

# LBCC Progress in Digitization

	Bryophyte Portal (95%)	Lichen Portal (68%)
Specimen Records	2,298,551	1,965,722
Georeferenced	30.1%	49.3%
Imaged	52.6%	37.7%
Specimens Identified to Species	2,109,857	1,741,310
Families	469	378
Genera	1,552	1,185
Species Number	24,983	20,984

# Data Management & Open Access

- ▣ Management of databases responsibility of the 99 collection managers.

  - Original LBCC - 54 institutions

  - PENs with LBCC - 10 institutions

  - non-LBCC on portals - 35 institutions (900 K+ records)

- ▣ Primary open access through the bryophyte and lichen portals (use statistics slide 4).
- ▣ Over 90% of the LBCC data are in iDigBio.

# LBCC - RESEARCH

Herrera-Campos, M.A., Pérez-Pérez, R. & Nash III, T.H. (eds.) Lichens of Mexico: The Parmeliaceae – Keys, distribution and specimen descriptions. 2016. *Bibliotheca Lichenologica* 110: 1-723.

12318 specimen citations in: ASU (4410), COLO (401), DUKE (1297), F (273), LSU (219), MIN (560), MSC (243), NDSU-Esslinger (1598), OMA (892), OSC (42), SBBG (83), US (1080), and WIS (1220)

Total Mexican Parmeliaceae citations in CNALH (14220)

# Management and Oversight

CURRENT: LBCC - PI, COPI, ROBERT ANGLIN, ED GILBERT

LONG-TERM: AMERICAN BRYOLOGICAL & LICHENOLOGICAL SOCIETY

GOOGLE ANALYTICS (Oct. 2015 to Oct. 2016)	Bryophyte Portal	Lichen Portal
No. Sessions	25,020	74,296
No. Users (not unique)	10,098	32,005
No. Page Views	74,646	237,347
Pages/Session	2.9	3.2
Avg. Duration (min.)	3:43	5:26
% New Sessions	39%	42%

# What have we learned?

- ▣ 1. Know your baseline before you start.
- ▣ 2. Your assumptions will prove partially wrong.
- ▣ 3. There are too many database platforms.
- ▣ 4. Ease of DB use and access is mandatory.
- ▣ 5. Sustainability is largely a myth.
- ▣ 6. Crowd sourcing needs institutional backing.
- ▣ 7. NSF's collaborative research model has major flaws.