

# **RDFa:** Bridging the Hypertext and Semantic Webs

Ben Adida  
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*RDF-in-HTML Task Force of the W3C*  
<http://rdfa.info>

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# Why You Should Care

- The web really works because it is interoperable.
- What's true for human-rendered data is true for machine-readable metadata.
- **Tens of Billions of HTML pages: The Semantic Web will evolve in part from the existing Web.**

# Principles

- All the Goodness of RDF:
  - ➔ independence
  - ➔ modularity/reusability
  - ➔ evolvability
- Don't Repeat Yourself (DRY)
- In-Context Metadata (Cut & Paste)

# **RDFa**

## **(Semantic HTML)**

```
<div>
```

```
licensed under a
```

```
<a
```

```
  href="http://cc.org/licenses/by/2.5/">
```

```
  Creative Commons License
```

```
</a>.
```

```
</div>
```

```
<div xmlns:cc="http://web.resource.org/cc/">
```

licensed under a

```
<a rel="cc:license"
```

```
href="http://cc.org/licenses/by/2.5/">
```

Creative Commons License

```
</a>.
```

```
</div>
```

```
<div xmlns:cc="http://web.resource.org/cc/"  
      xmlns:dc="http://purl.org/dc/1.1/">
```

This document was written by

```
<span property="dc:creator">Ben Adida</span>
```

and is

licensed under a

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<a rel="cc:license"
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```
  href="http://cc.org/licenses/by/2.5/">
```

Creative Commons License

```
</a>.
```

```
</div>
```

```
<div xmlns:cc="http://web.resource.org/cc/"  
      xmlns:dc="http://purl.org/dc/1.1/"  
      about="photo2.jpg">
```

This photo was taken by

```
<span property="dc:creator">Ben Adida</span>
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<a rel="cc:license"
```

```
  href="http://cc.org/licenses/by/2.5/">
```

Creative Commons License

```
</a>.
```

```
</div>
```



# SweetWiki : Semantic Web enabled technologies in Wikis



**Social tagging**

**Keywords**  
 ◆ **Serialization(3)**  
**RDF/A**

**See Also** | **Tags' informations** | **Page**

**Tags' informations**  
 Category : **persistence**,  
 Related tags : **Serializable**,  
**RDFa**

**Page**  
 ◆ **Author :** [Jeremy](#)  
 ◆ **Web :** Courses  
 ◆ **Last changes :** 2006-03-15  
**RDF/A**

**Michel Buffa, Fabien Gandon (I3S)**  
**INRIA**

- No more WikiML: persistence in XHTML + **RDFa**
- Everything (inc. social tagging) based on RDF/S OWL schemas

```
<div xmlns:rss="..." xmlns:cal="..." xmlns:cc="...">
  <h2 property="rss:title">Events</h2>
  <p property="rss:description">Events.</p>
  <link rel="rss:items" href="#items" />
  <ul id="items">
    <li href="#item_56">RDFa Talk at WWW2006</li>
    <li href="#item_57">RDFa Bookmarklets Released</li>
    ...
  </ul>
</div>
```

```
<div id="item_56" about="#item_56" role="cal:Vevent">
  <h3 property="rss:title">RDFa Talk at WWW2006</h3>
  <p property="rss:description">
    Ben will be giving a talk on RDFa at
    <a rel="cal:location" href="...">WWW2006</a> on
    ...
  </p>
</div>
```

# Does It Validate?

- Currently, XHTML 2
- Soon, XHTML 1.1/1.2
- It **works** in current browsers

**Demo**

# Want More?

<http://rdfa.info>