

# **CHANGE DETECTION**

## **NDVI 2017 ( Nainital District )**

### **MAP**

### **DESCRIPTION**

#### **INTRODUCTION:**

Nainital is located at the Kumaon foothills. It is rich in flora and fauna. Various species of medicinal flora also been found here.

#### **NDVI:**

Normalized difference vegetation index is a effective index for quantifying green vegetation. It normalizes green leaf scattering in Near Infra-red wavelengths with chlorophyll absorption in red wavelengths.

$$\text{NDVI} = (\text{NIR} - \text{RED}) / (\text{NIR} + \text{RED})$$

NDVI values range from +1.0 to -1.0.

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