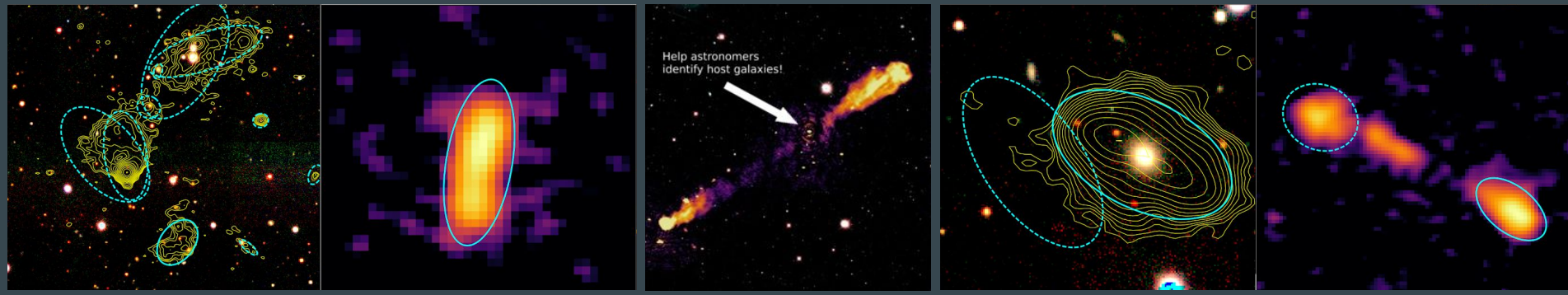


Radio Galaxy Zoo: LOFAR

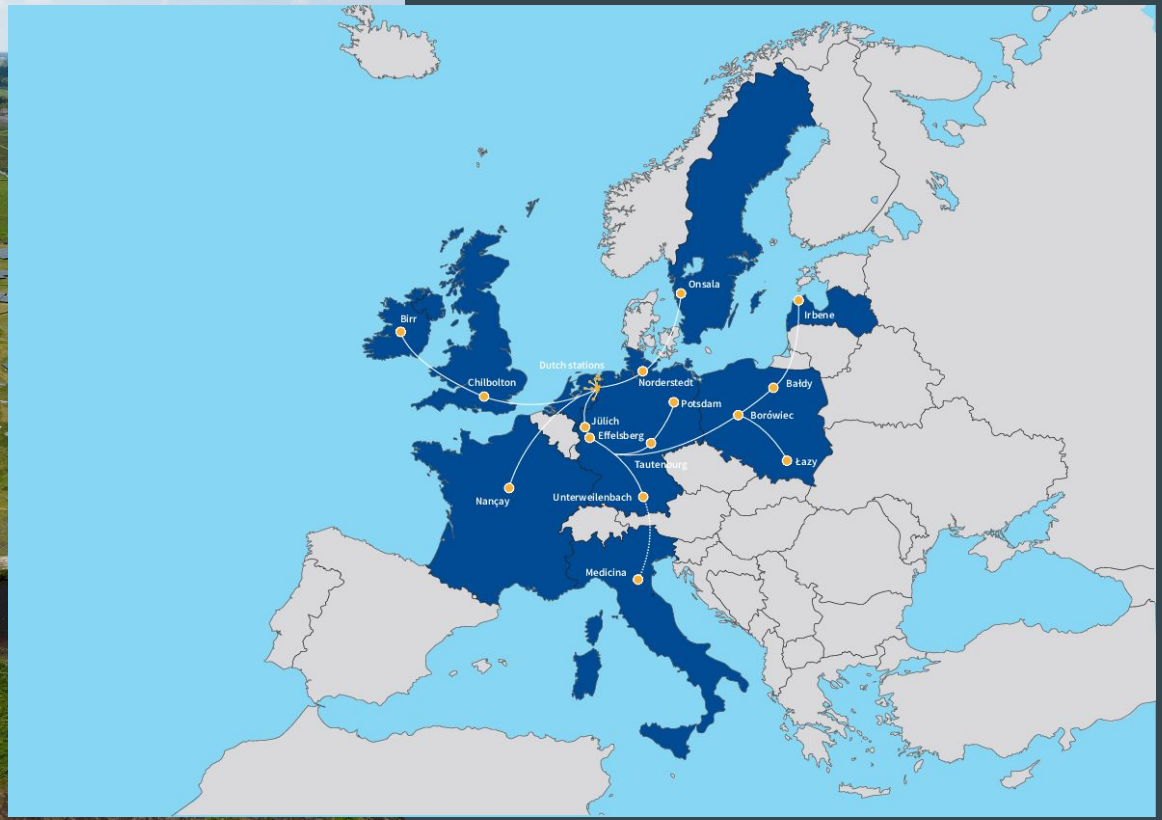
•••

Erik Osinga (Leiden University)
on behalf of the RGZ:LOFAR team

with special thanks to M. Hardcastle & H. Dickinson

The Low Frequency Array: LOFAR

The Low Frequency Array: LOFAR



The LOFAR Two Metre Sky Survey: LoTSS

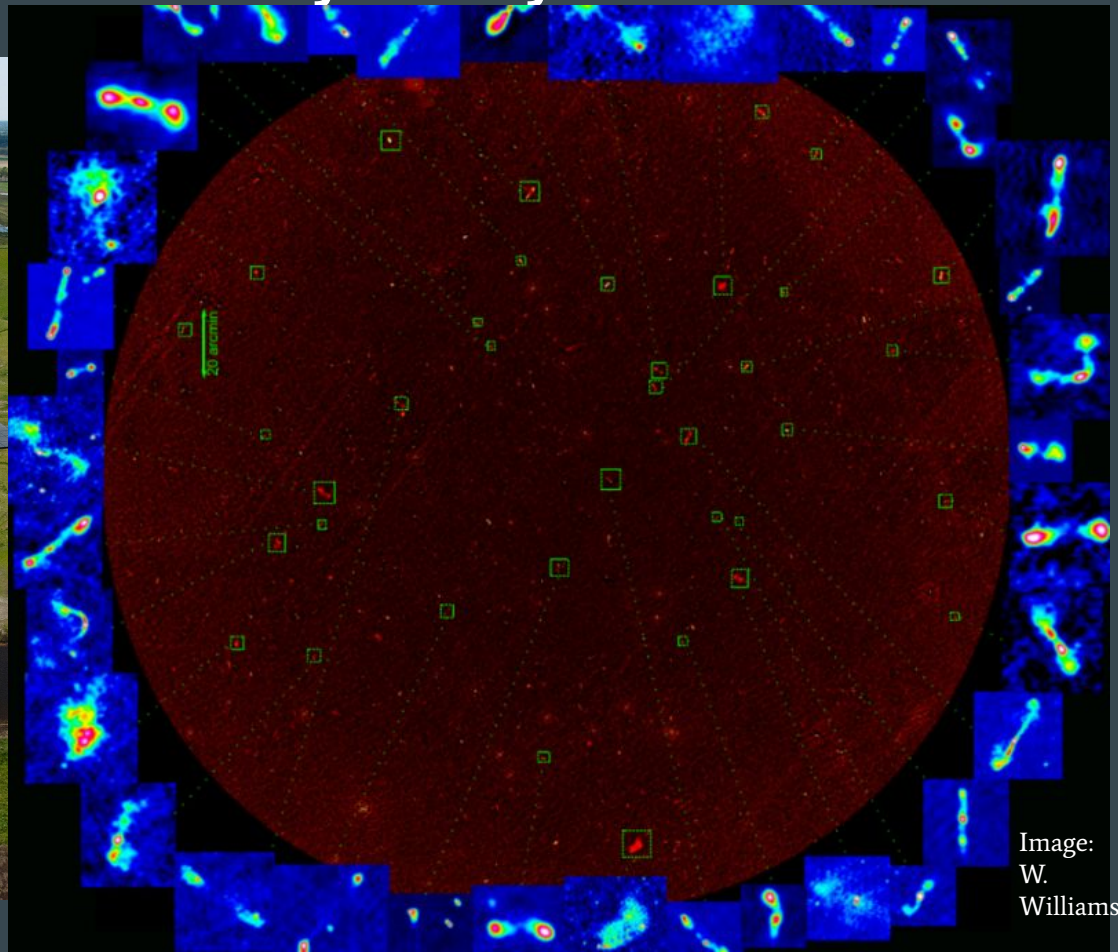


Image: W. Williams

The LOFAR Two Metre Sky Survey: LoTSS

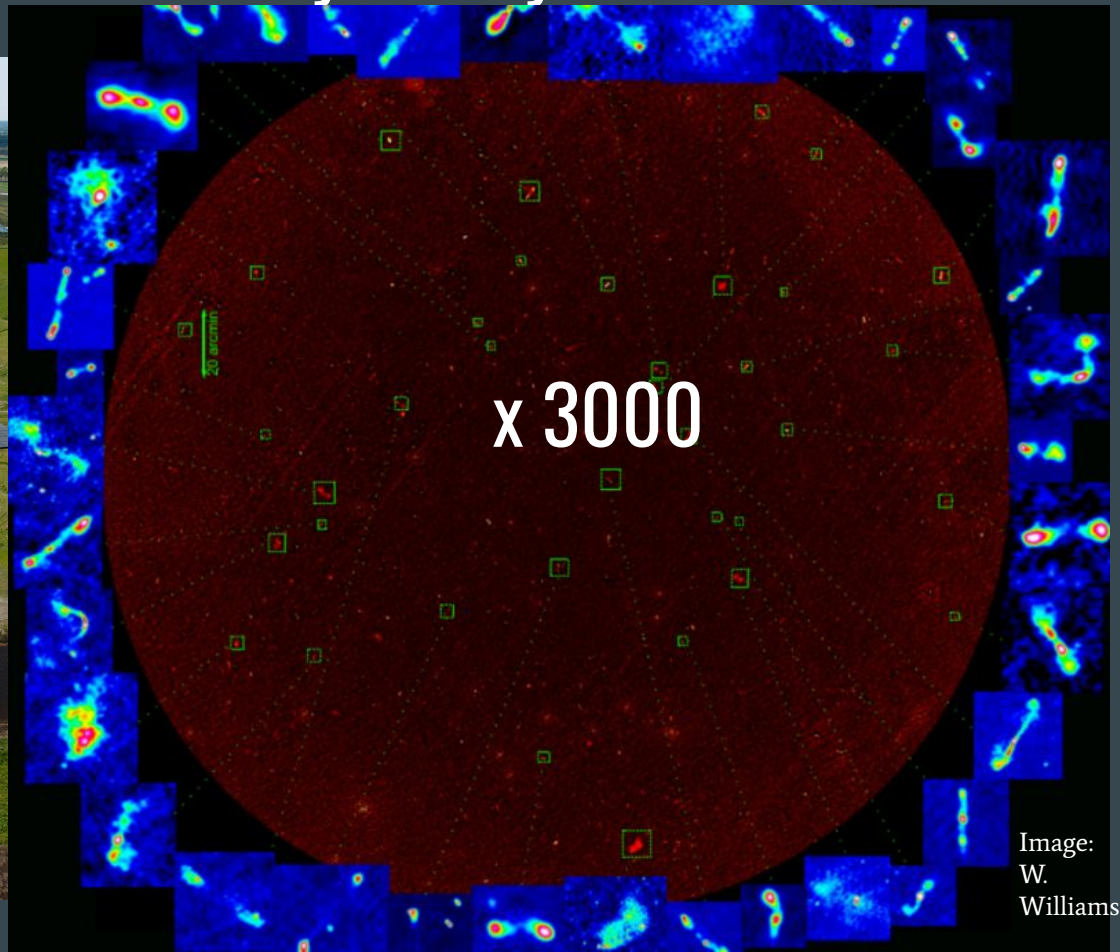
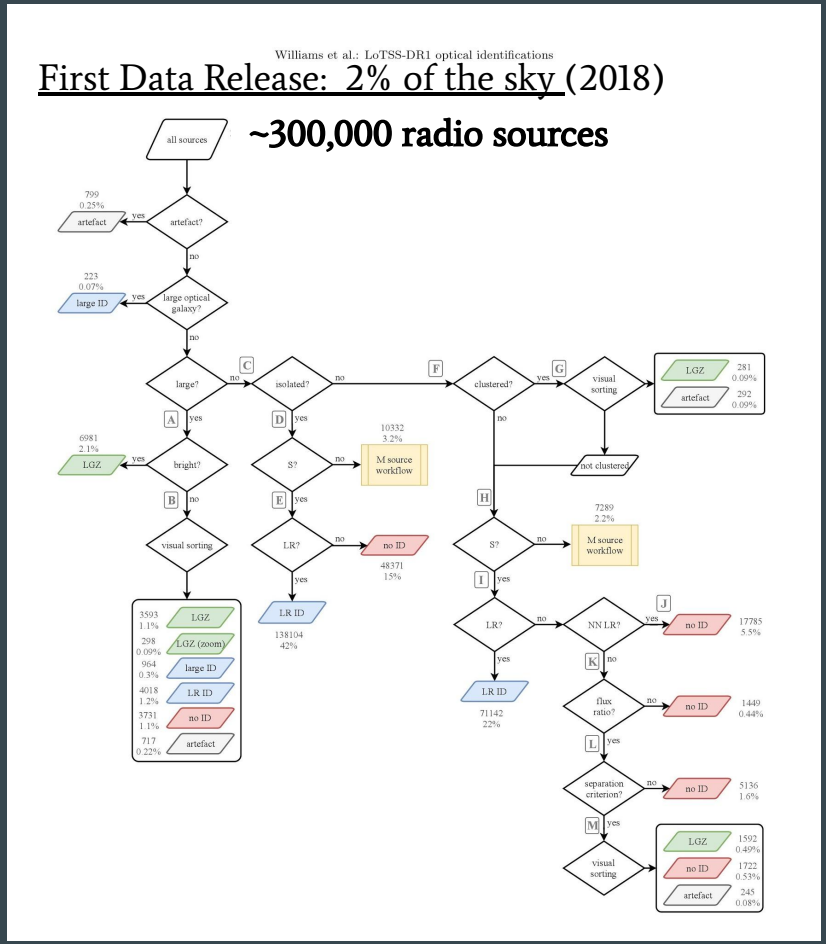


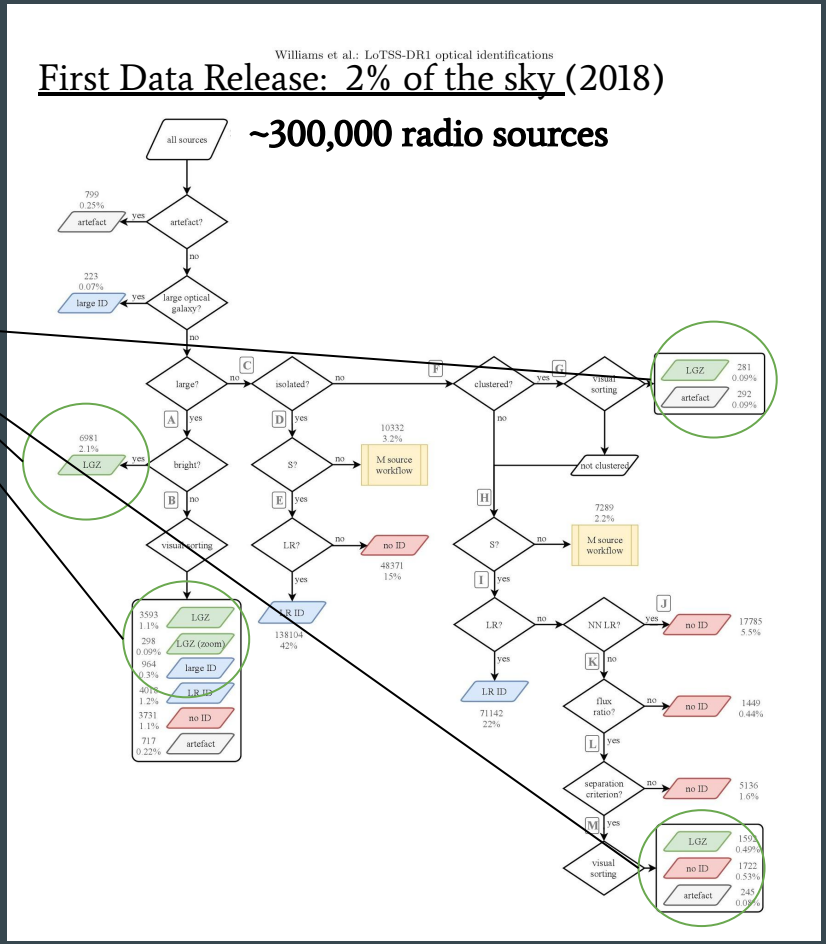
Image: W. Williams

Why do we need citizen Science?



Why do we need citizen Science?

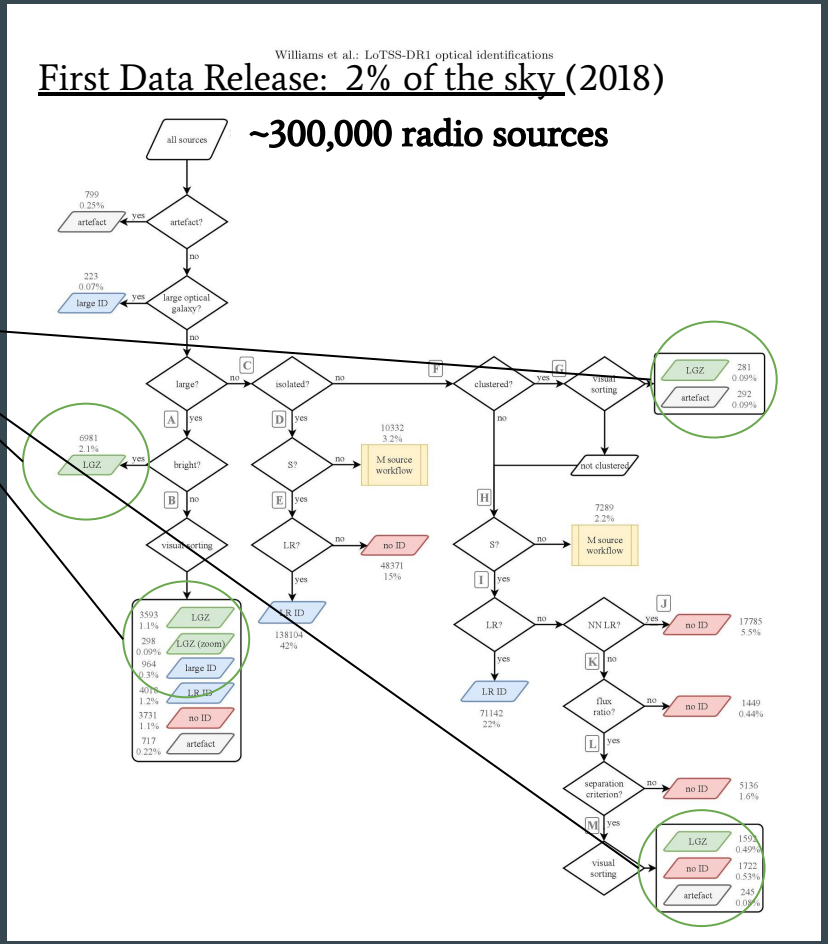
12,745 complex sources required visual inspection



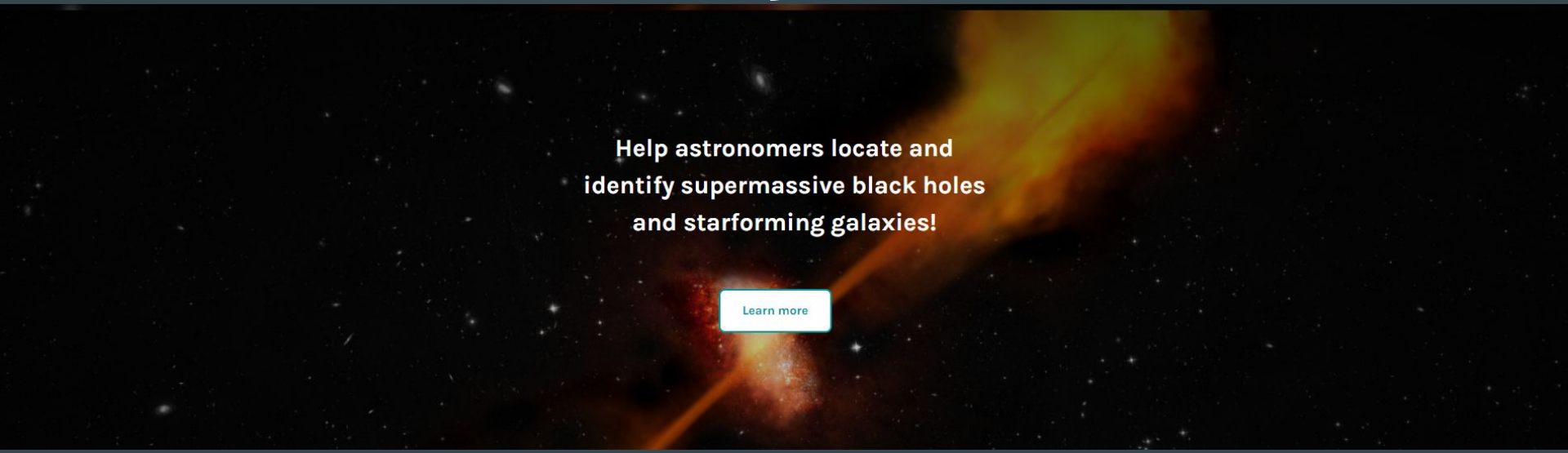
Why do we need citizen Science?

12,745 complex sources required visual inspection

>100,000 require visual inspection for the second release



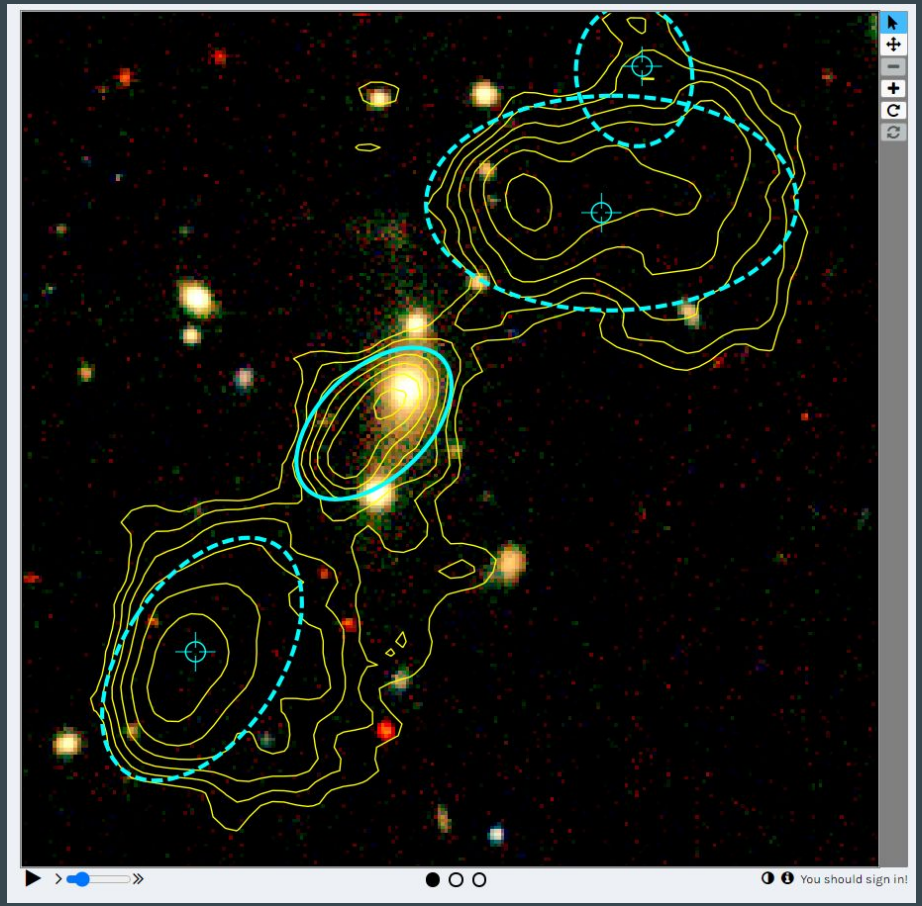
Radio Galaxy Zoo: LOFAR



http://lofargalaxyzoo.nl/

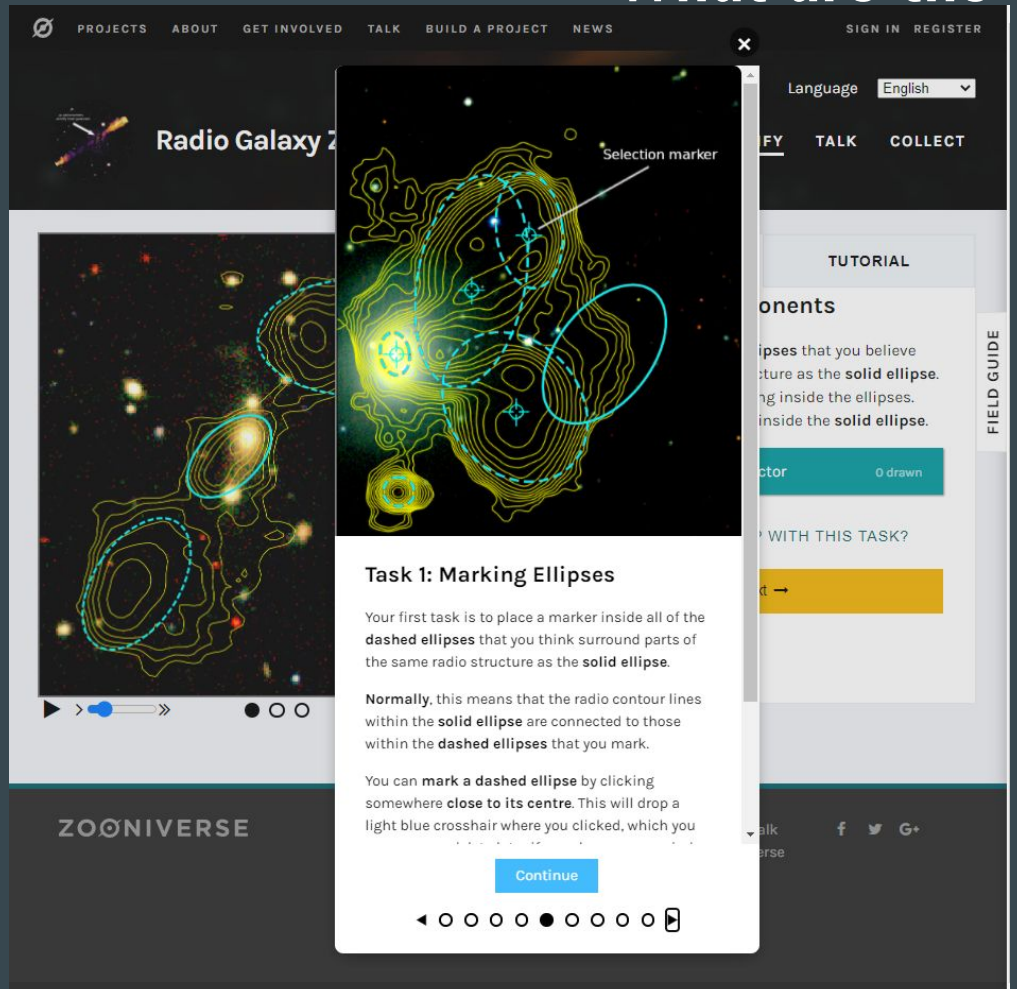
What are the tasks?

What are the tasks?



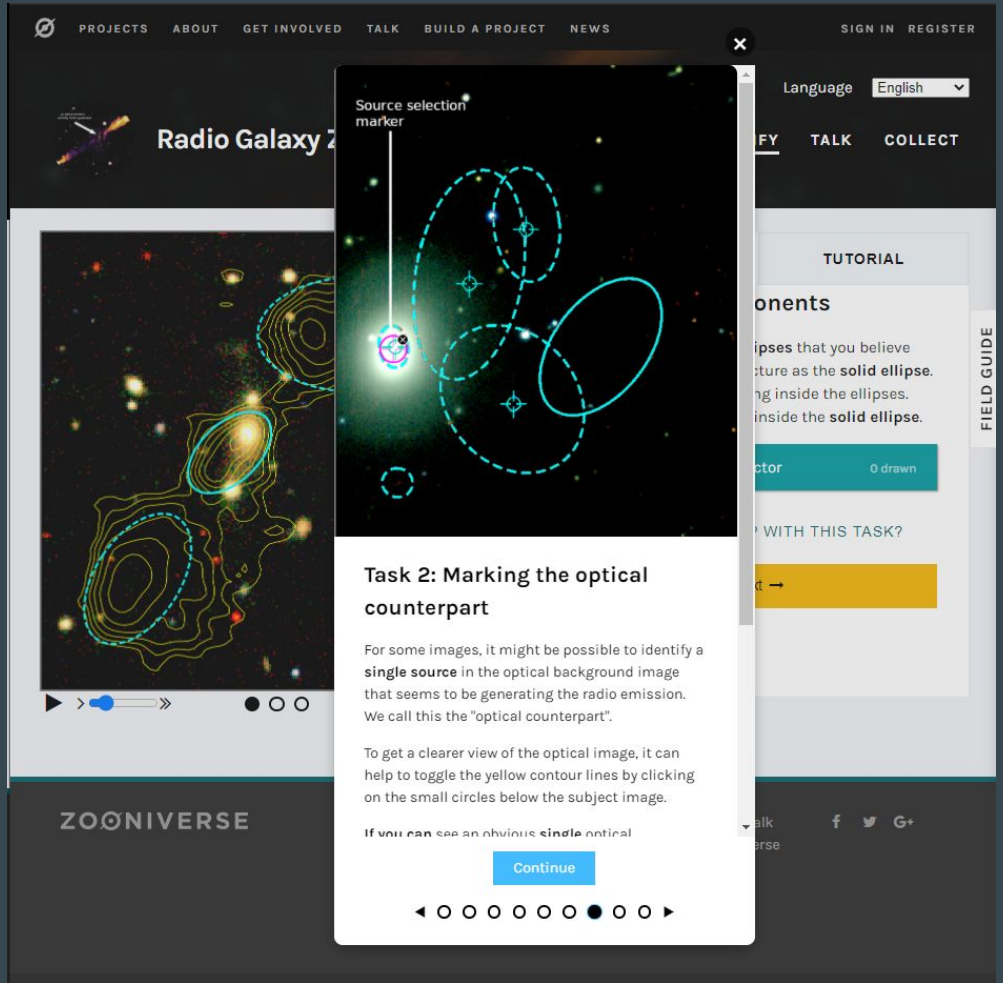
Radio
Optical
Components

What are the tasks?



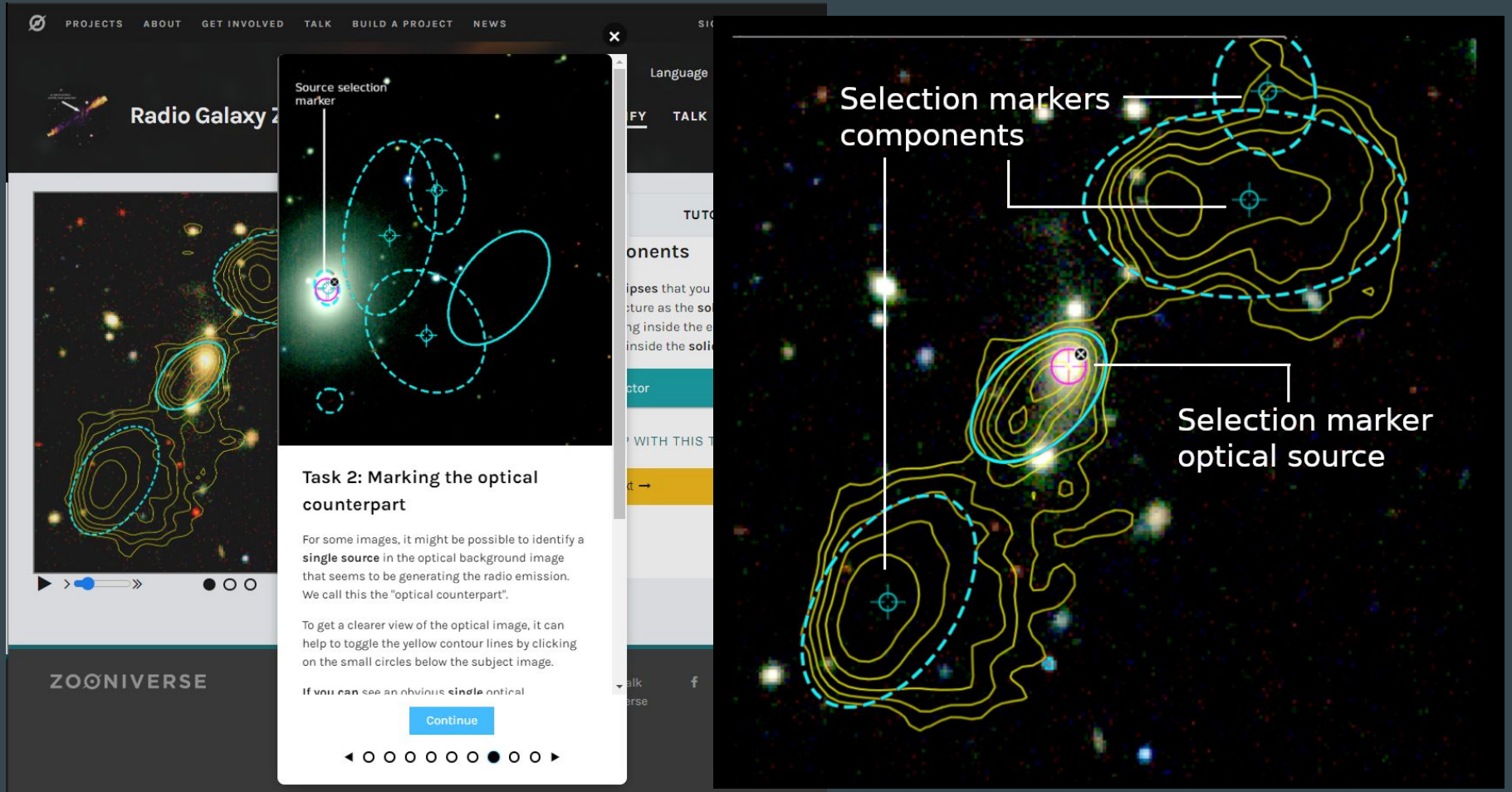
association

What are the tasks?

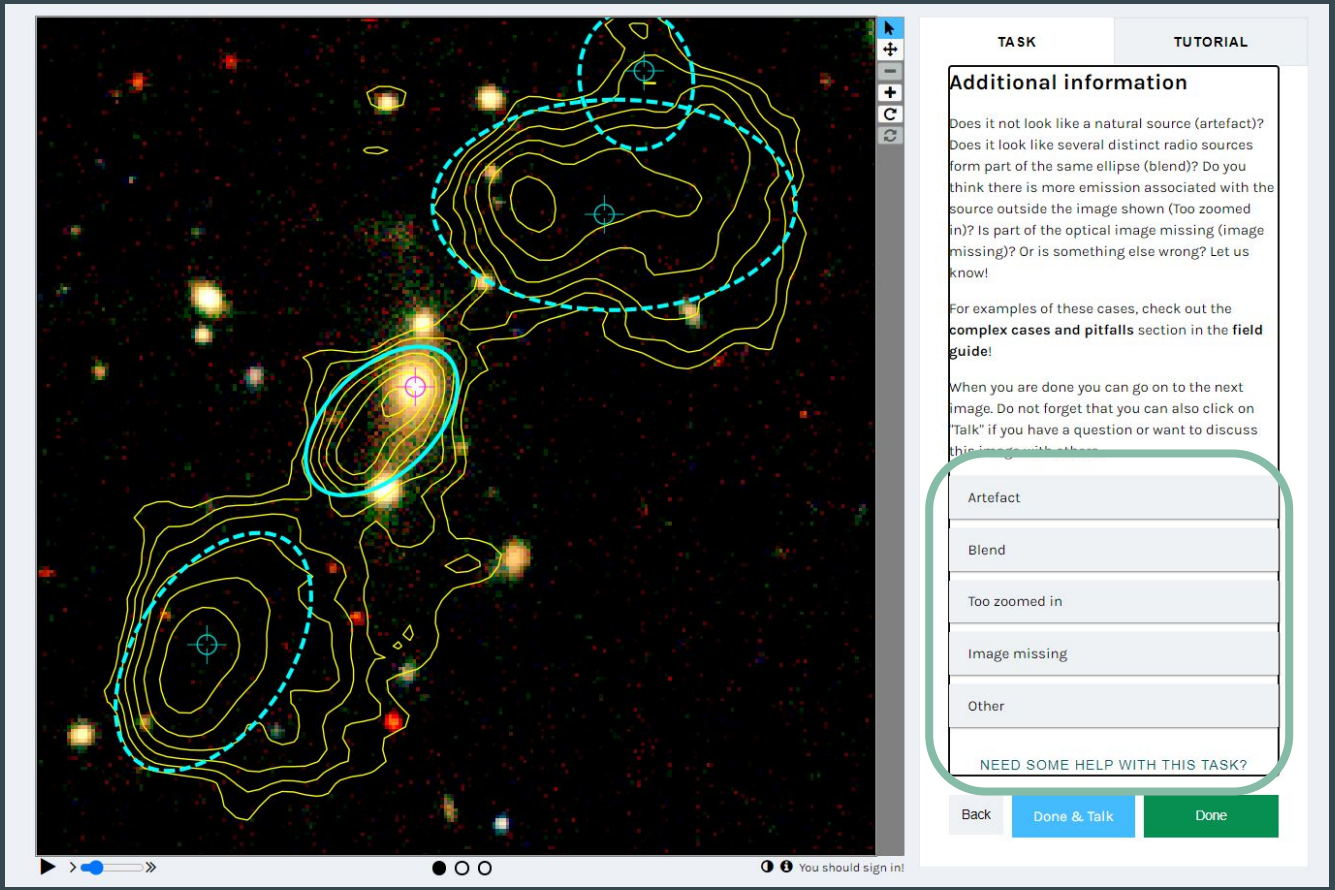


identification

What are the tasks?

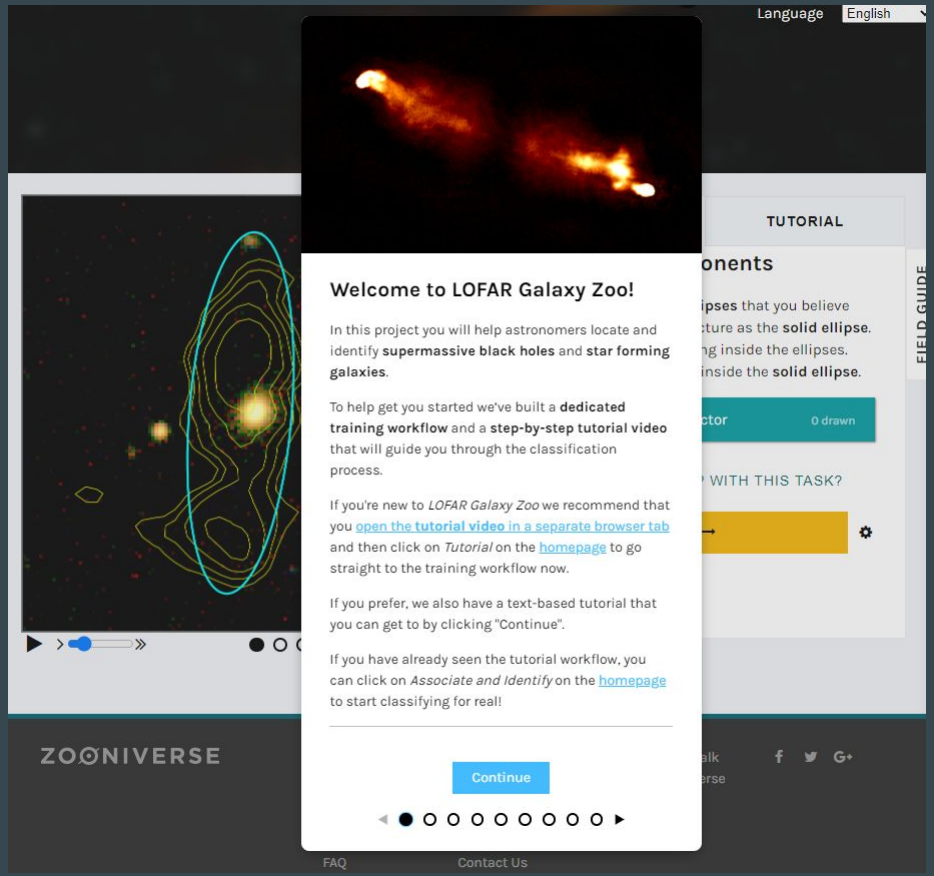


What are the tasks?



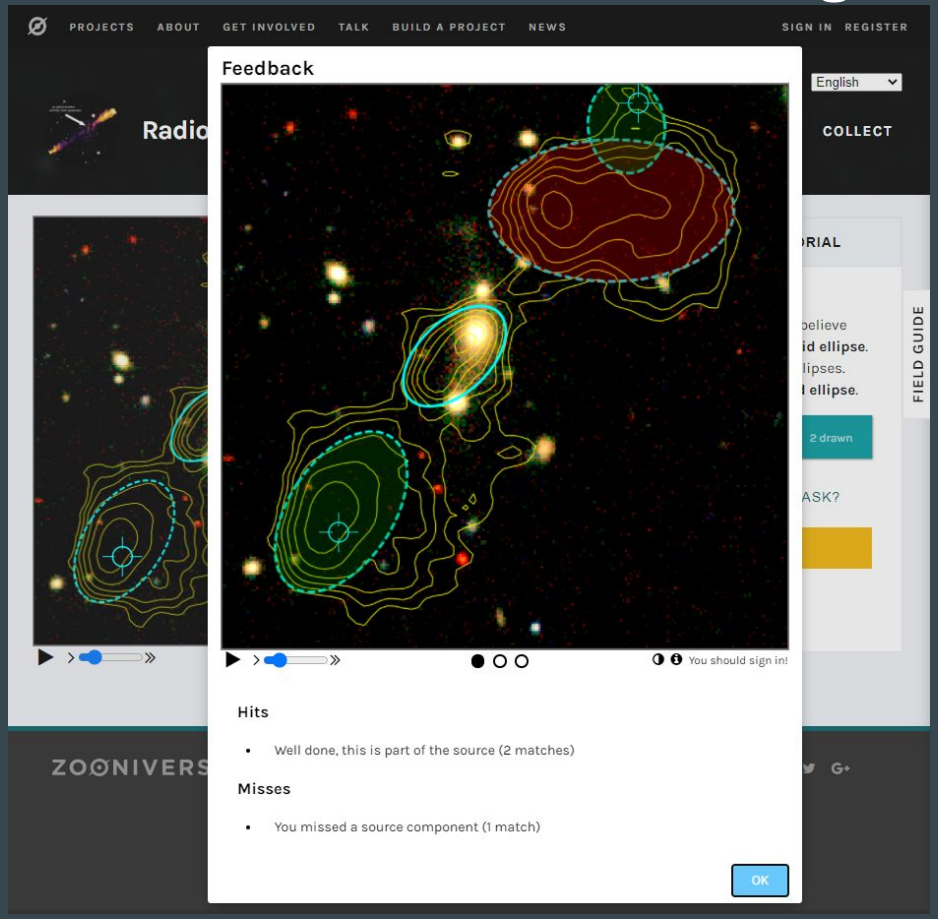
Training the volunteers

Training the volunteers

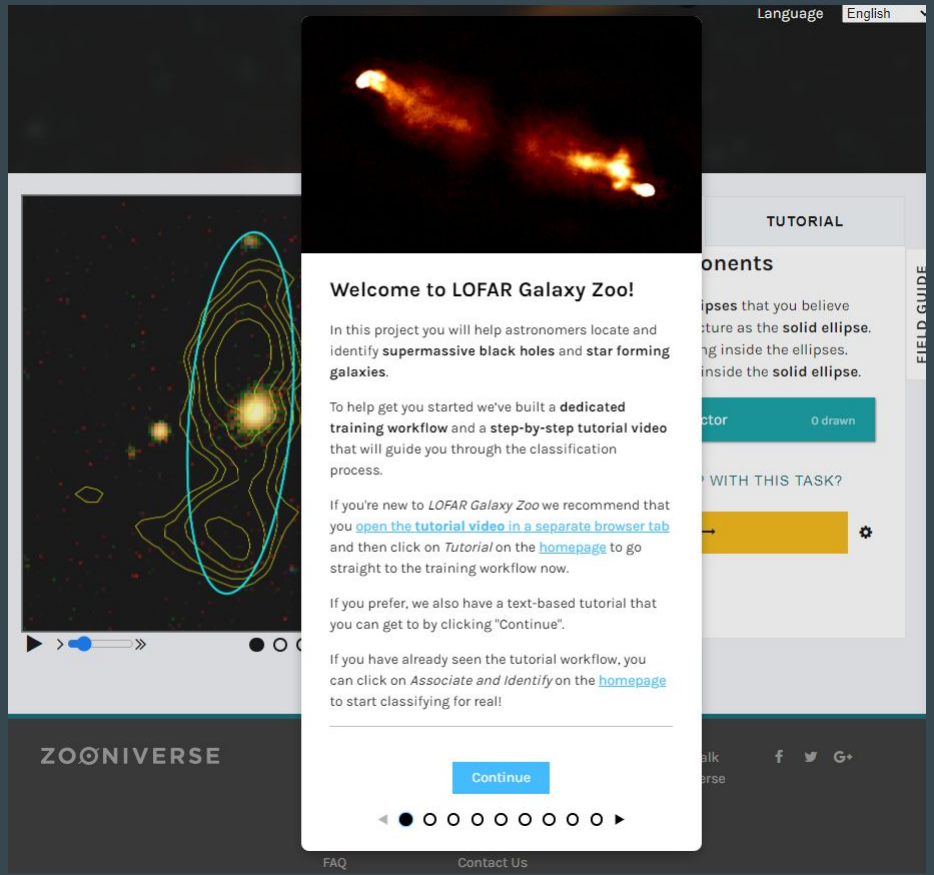


First time: Tutorial pop up

Training the volunteers



Hugh Dickinson will cover Feedback in a workshop



First time: Tutorial pop up

Training the volunteers

LOFAR Galaxy Zoo Instructievideo (Nederlands)

694 views • 9 months ago

LOFAR Galaxy Zoo Tutorial (English)

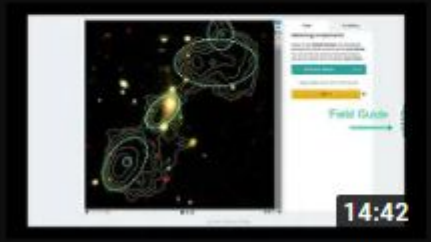
15K views • 9 months ago

Subtitles

LOFAR Galaxy Zoo Tutorial (Deutsch)

1.8K views • 9 months ago

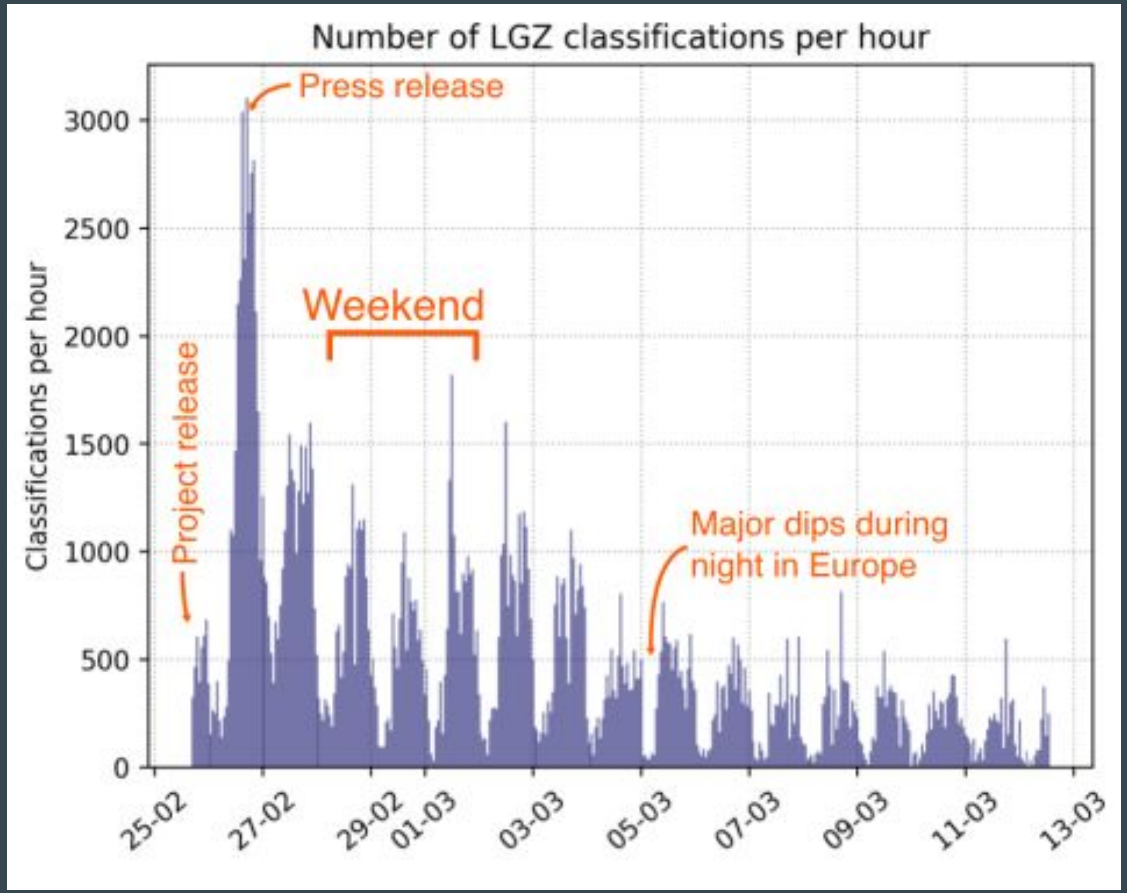
Subtitles



LOFAR Galaxy Zoo Tutoriel (Français)

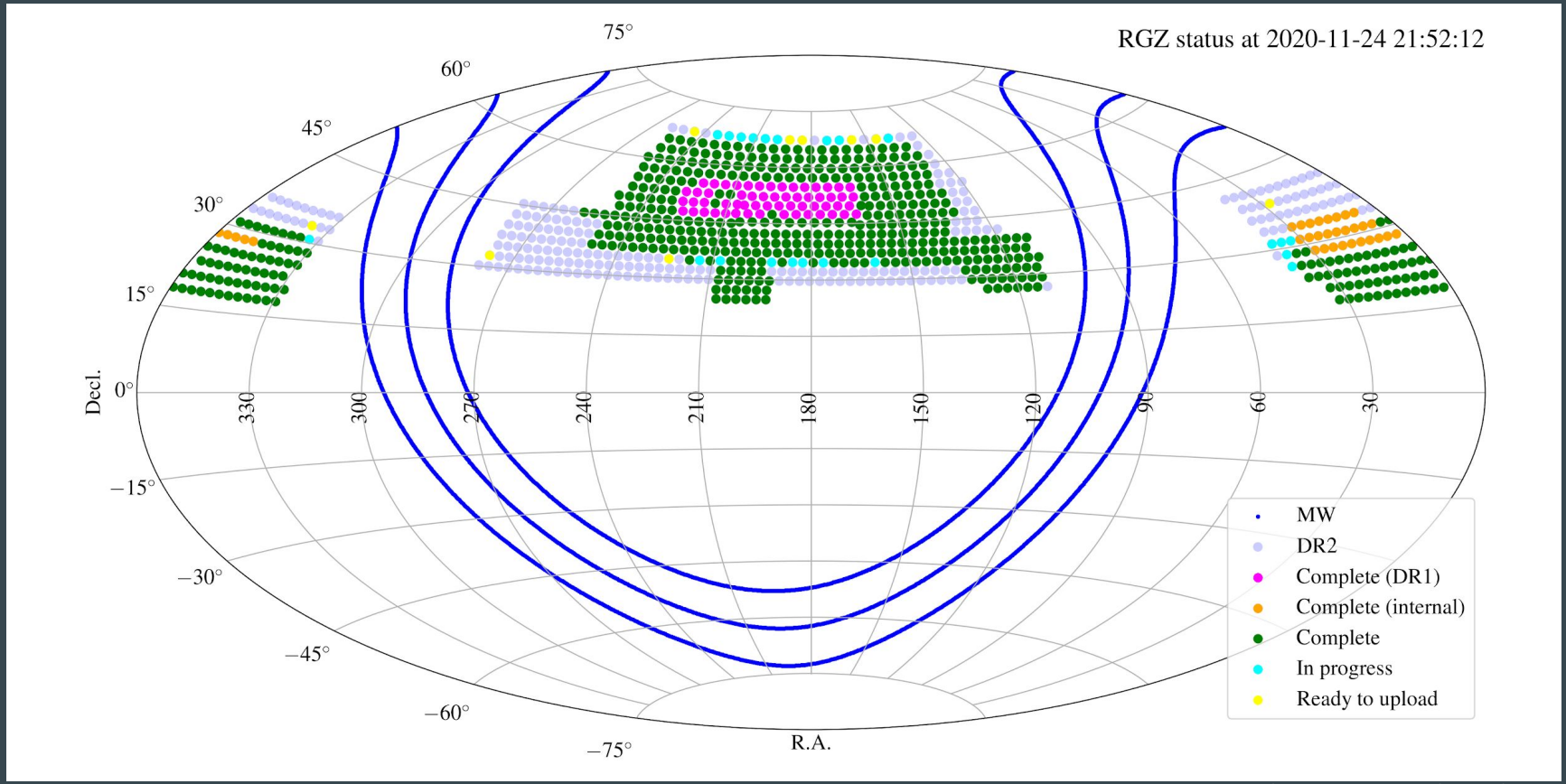
7.7K views • 9 months ago

The release - First month



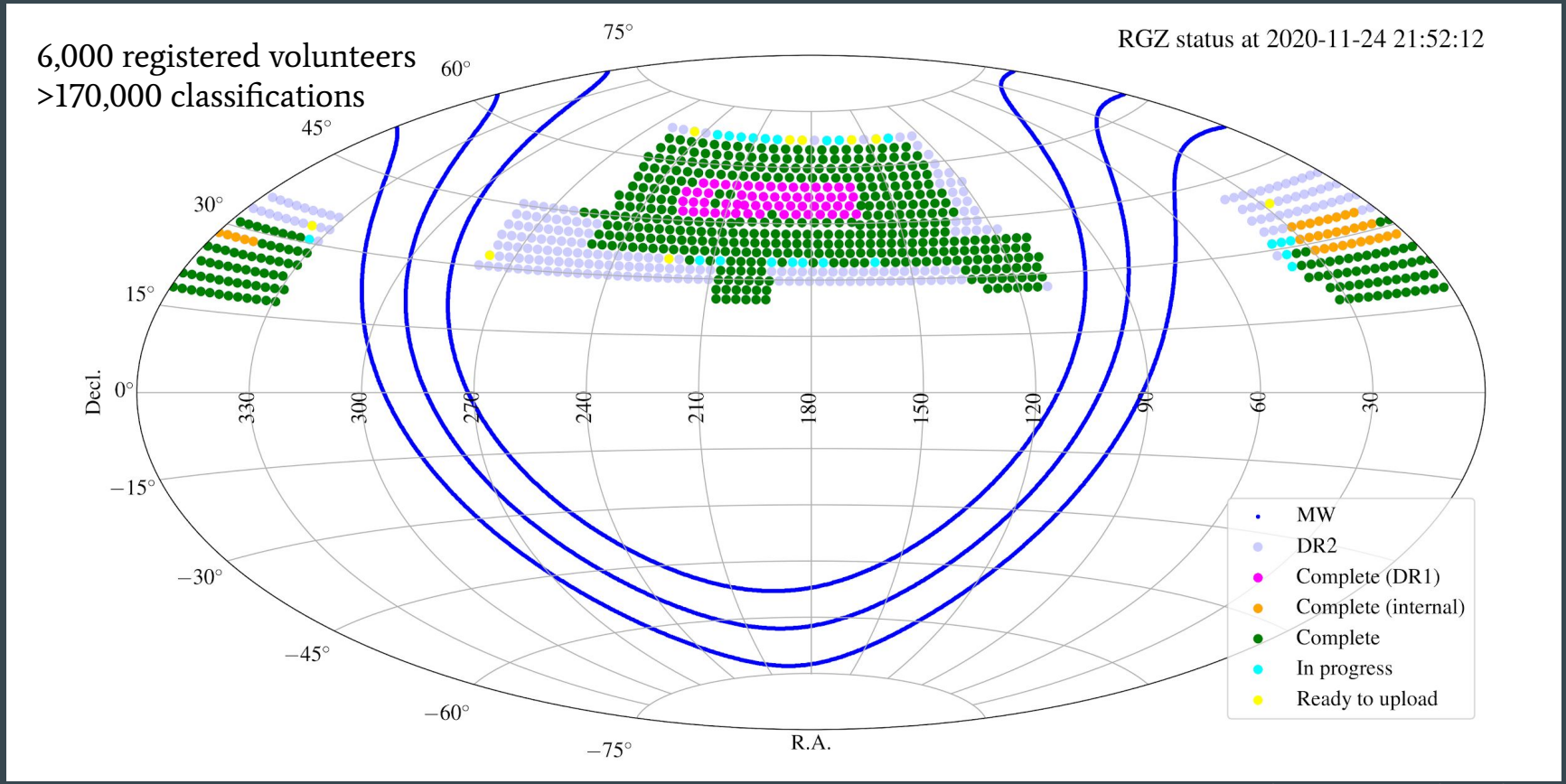
Credits: J. Mes

Progress thus far



Credits: M. Hardcastle

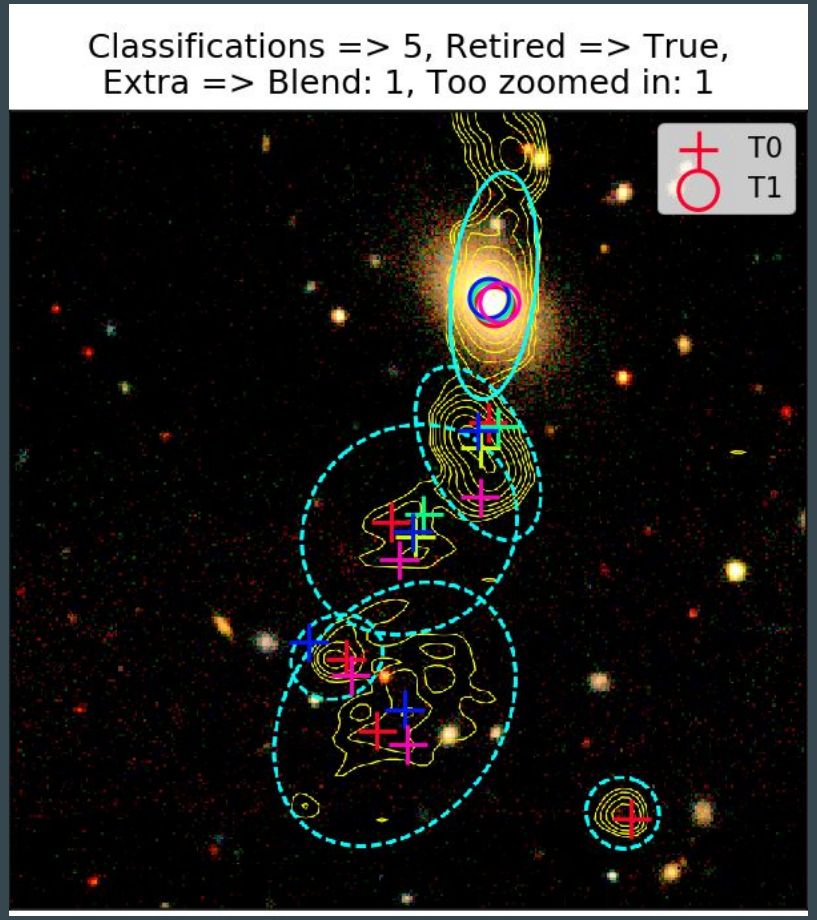
Progress thus far



Credits: M. Hardcastle

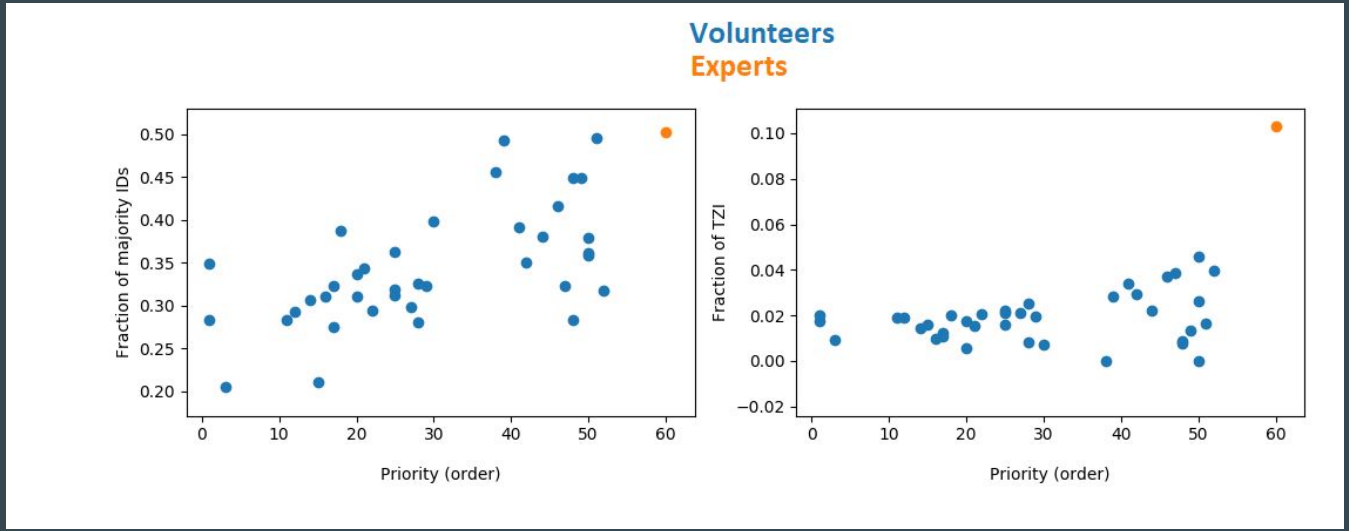
Data Reduction

- Each **component** is seen 5 times
- Group all **components**
- Require 60% consensus



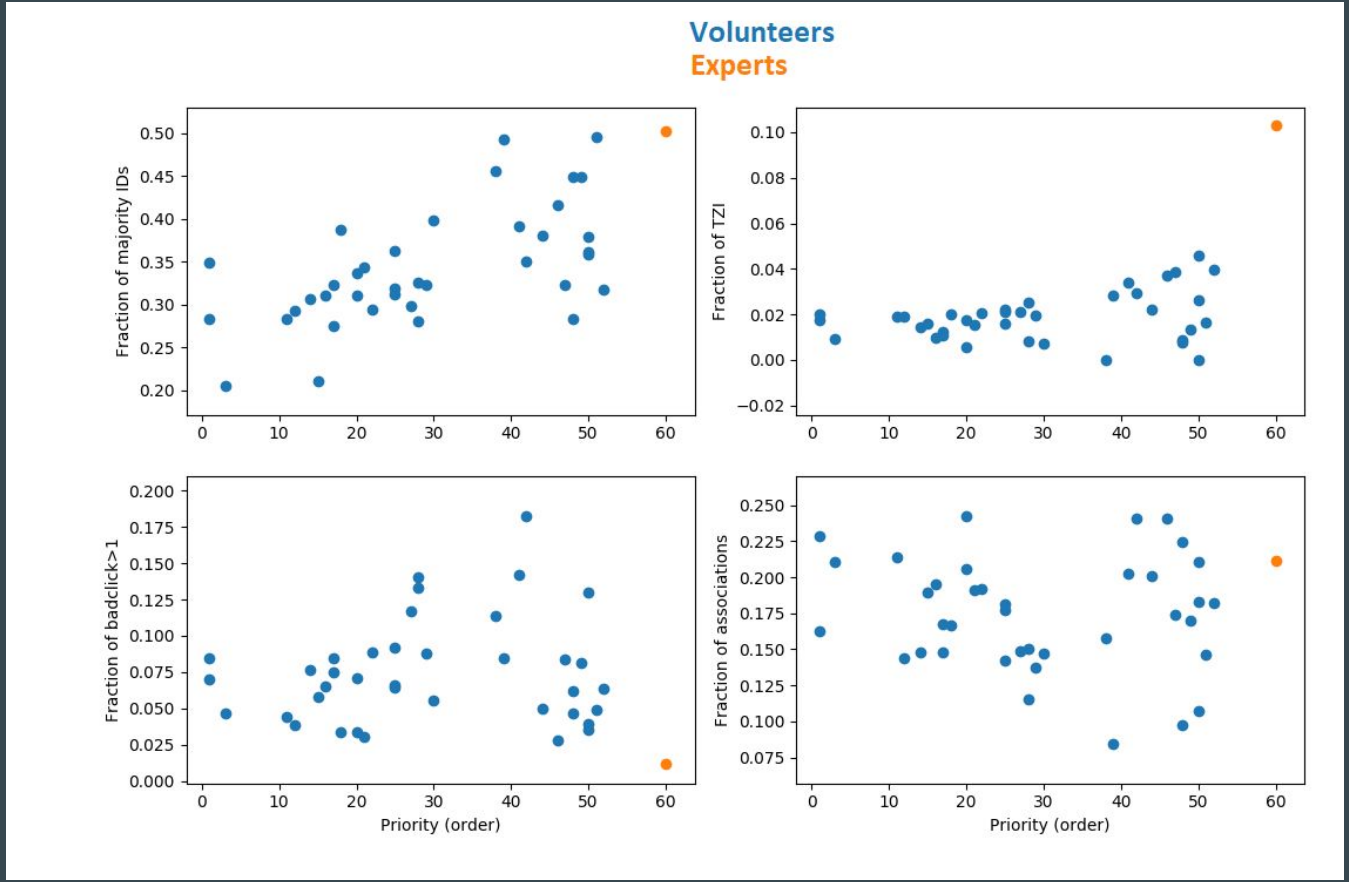
Credits: J.Mes

Quality



Credits: M. Hardcastle

Quality

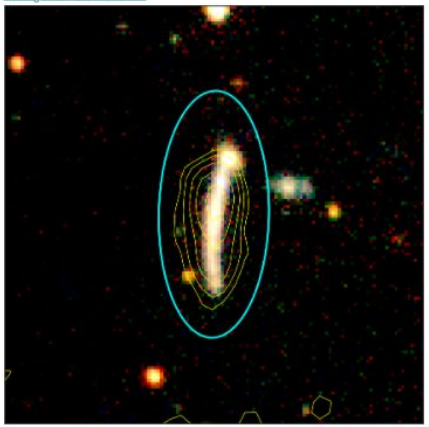


Credits: M. Hardcastle

Serendipitous Discovery

July 3rd 2020, 8:13 am

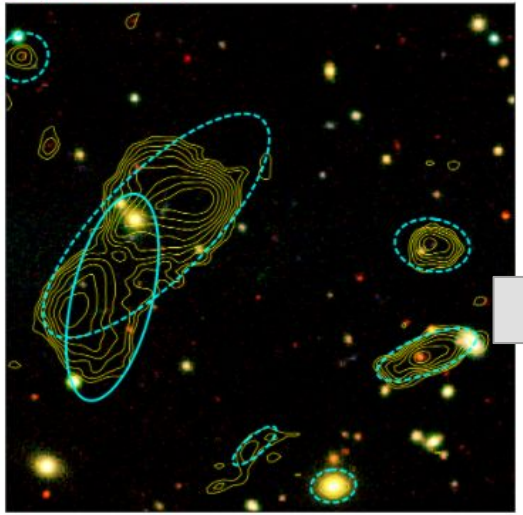
Subject 44123005



What is it ? Some kind of warped spiral ? (No ID in Simbad)

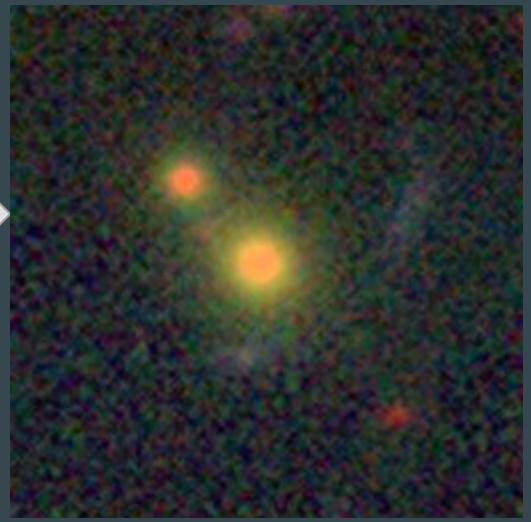
April 17th 2020, 8:27 pm

Subject 42453237



Middle left, probable optical host (at RA/DEC 164.2522, 40.4341) has gravitational lens

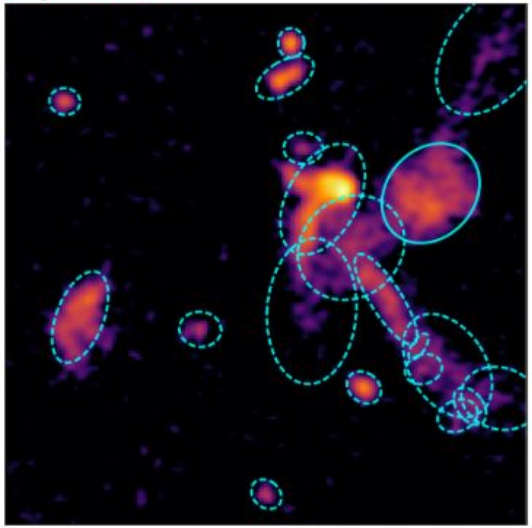
Example Alt Text



Serendipitous Discovery

February 29th 2020, 1:32 am

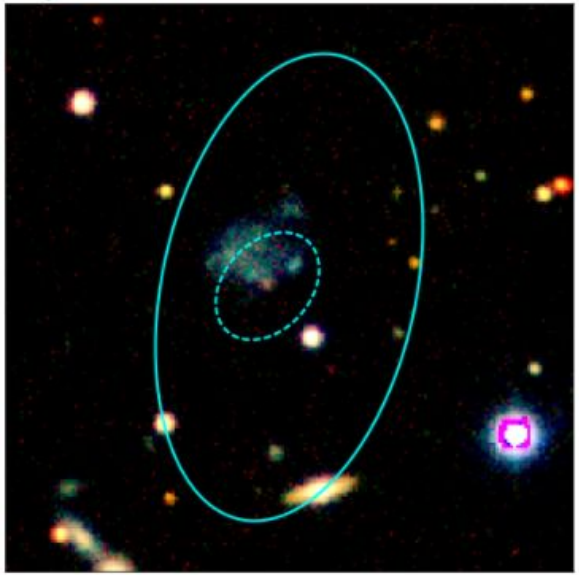
Subject 40654239



This #difficult and #complex mess of a #blend needs an expert to review it, I can't even hazard a guess to explain what all's going on here!

Helpful (1) Reply Link Report

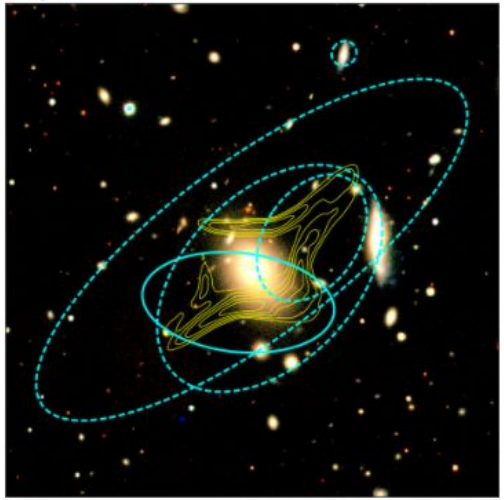
Subject 41688925



Which kind of galaxy is this ?

February 29th 2020, 10:58 am

Subject 40656399



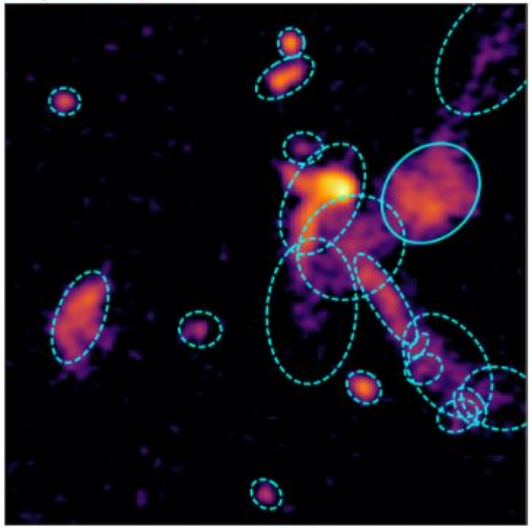
I don't understand that image. Has the optical galaxy applied a graviational lens effect on a distant radio source ?

Helpful (1) Reply Link Report

Serendipitous Discovery

February 29th 2020, 1:32 am

Subject 40654239



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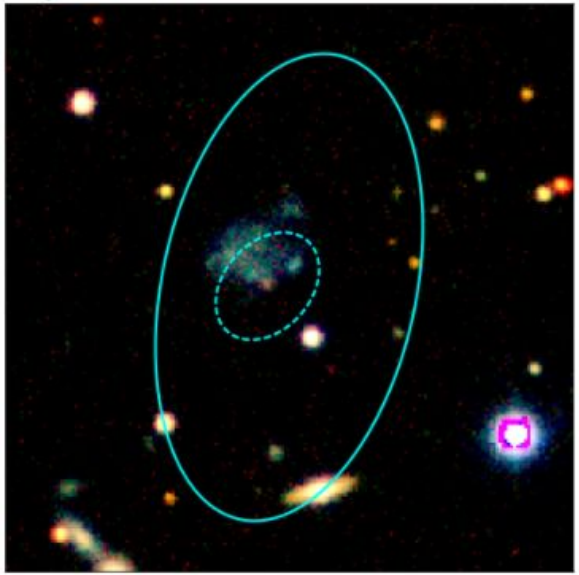

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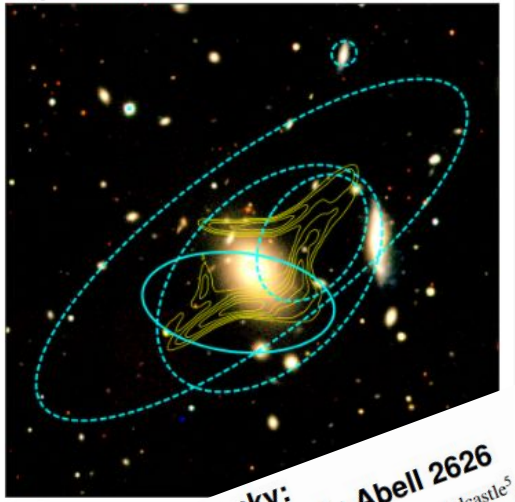


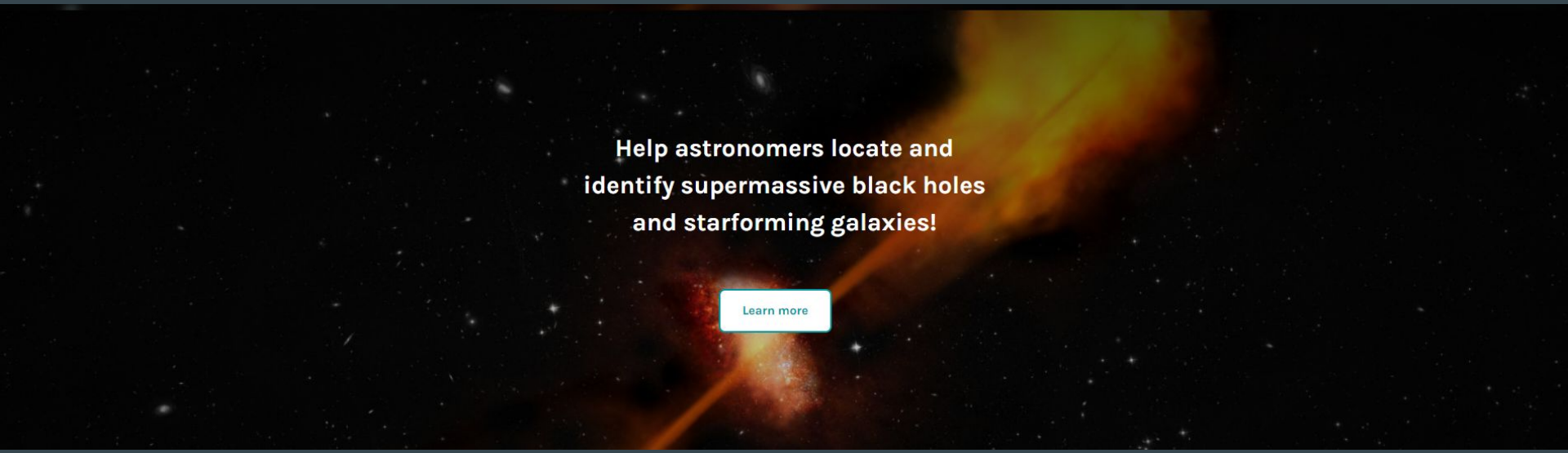
The great Kite in the sky: a LOFAR observation of the radio source in Abell 2626

A. Ignesti[1,2]*, T. Shimwell[3,4], G. Brunetti[2], M. Gitti[1,2], H. Intema[4,6], R. J. van Weeren[4], M. J. Hardcastle[5], A. O. Clarke[7,8], A. Botteon[4], G. Di Gennaro[4], M. Brüggen[9], I. Browne[8], S. Mandal[4], H. J. A. Röttgering[4], V. Cuciti[9], F. Gasperin[9], R. Cassano[2], A. M. M. Scaife[8]

...t image. Has the optical galaxy ...viational lens effect on a distant radio source

Helpful (1) Reply Link Report

Thank-you!



http://lofargalaxyzoo.nl/