The Carpentries Incubator

Metadata Standards

Fundamentals of Scientific Metadata: Why Context Matters

Schema or standard?

A well established metadata schema can become a standard.

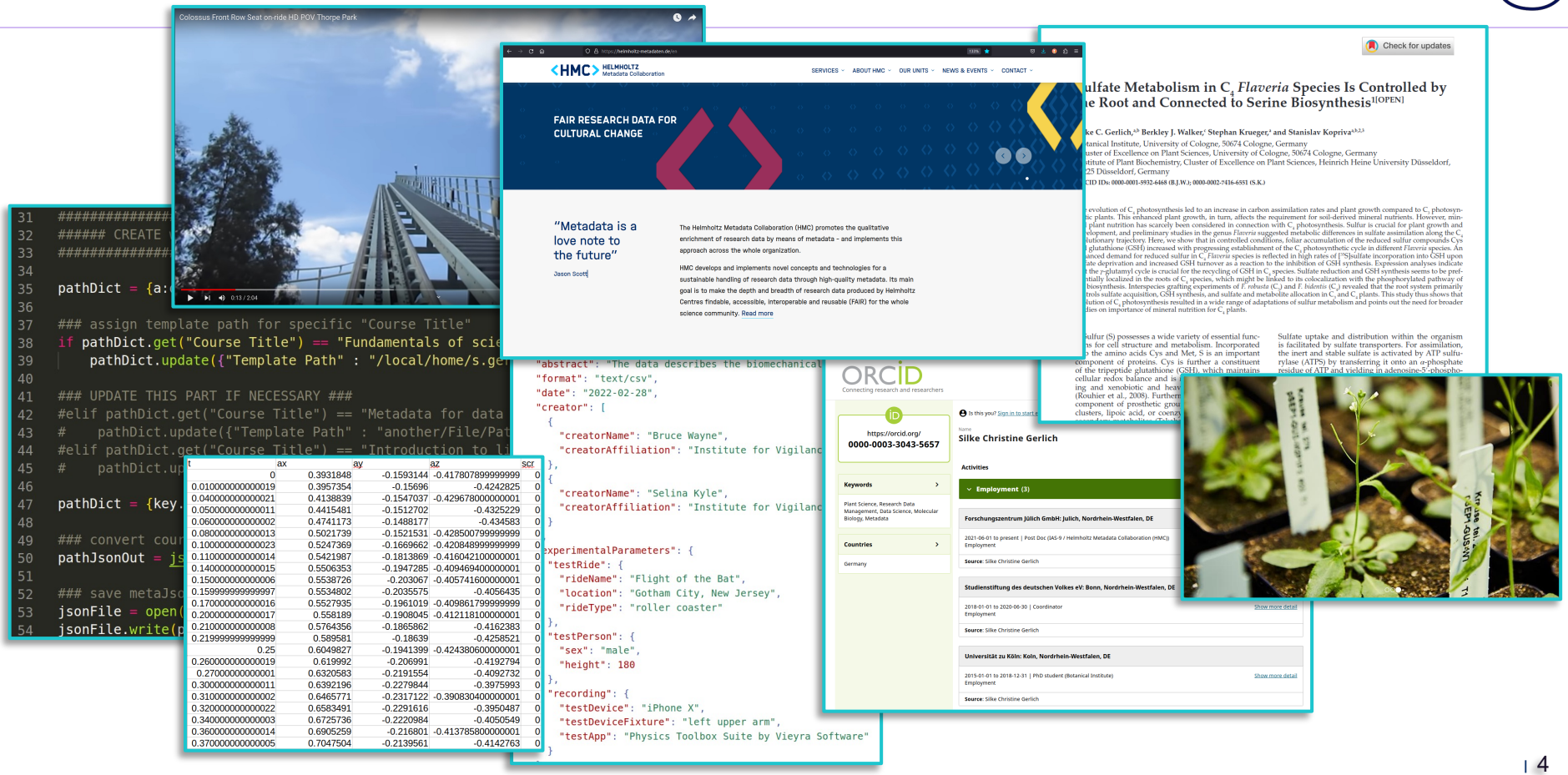
The Dublin Core

Researchers, librarians and web technologists drafted the Dublin Core – a set of library-card-catalog-like metadata elements for the web – in 1995 at a meeting in Dublin, Ohio (USA). [1]

- Creator
- Contributor
- Publisher
- Title
- Date
- Language
- Format
- Subject
- Description
- Identifier
- Relation
- Source
- Type
- Coverage
- Rights

[1] https://www.dublincore.org/resources/metadata-basics/
[2] https://www.dublincore.org/specifications/dublin-core/dcmi-terms/#section-3
[3] https://www.dublincore.org/about/
[4] https://www.iso.org/standard/71339.html

Web resources



The Dublin Core

Dublin Core and its extensions are widely used and referenced today. The Dublin Core Metadata Initiative (DCMI) states to work openly, with a paid-membership model. [3] The 15 Dublin Core metadata elements have been formally standardized for cross-domain resource description as e. g. **ISO 15836-1:2017**. [4]

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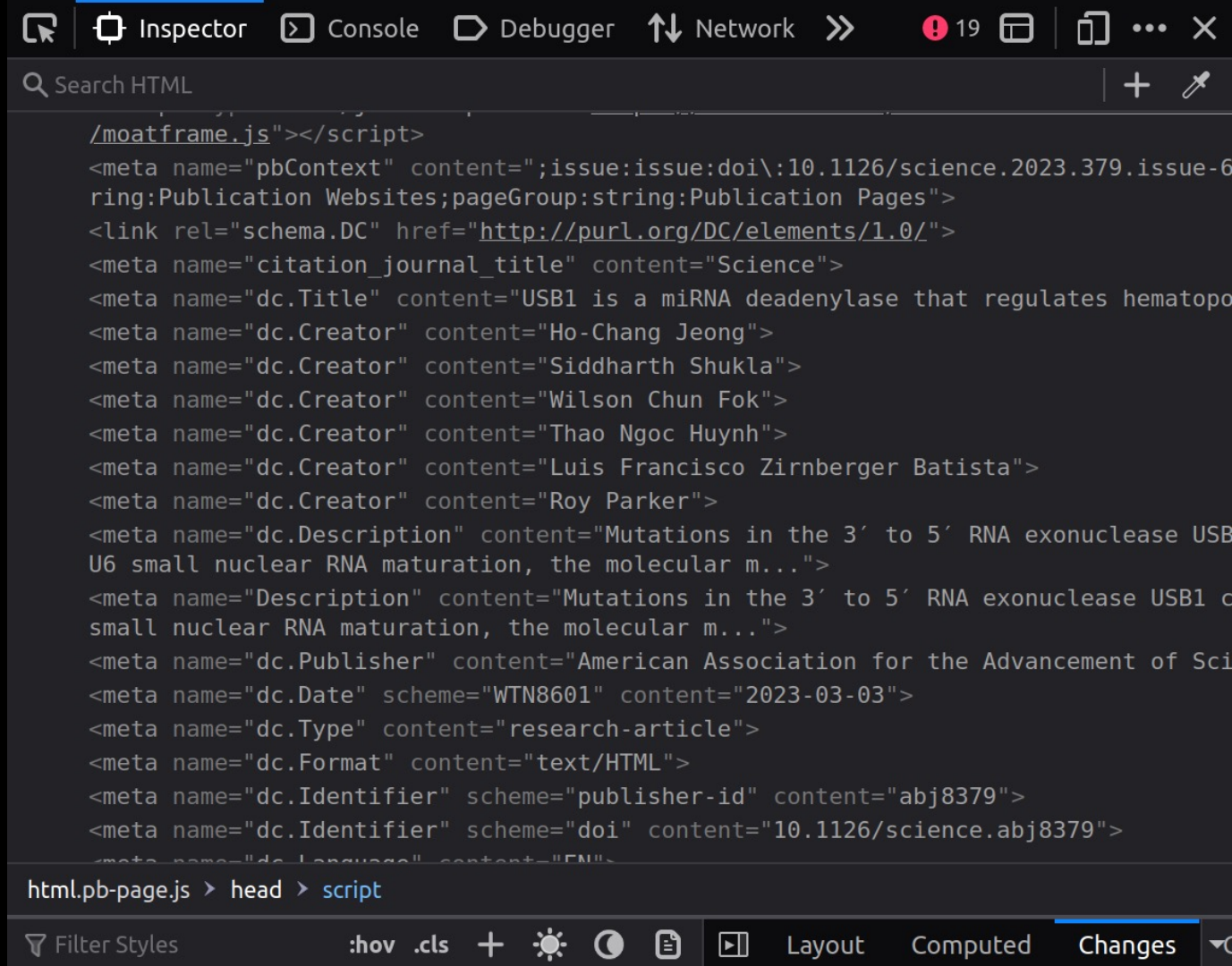
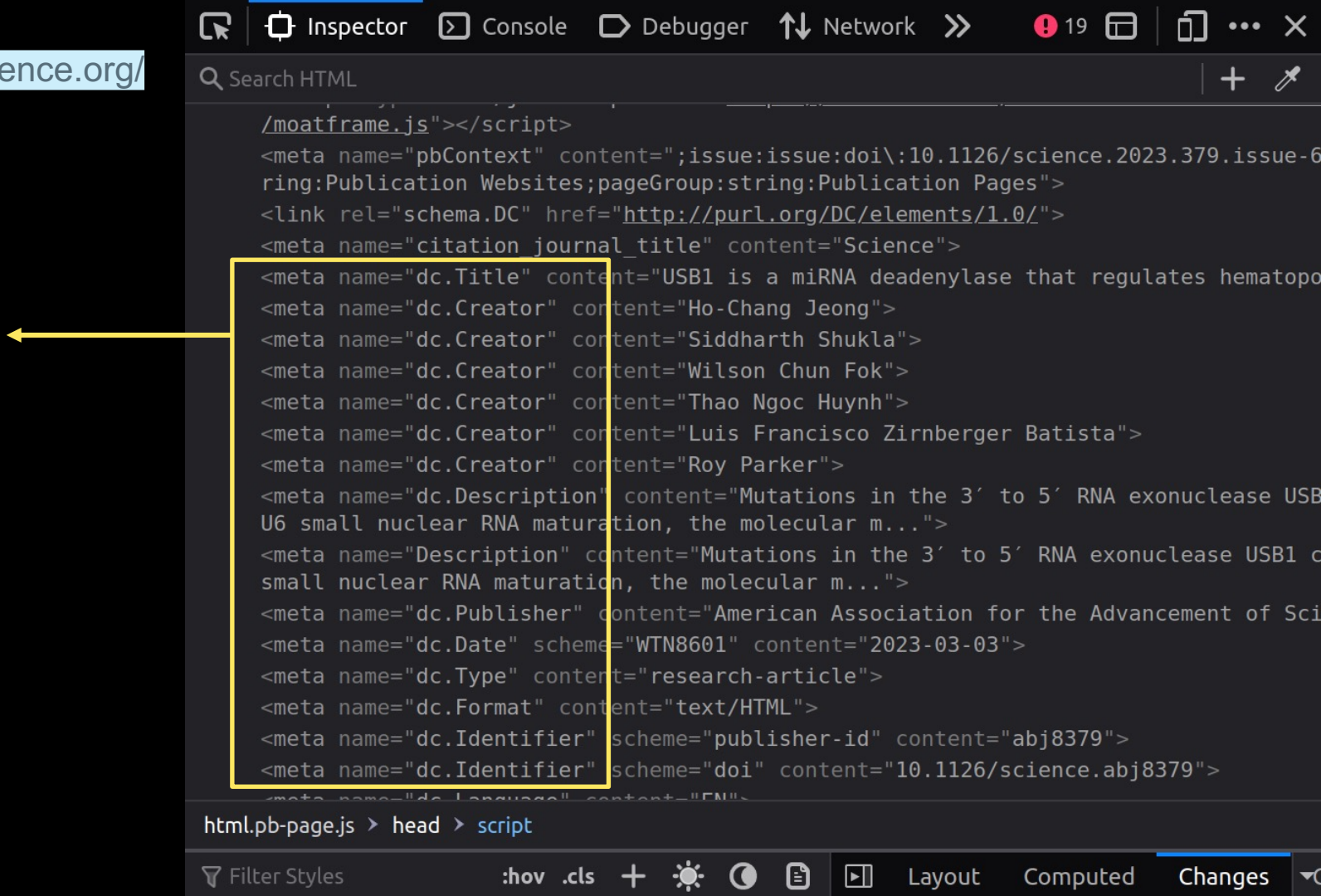
https://www.science.org/



https://www.science.org/

Dublin Core Elements



https://www.theguardian.com

Open Graph Protocol

schema.org

Inspector | Console | Debugger | Network

Search HTML

```
<script type="application/ld+json">…</script>
<!--TODO make this conditional when we support more content types-->
<link rel="amphtml" href="https://amp.theguardian.com/world/2023/mar/05/greek-pm-s
<link rel="preload" href="https://assets.guim.co.uk/static/frontend/fonts/guardian
<link rel="preload" href="https://assets.guim.co.uk/static/frontend/fonts/guardian
<meta property="og:url" content="https://www.theguardian.com/world/2023/mar/05/gre
<meta property="article:author" content="https://www.theguardian.com/profile/helen
<meta property="og:image:width" content="1200">
<meta property="og:image" content="https://i.guim.co.uk/img/media/1d3542de00b22bab
<meta property="al:ios:url" content="gnmguardian://world/2023/mar/05/greek-pm-sorr
<meta property="article:publisher" content="https://www.facebook.com/theguardian">
<meta property="og:title" content="Greek PM ‘sorry’ over train crash that killed d
<meta property="fb:app_id" content="180444840287">
<meta property="article:modified_time" content="2023-03-05T15:54:53.000Z">
<meta property="og:image:height" content="720">
<meta property="og:description" content="Parlous state of rail system in spotlight
<meta property="og:type" content="article">
<meta property="al:ios:app_store_id" content="409128287">
<meta property="article:section" content="World news">
<meta property="article:published_time" content="2023-03-05T15:53:52.000Z">
<meta property="article:tag" content="Greece,Rail transport,Europe,World news">
<meta property="al:ios:app_name" content="The Guardian">
```

html › body

DISCLAIMER

This slide deck is part of the Lesson

Fundamentals of Scientific Metadata: Why Context Matters

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image: https://c.pxhere.com/photos/35/f5/coffee_notebook_wooden_background_orange_work_table_office-1222115.jpg!d