leadership Model: Positive Deviance



Positive deviance says that if you want to create change, you must scale it down to the lowest level of granularity and look for people within the social system who are already manifesting the desired future state. **Take only the arrows that are already pointing toward the way you want to go, and ignore the others. Identify and differentiate those people who are headed in the right direction. Give them visibility and resources. Bring them together. Aggregate them.** *Barbara Waugh*



Questions?