



FCE ASM 2013

Information Management System (FCE IMS)

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Talk Outline

- **LTER NIS Change**
- **FCE IMS ‘Where We Are’ & Data Statistics**
- **FCE IMS ‘Where We Need To Be’**
- **Long-term Ecological Data Explorer (LEDeX) Tool (Colby Leider)**



LTER Network Information System (NIS)

NIS adopting the *Provenance Aware Synthesis Tracking Architecture (PASTA)* model for dynamically harvesting and archiving LTER site-based data and metadata for use in generating synthetically derived data products.

<http://lno.lternet.edu/projects/pasta>



LTER NIS

What's different with PASTA?

- ***FCE Data*, not just FCE Ecological Metadata Language (EML) metadata, will be archived within PASTA.**
- **FCE EML must be compliant with EML 2.1 and the Data files must pass a 27-point congruency check.**
- **All derived LTER data in PASTA will be described by a rich EML document that emphasizes the product processing history and its origin.**

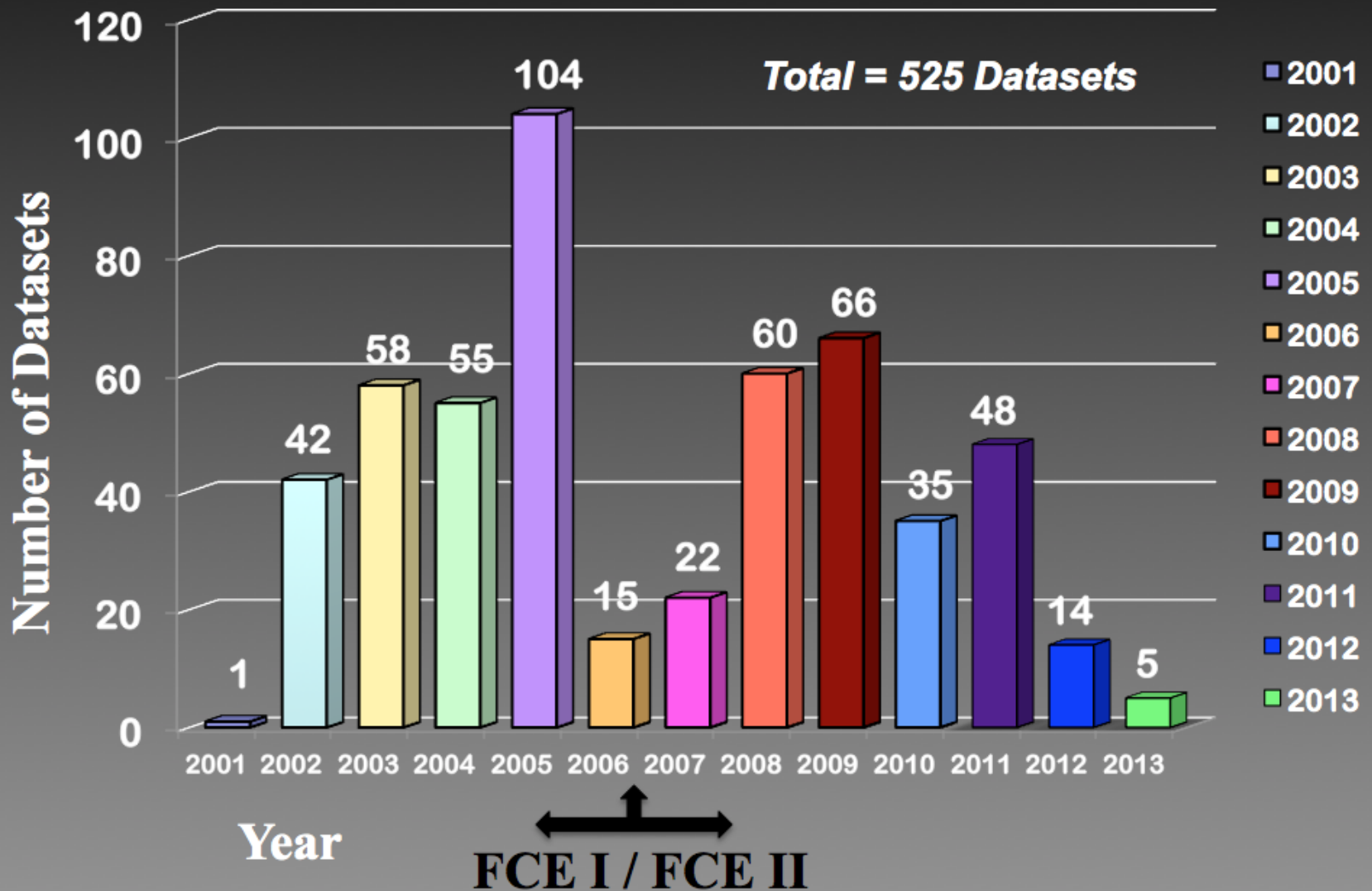


WHERE WE ARE

- **Updated FCE Metadata tool (Excel2EML) and Excel Metadata template to EML 2.1**
- **Converting 525 FCE metadata files into EML 2.1 and enhancing metadata content (i.e. adding LTER Controlled Vocabulary)**
- **Reformatting FCE Datasets and migrating data into PASTA**



FCE Annual Data Contributions (2-28-2013)





Cumulative FCE Data Downloads

May 2000 - Feb 2013

<i>Downloads by Type</i>	<i>Total</i>
Biogeochemical Cycling	1127
Physical/Hydrology	625
Primary Production	598
Organic Matter Dynamics	369
Climate	333
Trophic Dynamics & Community Structure	159
GIS	39
<i>All Download Types</i>	<i>3250</i>

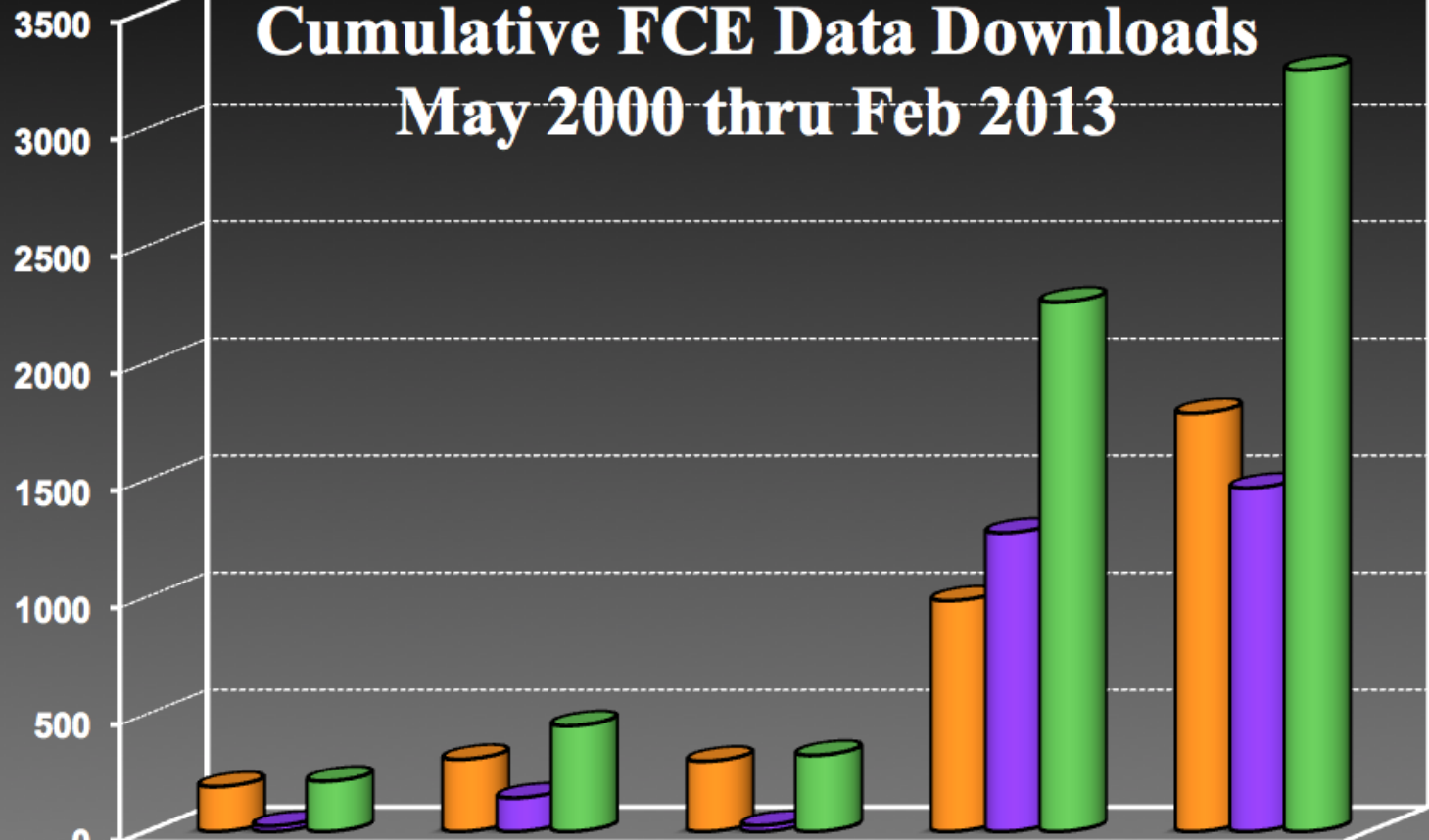


Florida Coastal Everglades Long Term Ecological Research



Data Downloads

Cumulative FCE Data Downloads May 2000 thru Feb 2013



	Education (K-12)	Government Research	Other Research	University Research	Totals
■ Non-FCE	191	308	300	985	1784
■ FCE	23	143	25	1275	1466
■ Totals	214	451	325	2260	3250



WHERE WE NEED TO BE

- **Update FCE Data Archives!**
 - **FCE I = 275 Submissions**
 - **FCE II = 250 Submissions**
 - ✓ *50 NEW Datasets during FCE II*
- **Work on Relating Datasets to Publications**



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LEDeX: The Long-Term Ecological Data Explorer

Design Specification Draft 2012

UM Music Engineering Technical Report #M-11

19 December, 2012

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