NED is the world's largest database of crosscorrelated multiwavelength data for extragalactic objects, providing a systematic fusion of information integrated from hundreds of large sky surveys and tens of thousands of research publications. The contents and services span the entire observed spectrum from gamma rays through radio frequencies.

As new observations are published, they are cross-identified or statistically associated with previous data and integrated into a unified database to simplify queries and retrieval. Seamless connectivity to data in NASA's astrophysics mission archives (IRSA, HEASARC, MAST), ADS, and other data centers around the world is also provided.

Objects can be queried by Name, Near Name or Position (cone search), By Reference, and By Author. Galaxy samples can be constructed by Parameter constraints on Redshift, Sky Area, Object Types, Survey Names, or Flux Density (Magnitude), or by filtering galaxy Classifications and Attributes.

The LEVELS Knowledgebase augments review articles in extragalactic astrophysics and cosmology with object names and graphical content within the articles linked directly to relevant database queries.
**What’s New in NED?**

**New Content Highlights**
- 2.4 million new database records
- Data for 491,032 objects linked to thousands of journal articles and catalogs
- Redshifts for 260,143 objects
- 658,430 multiwavelength Cross-identifications and 16,216 Associations
- 2,092 Redshift-independent Distances

**NEW! Quick-Look Photometry and Luminosities in Object Queries**
- Photometry from major surveys: Optical (RC3 or SDSS); Infrared (2MASS, IRAS); Radio (NVSS, otherwise SUMMS) when available
- Absolute magnitudes and monochromatic luminosities are computed using Redshift-Independent distances when available, otherwise using the best available redshift with cosmological corrections
- Includes uncertainties

**Additional Galaxy Classifications**
- The number of Classifications and Attributes has more than doubled, totalling 396,548 entries for 208,144 objects
- Addition of new attribute domains involving Distance Indicators, Hierarchy, and Kinematics
- Galaxy samples can now be constructed by filtering on Classifications and Attributes in a total of seven different domains

**NEW! Build User-Customized Data Tables for Galaxy Samples**
- Combine photometric and diameter measurements from major surveys, along with Classifications and basic data, into a single table
- Vastly simplifies analysis of multiwavelength data for galaxy samples
- Accessible via new forms that search input object lists By Name and Near Name/Position, and also via queries for objects By Classification
- Options to choose what data columns to include

For more news, see: [http://ned.ipac.caltech.edu/help/whats_new.html](http://ned.ipac.caltech.edu/help/whats_new.html)

**Example queries:**
- Barred spirals of any sub-type
- Galaxies with Morphological Type S0 and nuclear Spectral Type Seyfert 2
- Galaxies with Luminosity Class ULIRG and Spectral Type AGN (any subclass)
- Galaxies with Cepheid distance indicators
- Galaxies with available H I (21 cm) line widths

**How to Contribute Data**
Data from the current astrophysics literature and new sky survey catalogs are being incorporated on an ongoing basis. If you would like to make your images, spectra, or other data available for use by other researchers via NED, please contact us at ned@ipac.caltech.edu.

Spitzer 24 micron image of NGC 3623, an example of 2,658 multiwavelength images for 258 galaxies from “The Spitzer Local Volume Legacy” (Dale et al. 2009, ApJ, 703, 517) recently added to NED.