



DCMI Kernel Metadata Working Group

5 Oct 2006 – DC2006, Manzanillo, Mexico

Quién, Qué, Cuándo, Dónde,
(Cómo, Por qué)

Who, What, Where, When,
(How, Why)

Kernel Working Group



- Established: October 2002, currently 55 subscribers
- What Kernel metadata looks like:

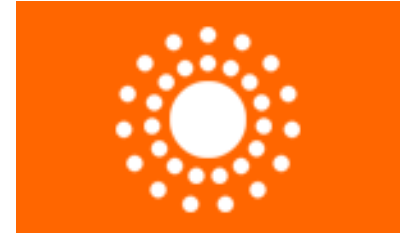
```
erc:  
who:   National Research Council  
what:  The Digital Dilemma  
when:  2000  
where: http://books.nap.edu/html/digital%5Fdilemma
```

- Or, even shorter:

```
erc: National Research Council  
    | The Digital Dilemma | 2000  
    | http://books.nap.edu/html/digital%5Fdilemma
```

- Task: express this as a DCMI application profile

Kernel *Tools*



Designed to be easy on tool building. So far:

- Record syntax ERC (Electronic Resource Citation) parser: 2 lines of Perl (no error checking)
- ERC generator, but from internal database format
- Support by search engines; pilot use in the Tiny HTTP URL Mapping Protocol (THUMP), e.g.,

```
http://example.foo.com/?in(books)find(war and peace)show(full)
```

General form: `? in(DB) find(QUERY) list(RANGE) show(ELEMS) as(FORMAT)`

- **Problem:** hard to create truly general metadata tools
- **Question for Tools WG:** what tools do people want?

A Tools *Kernel* ?



What are the basic needs of the Tools WG that might inform the Kernel's priorities?

Is there a set of identified functional gaps not met by current tools?

What balance of speed, error checking, and cost?

Is Tiny HTTP URL Mapping Protocol (THUMP) interesting?

Is there a core/kernel set of general metadata tools?

(¡Wanted: help completing the Kernel Application Profile!)