

## Introduction

Nuevo Observatorio Virtual Argentino (NOVA) is an instrument for coordinating the efforts of the participating institutions in Argentina to achieve greater efficiency and productivity in the access, management and analysis of multiwavelength astronomical observations.

NOVA encourages the participation of all astronomical institutions in Argentina to promote the generation and integration of information technology with special emphasis on the statistical analysis of data and management of astronomical images, the integration of local data to standards agreed by the International Virtual Observatory, coordination of the different astronomical resources, and the outreach of Astronomy as an educational tool, known as E-learning.

The astronomical information stored in the database is public and can be used by astronomers, researchers from other fields, students and the general public, both through our own server and by other tools compatible with international standards (such as Aladin)

Figure 1

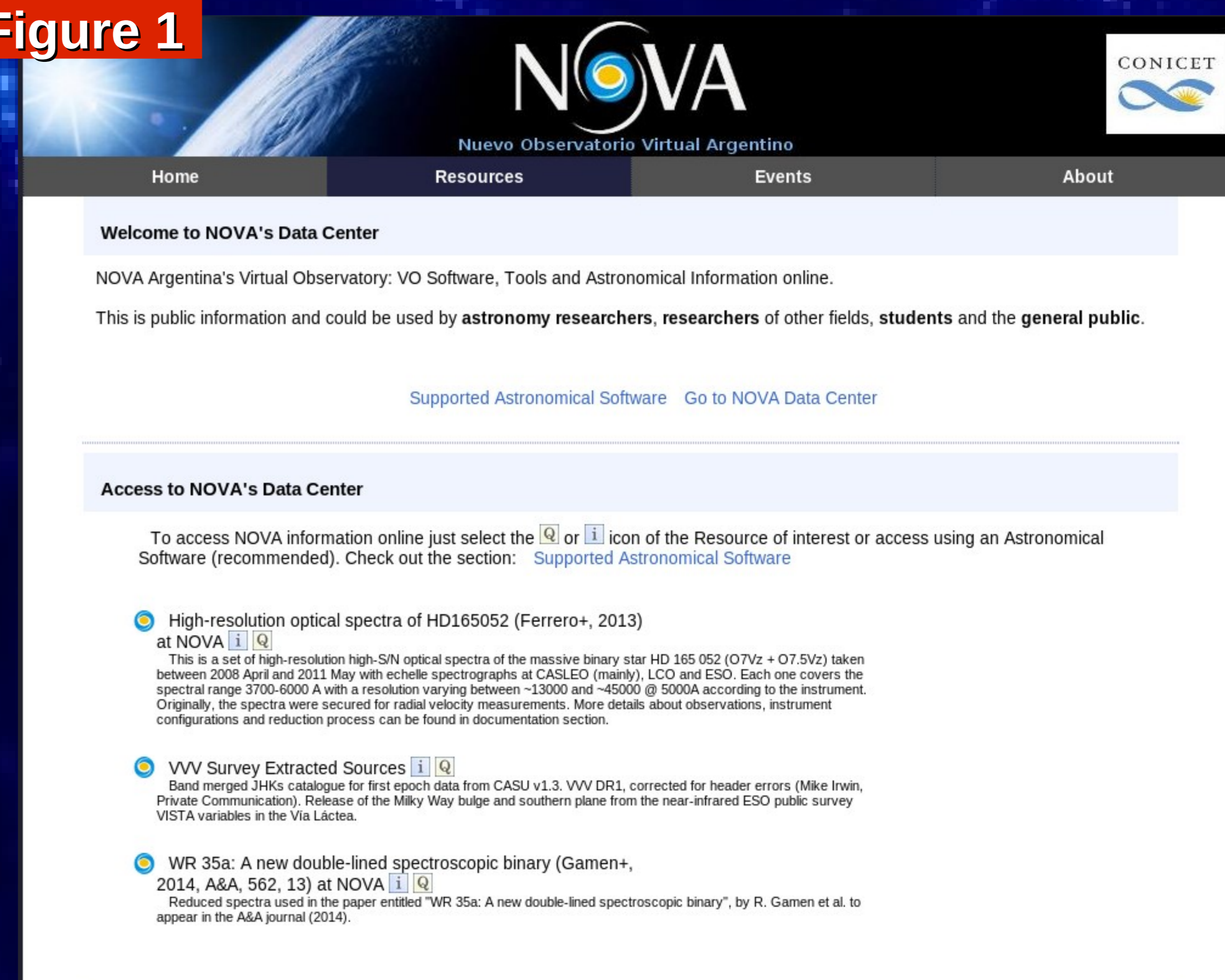


Figure 2

Product key	Title	Type	File size [byte]	Band start [m]	Band end [m]	Mid. Band [m]	Bandwidth [m]	Object	Location [deg]	Date Obs.	Instrument
[Spectrum as file] [in Specview]	100824CASwobj092s	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-08-24T03:11:52Z	red: #580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	100822CASwobj030s	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-08-22T02:43:42Z	red: #580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	090516CASobj76	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2009-05-16T07:36:54Z	Red: # 580 400 l/mm - ang: 6 35'
[Spectrum as file] [in Specview]	090805CASobj092s	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2009-08-05T05:08:19Z	Red: # 580 - 400 l/mm - ang: 6 30'
[Spectrum as file] [in Specview]	100825CASwobj102s	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-08-25T00:04:19Z	red: #580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	090504ESO142	image/fits	334.7kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2009-05-04T07:10:45Z	FEROS
[Spectrum as file] [in Specview]	080818CASobj33	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2008-08-18T03:46:09Z	Reosc - DC Red #580 (400 l/mm) - Ang: 6 40'
[Spectrum as file] [in Specview]	080426CASobj20	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2008-04-26T08:44:25Z	Reosc - DC Red #580 (400 l/mm) - Ang: 7 00'
[Spectrum as file] [in Specview]	100827CASwobj258s	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-08-27T01:26:27Z	red: #580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	100703CASwobj082	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-07-03T00:28:05Z	red: # 580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	100629CASwobj007	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2010-06-29T01:06:45Z	red: # 580 - 600 l/mm - Ang: 6 40'
[Spectrum as file] [in Specview]	080818CASobj27	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2008-08-18T01:16:52Z	Reosc - DC Red #580 (400 l/mm) - Ang: 6 40'
[Spectrum as file] [in Specview]	090809CASobj136	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2009-08-09T05:28:06Z	Red: # 580 - 400 l/mm - ang: 6 30'
[Spectrum as file] [in Specview]	090809CASobj098	image/fits	73.1kB	3.7e-07	6e-07	4.85e-07	2.3e-07	HD165052	Position ICRS 271.2939611646 -24.398570196	2009-08-09T05:28:06Z	Red: # 580 - 400 l/mm - ang: 6 30'

## The NOVA Database

NOVA has implemented an unique repository for Argentina's astronomy data using GAVO Dachs Technology.

Its provides three main features for a Virtual Observatory:

- Customizable Web Front End (fig. 1)
- Data Storage and Online Data Query (fig. 2)
- IVOA Compliant Interfaces (fig. 3), which enable the accessibility of data through any VO tool (e.g. topcat, splat, Aladin, etc)

It uses python as its primary programming language and PostgreSQL as database.

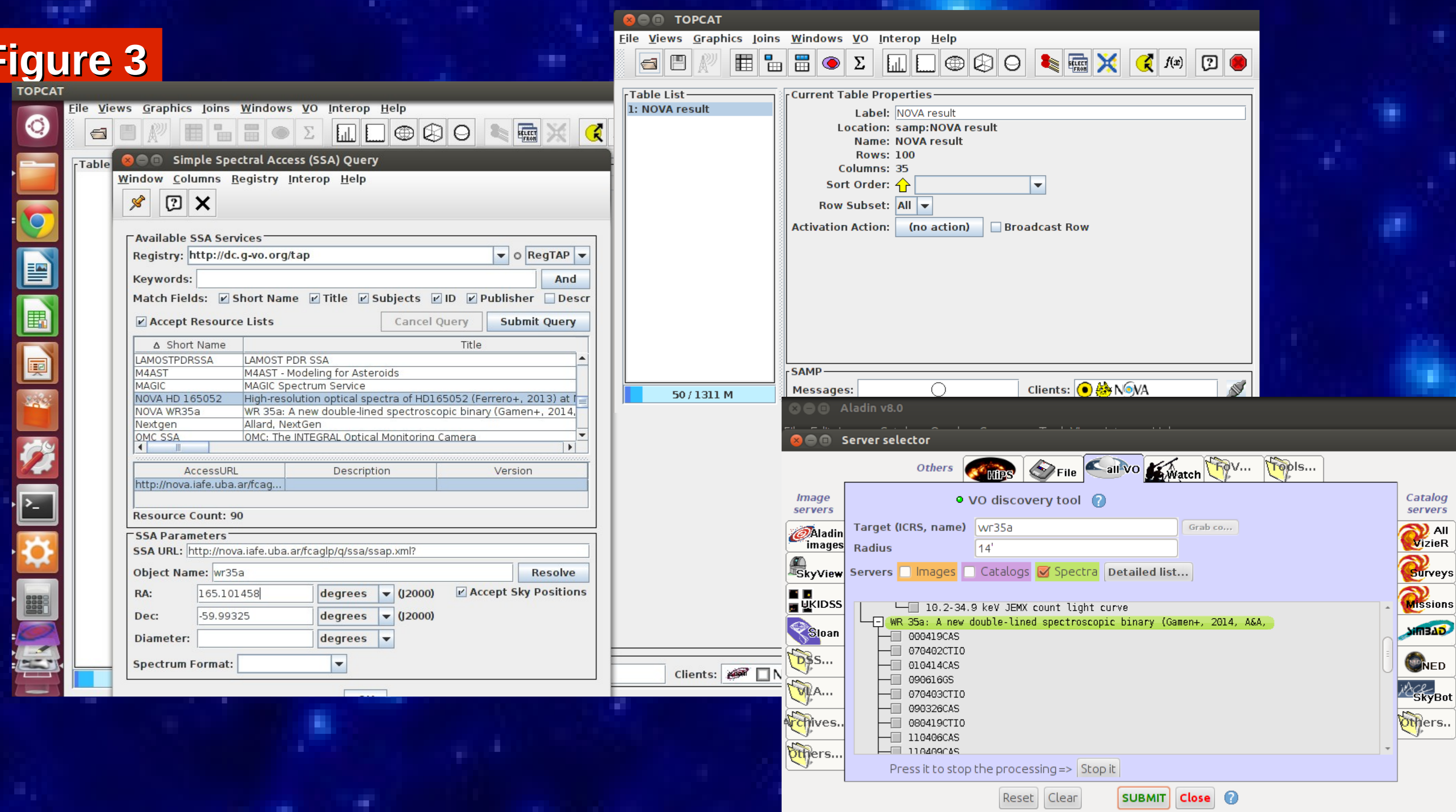
## International Data Sharing

NOVA is part of the International Virtual Observatory Alliance.



Argentina's Astronomical Data hosted by NOVA is now available in many of the Virtual Observatory Software such as Aladin, Topcat, Splat-VO etc. (fig. 3)

Figure 3



## Institutions In NOVA



## More about NOVA

NOVA Homepage:

<http://nova.conicet.gov.ar>