Linking Articles to Data

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There is an obvious need for scientific articles to cite the data being used, but should those citations link directly to the scientific data?

We present recommendations for 'data landing pages', an interstitial document with information about the scientific data being published by a science archive or cited by a paper, and their advantages over linking directly to scientific data in a data citation or using a formally published article as a proxy for the data citation. We propose two complementary forms, one provided and maintained by the data archive and a 'citation page' that an author can attach to an article as supplementary material.

Acknowledgements

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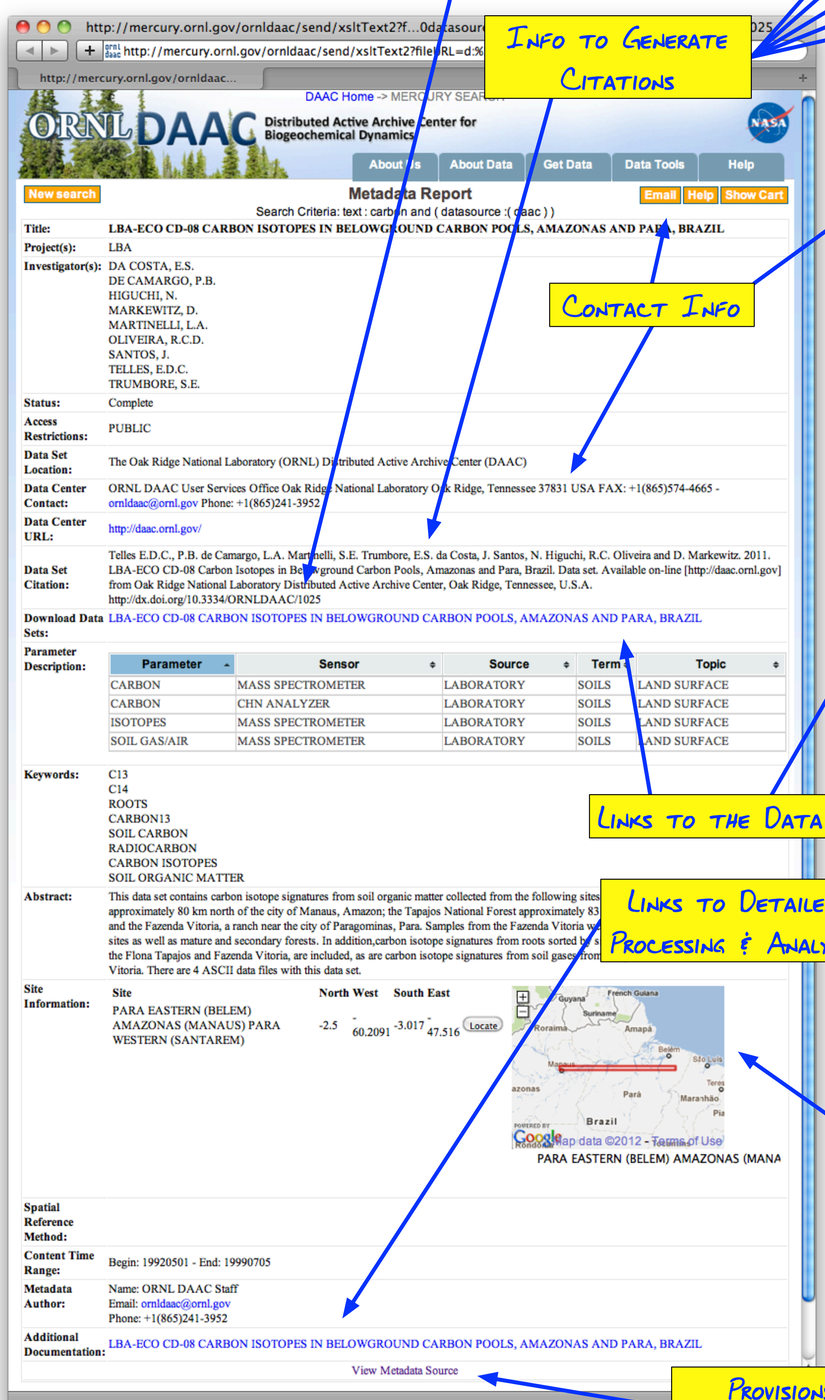

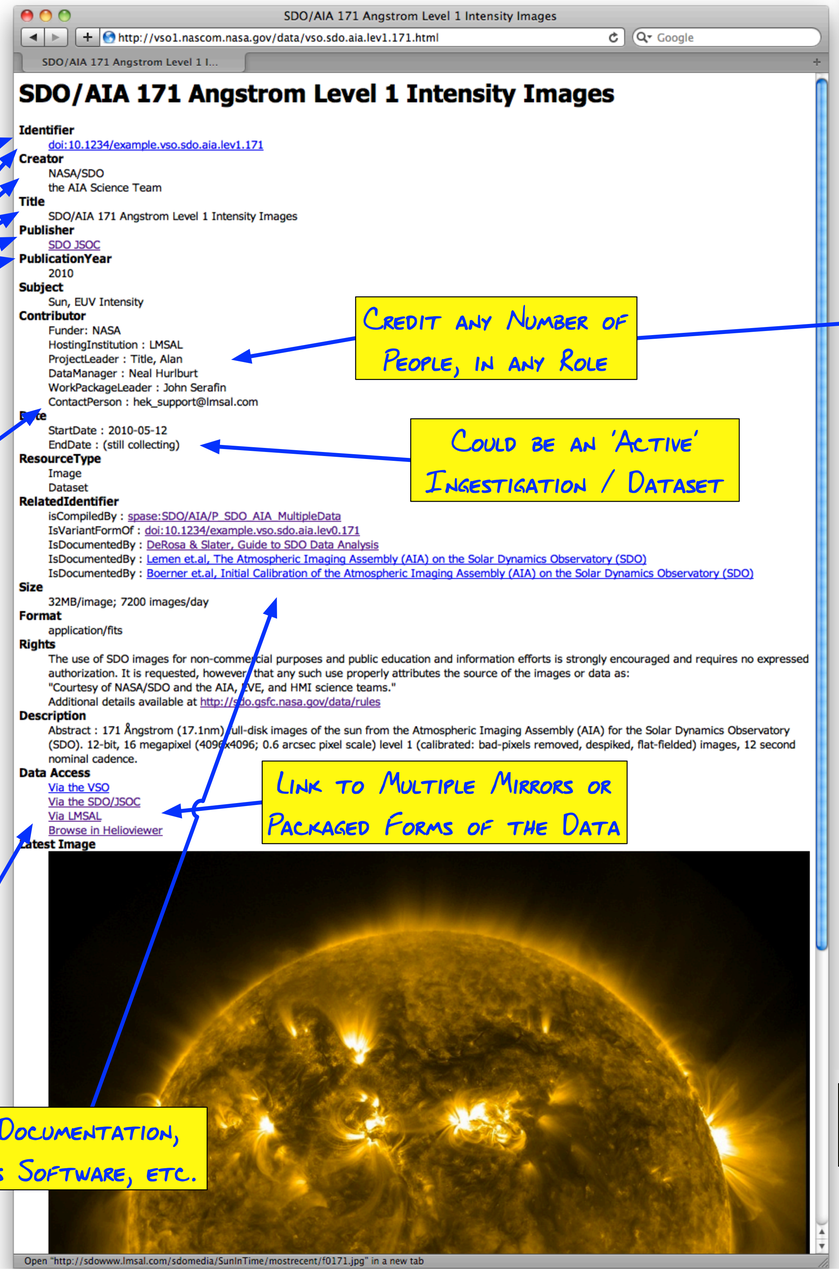

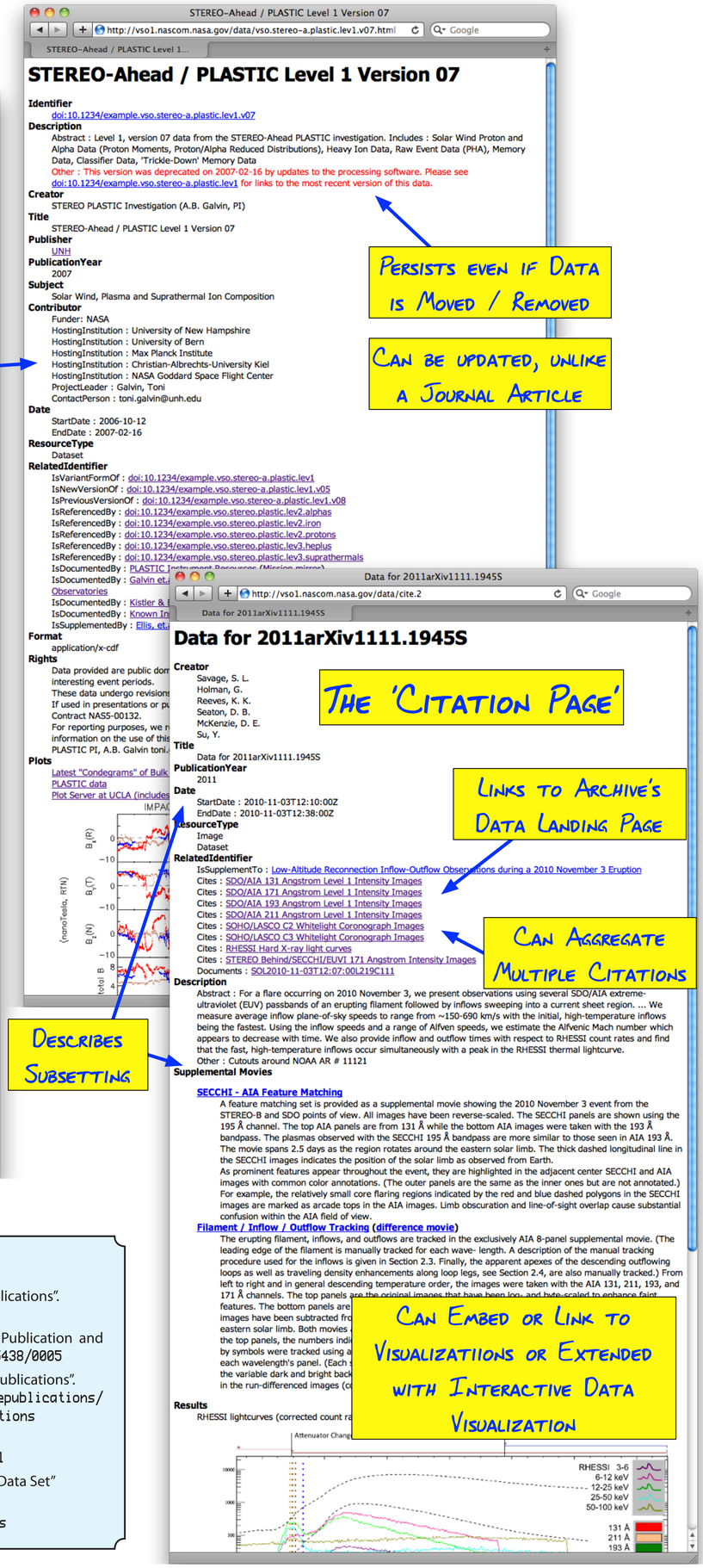

DOI for Citation

Info to Generate Citations

Credit any Number of People, in any Role

Could be an 'Active' Ingestigation / Dataset

Contact Info

Links to the Data

Links to Multiple Mirrors or Packaged Forms of the Data

Links to Detailed Documentation, Processing & Analysis Software, etc.

Can be Extended with Domain Specific Features

Provisions for Machine-Readability

Persists even if Data is Moved / Removed

Can be updated, unlike a Journal Article

The 'Citation Page'

Links to Archive's Data Landing Page

Can Aggregate Multiple Citations

Describes Subsetting

Can Embed or Link to Visualizations or Extended with Interactive Data Visualization

References

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