S.E.D. Aladin Plugin

19 May 2010   *Grégory Mantelet (CDS)*

SED of extended sources
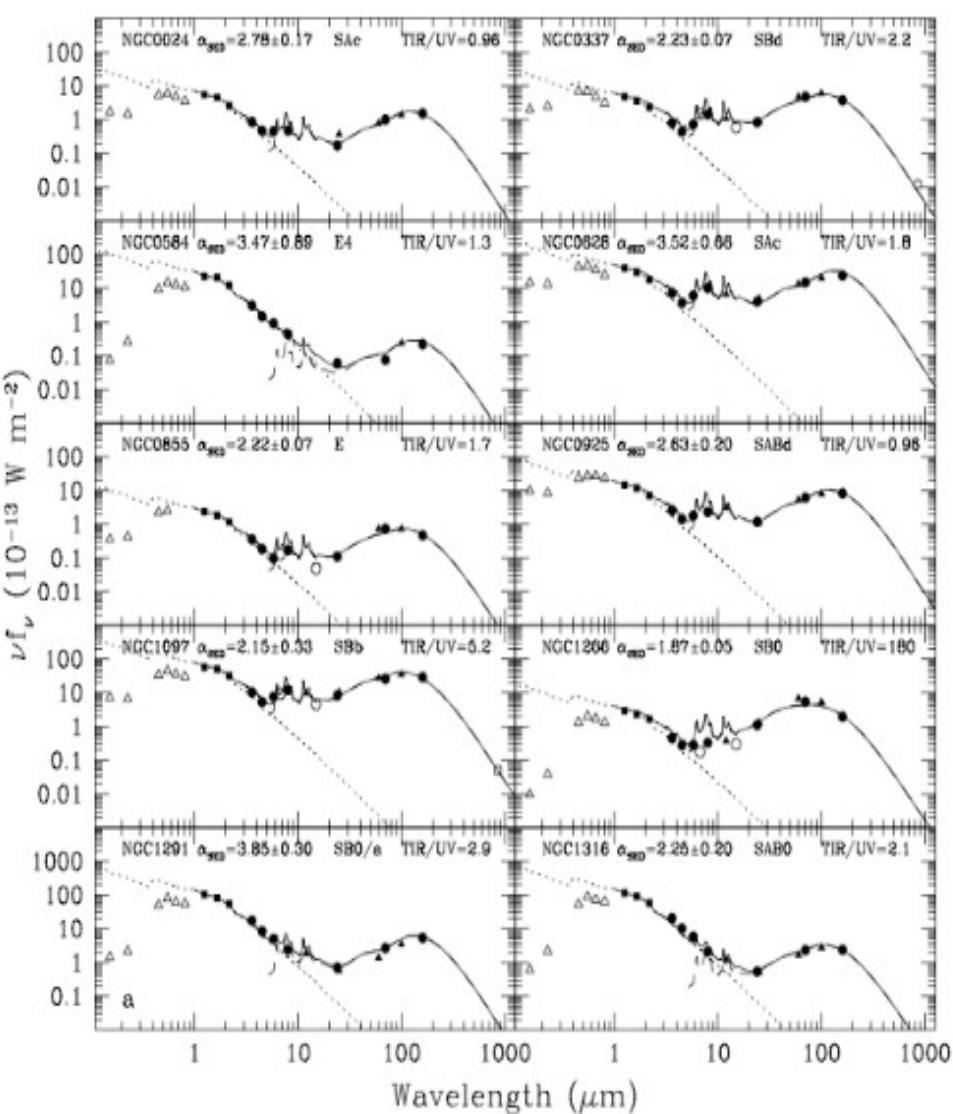
Dale et al. 2007
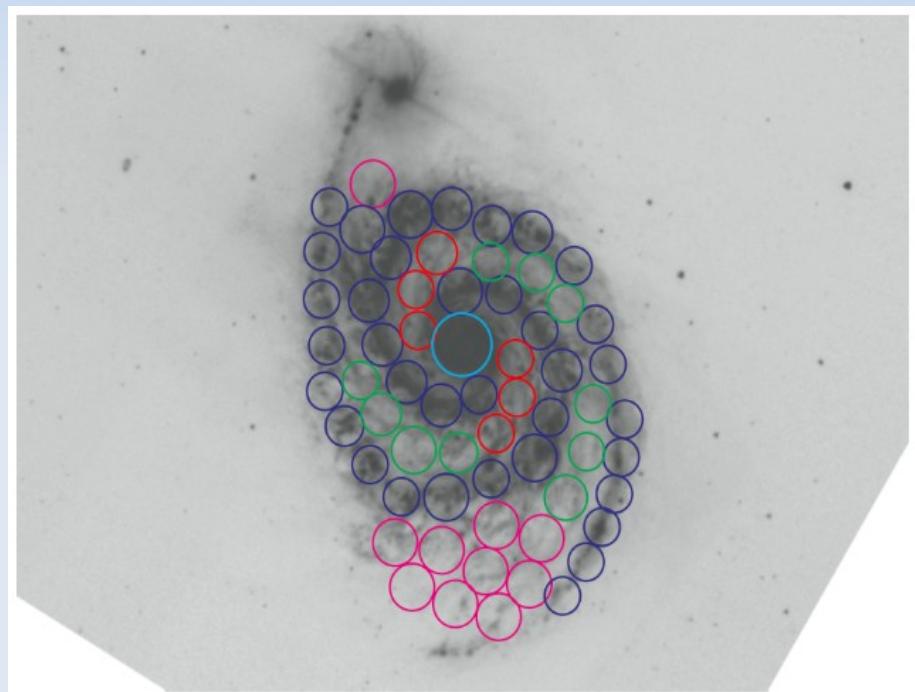
Dale et al. 2005

Aladin SEDPlugin

Aladin

Get images of the same object at different wavelength

SEDPlugin

Get a first idea of the shape of the SED of this object

SED creation

Building a SED from images

Photometric calibration status   **Units**   **Wavelength**   **Fluxes**

Data Model CHARACTERIZATION   **IMAGE**
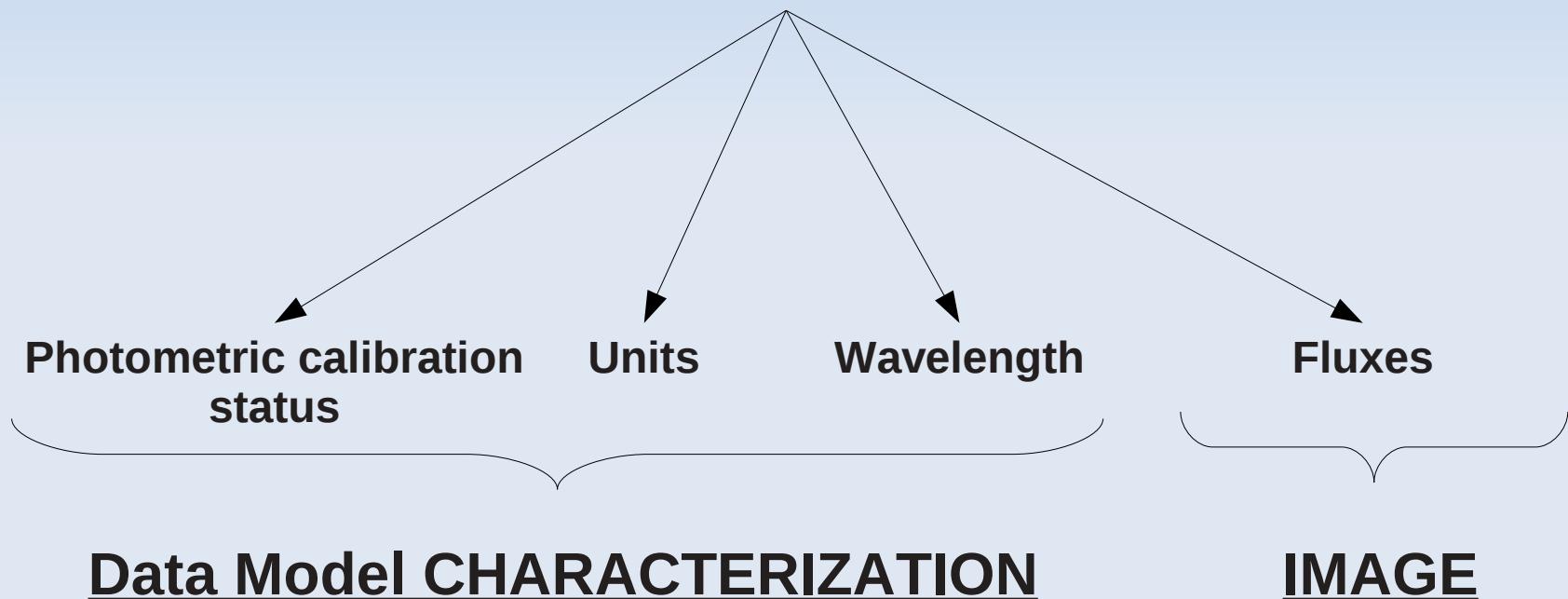
Plugin to generate SEDs *(**S**pectral **E**nergy **D**istributions)*

Aladin *(server)*

Characterization *description*

IF photometrically calibrated

- **Wavelength**
- **Units**

SEDPlugin

Click

- **Position**
- **Flux values**
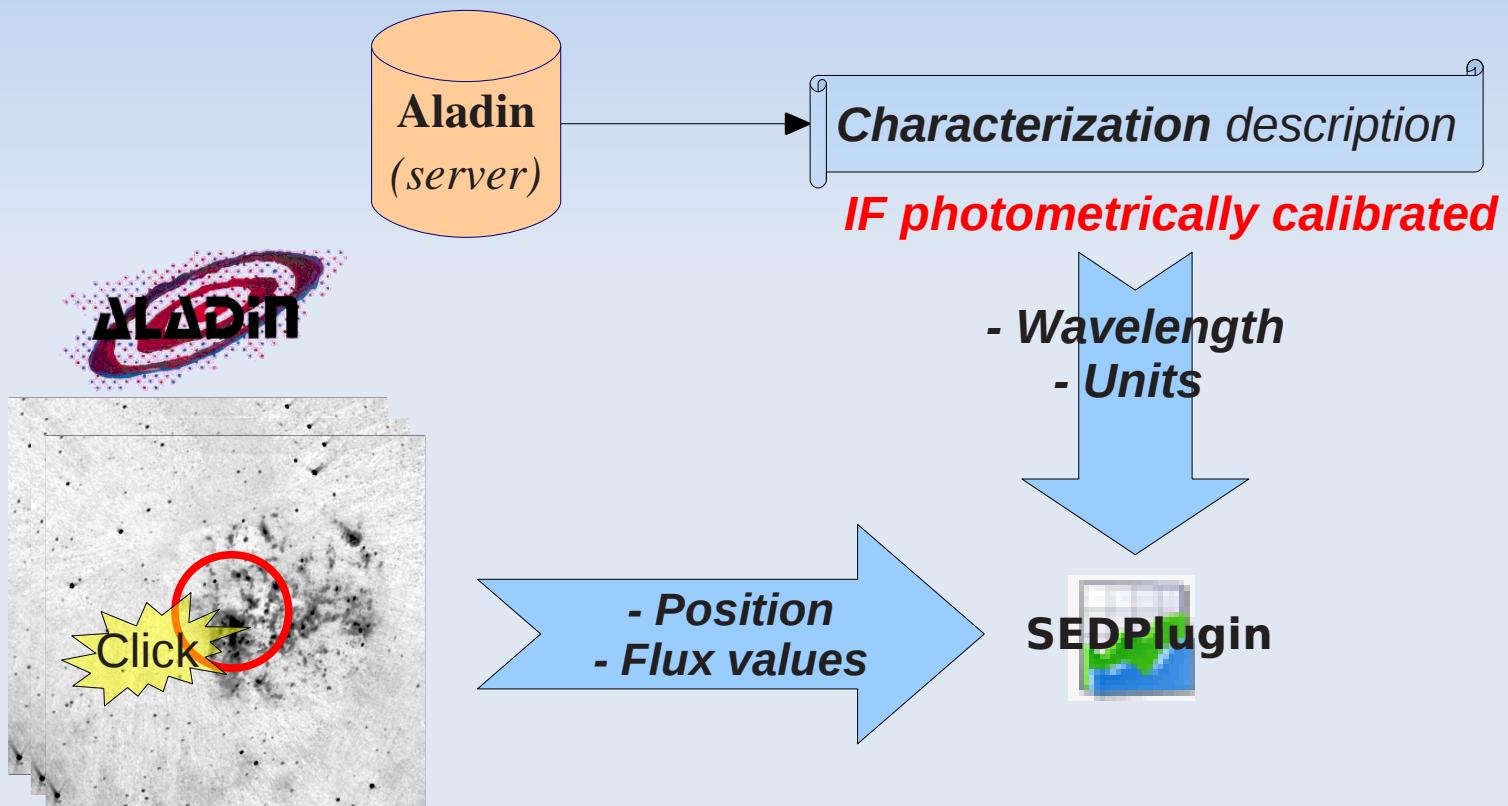
Demo

Current status

- Use of Characterization-DM to build SEDs
    - Currently only IR images (IRAS, MSX)
    - Motivate calibration of images at other wavelengths
- Interacts with Aladin
- Simple background subtraction
- Export in different formats (*e.g. VOTable*)
- SAMP compatible

Perspectives

- Use local images in Aladin
  - Need a tool to fill the Characterization DM *(photometric calibration, units, wavelength)*

- Compare the built SEDs with data from catalogues

Useful links

- ## Get the plugin...

  - http://aladin.u-strasbg.fr/java/nph-aladin.pl?frame=plugRep

- ## Contact:

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