



- responseDate is included with every OAI-PMH response:
  - "a UTC datetime indicating the time that the response was sent. This **must** be expressed in
- Re-exported in provenance container as the harvestDate:
  - "the responseDate of the OAI-PMH response that resulted in the record being harvested from the original repository"
- Also used for sequential harvesting. Get next from date from the responseDate

# Problem I · responseDate values such as

- 2002-11-26T19:18:50+40:00 schema validate because the OAI-PMH response date doesn't sufficiently restrict
- the acceptable values on date fields. · must not have TZ +40:00 the text of the

spec permits only Z (Zulu format)

## Solution for problem I

- · Tighten the schema.
- Introduce dateTimeZuluType, e.g.:

· Okay, that was the easy bit...

### Problem 2

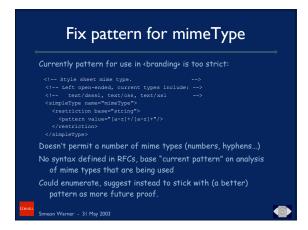
- What about bad (but properly expressed) responseDate values?
- · How do we test for bad?
- · How would downstream sites use harvestDate elements in the provenance containers?
  - If consistent, even bad values would be useful for dedupping and in choosing the most up-todate record
  - Bad values might not make sense when compared with other datestamps

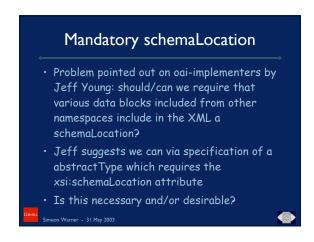
# Solution of problem 2

- · Test: compare with local clock (known to be good?). How much skew to allow?
- If bad:
  - Abandon harvest?
  - Use bad datestamp in provenance? Use bad datestamp in next from date?
  - Substitute local value for time of harvest in provenance records? Use for from data in next
  - Use earlier of responseDate and local datestamp as from address?









# Attribute in <request> • Error in specification, section 4.5 has badArgument response which includes attributes in <request>. Must zap. • BUT, specification currently avoids specifying condition (section 3.2): • Must have attributes if no error • Must not have attributes if badVerb or badArgument • What about other error/exception conditions? • Clarify or specify?