





We present deep HI observations of two regions in the Virgo Cluster, obtained as part of the Arecibo Galaxy Environment Survey. Our typical rms is 0.6 mJy, equivalent to a sensitivity of  $8 \times 10^6$  M<sub>o</sub> at 17 Mpc distance. Thus far we have 73 cluster detections in 15 square degrees, of which 21 are not members of the Virgo Cluster Catalogue, including 3 that have no clear optical counterparts. 8 detections correspond to early-type galaxies. All optical images shown here are RGB images from the SDSS DR7.





## Rhys Taylor<sup>1</sup>, Jon Davies<sup>2</sup> & Robert Minchin<sup>1</sup>

<sup>1</sup> National Astronomy and Ionosphere Center, Arecibo Observatory, Puerto Rico <sup>2</sup> Cardiff University, Wales, U.K.









