

# Exploring Our Marine

## ROV Holland 1

- An 'ROV' or Remotely Operated Vehicle is an unoccupied, highly manoeuvrable underwater ROBOT which is used to explore the depths of our ocean.
- The Marine Institute's ROV Holland 1 is equipped with ROBOTIC ARMS, sensors and a CAMERA SYSTEM to observe our seabed.
- Using the ROV Holland 1, an Irish-led scientific expedition in 2011 discovered the Moytirra Deep Sea hydrothermal vent field along the Mid-Atlantic Ridge, north of the Azores, Portugal.
- Using the ROV Holland 1, Irish Scientists in 2017 recorded the deepest known occurrence of a cold-water coral reef off the continental shelf at 1,600m deep.



*Foras na Mara*  
*Marine Institute*