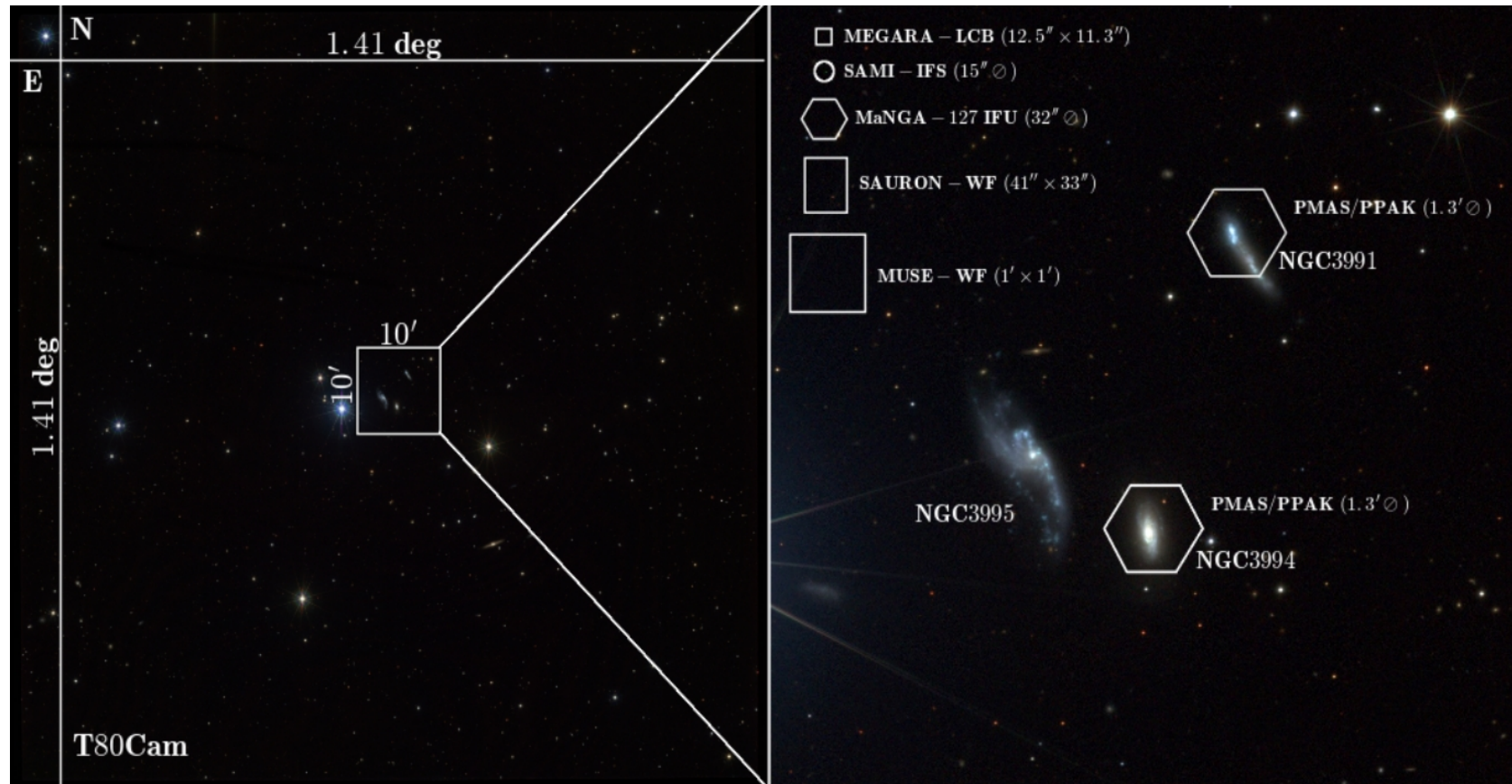


# SFR science cases with J-PLUS

J-PLUS

VO applications



*FoV comparison*

Wide field of view + large contiguous area: Entire extent of the galaxies, environment as a variable, large statistical sample.

Major restriction: lack of **spectral resolution**

# VO applications

J-PLUS

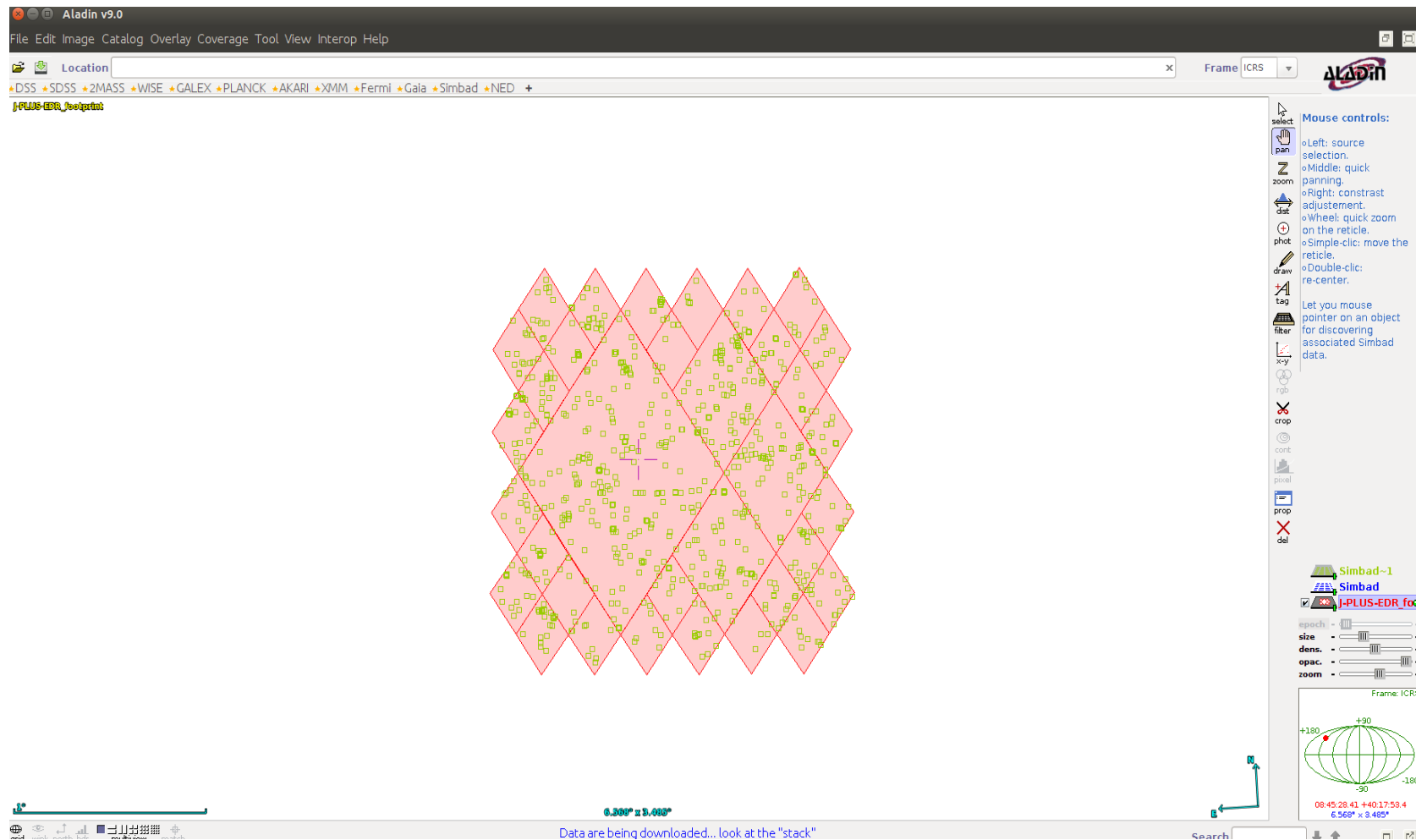
VO applications

- We need a huge amount of external data:  
Names, Positions, Redshift, Distances, Morphology, Environment, Presence of an AGN ... SIMBAD
- We can use the VO tools, two different approaches:
  - Load the coverage map of the survey in Aladin, load SIMBAD and perform a filter of SIMBAD with the coverage map.

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J-PLUS

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```
1  
SELECT oid,main_id,RA,DEC,rvz_redshift, galdim_angle,galdim_majaxis,galdim_minaxis,morph_type FROM basic WHERE rvz_redshift<0.015 AND otype='galaxy'
```

J-PLUS

VO applications

Table Browser for 2: TAP\_2\_basic

	oid	main_id	ra	dec	rvz_redshift	galdim...	galdim_ma...	galdim_mi...	morph_t...
1	5060030	6dFGS gj232749.6-454146	351,9563	-45,69681	0,01011	25	0,7	0,336	
2	252555	UGC 12182	341,40793	73,16202	0,00497	40	0,847	0,728	S
3	8302687	SDSS J140814.93+004458.9	212,06222	0,7497	0,00015				
4	4210471	COSMOS J095810.37+013328.0	149,54321	1,55778	0,01				
5	4048268	2XMM J040735.0-121613	61,89583	-12,27083	0,00042				
6	10123219	SDSS J153001.95+082550.9	232,50816	8,43082	-0,00026				
7	4212847	COSMOS J100317.73+014229.2	150,82388	1,70811	0,01				
8	1503206	2MFGC 438	9,28169	28,83151	0,00663	165	0,587	0,153	2
9	1412245	UGC 12510	349,91367	8,26498	0,01189	35	0,473	0,341	dG:
10	646451	GOODS J033221.25-274540.3	53,08856	-27,76121	0,002				
11	646269	GOODS J033157.21-274126.6	52,98836	-27,69071	0,002				
12	1460170	UGC 12347	346,30042	18,86778	0,00545	90	1,	0,8	I
13	1470127	UGC 11868	329,76959	18,17749	0,00365	15	1,05	0,538	cG
14	1460171	UGC 12351	346,44004	18,9855	0,00563	38	1,05	0,35	I
15	11496655	GAMA 14705	212,6823	0,74925	0,00023				
16	5039982	2MASX J13462502-3109027	206,60428	-31,15076	0,01443	85	0,39	0,276	
17	4993724	SDSS J114139.11-010922.3	175,41296	-1,15622	0,				
18	4993883	SDSS J114307.24-022305.9	175,78021	-2,38497	-0,0158				
19	4993641	SDSS J114033.08-021929.9	175,13788	-2,325	0,				
20	4993644	SDSS J114036.62-012930.7	175,15262	-1,49186	-0,0005				
21	4993667	SDSS J114051.86-022856.9	175,21608	-2,48247	0,				
22	4994077	SDSS J114527.20-021759.3	176,36333	-2,29981	0,0005				
23	4993691	SDSS J114109.52-020405.1	175,28971	-2,06811	0,0084				
24	4993991	SDSS J114405.34-013410.0	176,02225	-1,56944	0,0001				
25	4993700	SDSS J114114.78-014411.5	175,31163	-1,73653	0,0002				
26	4993798	SDSS J114219.18-022640.5	175,57992	-2,44458	0,0137				
27	4993730	SDSS J114145.03-010333.7	175,43762	-1,05936	-0,0001				
28	4994025	SDSS J114432.98-022827.9	176,13746	-2,47444	0,0014				
29	4993740	SDSS J114152.89-005003.1	175,47038	-0,83422	0,0003				
30	4994054	SDSS J114502.13-013137.4	176,25892	-1,52706	0,0004				
31	4994129	SDSS J114652.34-013207.4	176,71813	-1,53542	-0,0059				
32	4993819	SDSS J114232.55-012642.7	175,63567	-1,44519	0,0001				
33	4100106	2SLAQ J132059.28-001321.4	200,247	-0,22261	0,0001				
34	366041	UGC 8101	194,23331	84,10256	0,00624	140	1,487	0,684	S:
35	4993871	SDSS J114304.70-023934.6	175,76963	-2,65964	0,0003				
36	4993970	SDSS J114353.22-011641.5	175,97175	-1,27819	0,0008				
37	4993882	SDSS J114307.14-013223.6	175,77975	-1,53992	-0,0011				
38	4993904	SDSS J114320.13-014225.4	175,83392	-1,70706	0,0058				
39	4993976	SDSS J114358.36-024305.0	175,99317	-2,71806	0,				
40	4993963	SDSS J114348.80-021527.4	175,95333	-2,25761	0,0001				
41	4994028	SDSS J114434.40-011526.0	176,14333	-1,25722	0,0026				
42	5037849	2MASX J13000424-1521450	195,01767	-15,36253	0,0053	125	1,633	0,327	1
43	4994063	SDSS J114510.89-021102.1	176,29542	-2,18392	0,0148				
44	4994081	SDSS J114534.04-013455.7	176,39188	-1,58217	-0,0004				
45	4994138	SDSS J131741.10-000741.5	199,42125	-0,12822	0,0001				
46	4994297	SDSS J132224.86+000016.0	200,60362	0,00447	0,0106				
47	4994146	SDSS J131802.00-003617.5	199,50833	-0,60489	0,0002				
48	4994226	SDSS J132024.76-003743.7	200,10317	-0,62883	0,				
49	4994366	SDSS J132419.37+001934.3	201,08071	0,32619	0,0005				
50	4994369	SDSS J132425.56-004650.2	201,10654	-0,78064	0,0001				
51	378155	UGC 9355	217,33496	79,24126	0,00703	40	1,237	0,322	S
52	4994361	SDSS J132403.77-002120.7	201,01571	-0,35578	0,0004				
53	2656117	2MASX J18243841+0149078	276,16007	1,81884	0,0096	40	1,38	0,635	
54	4066031	2MFGC 15594	308,09784	65,92419	0,01143	5	1,16	0,255	5
55	11496726	GAMA 14921	213,26779	0,73681	0,00042				
56	2853395	2MASX J20575400+2505470	314,47504	25,0964	0,01051	25	0,667	0,307	2
57	221353	2MASX J22533261+6840577	343,3859	68,68272	0,01156	80	1,197	0,431	
58	11296997	SDSS J112308.77+624845.6	170,78655	62,81269	0,01116				

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BAD

ap.

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VO tools applied for J-PLUS

Tamara Civera, Javier Hernández, David Cristobal (UPAD @ CEFCA)



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Rafael Logroño-García

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More on J-PLUS: [www.j-plus.es](http://www.j-plus.es)

More on J-PAS: [www.j-pas.org](http://www.j-pas.org)

More on OAJ: [oajweb.cefca.es](http://oajweb.cefca.es)

More on CEFCA: [www.cefca.es](http://www.cefca.es)

Thank You!  
Feel free to ask questions