//Code is taken from DEMO repository of GEE platform

var geometry = /\* color: #d63000 \*/ee.Geometry.Point([5.7788, 52.7005]);

// Get the VV collection.

var collectionVV = ee.ImageCollection('COPERNICUS/S1\_GRD')

.filter(ee.Filter.eq('instrumentMode', 'IW'))

.filter(ee.Filter.listContains('transmitterReceiverPolarisation', 'VV'))

.filter(ee.Filter.eq('orbitProperties\_pass', 'DESCENDING'))

.select(['VV']);

// Create a 3 band stack by selecting from different periods (months)

var im1 = ee.Image(collectionVV.filterDate('2016-04-01', '2016-05-30').mean());

var im2 = ee.Image(collectionVV.filterDate('2016-06-01', '2016-08-31').mean());

var im3 = ee.Image(collectionVV.filterDate('2016-09-01', '2016-11-30').mean());

Map.centerObject(geometry, 13);

Map.addLayer(im1.addBands(im2).addBands(im3), {min: -25, max: 0}, 'VV stack');

// Get the VH collection.

var collectionVH = ee.ImageCollection('COPERNICUS/S1\_GRD')

.filter(ee.Filter.eq('instrumentMode', 'IW'))

.filter(ee.Filter.listContains('transmitterReceiverPolarisation', 'VH'))

.select(['VH']);

// Collection max. Zoom to Shanghai for an interesting visualization.

Map.addLayer(collectionVH.max(), {min: -25, max: 0}, 'max value', false);