

# RSO-Iran (Islamic Republic of)

## **Overview of Activities**

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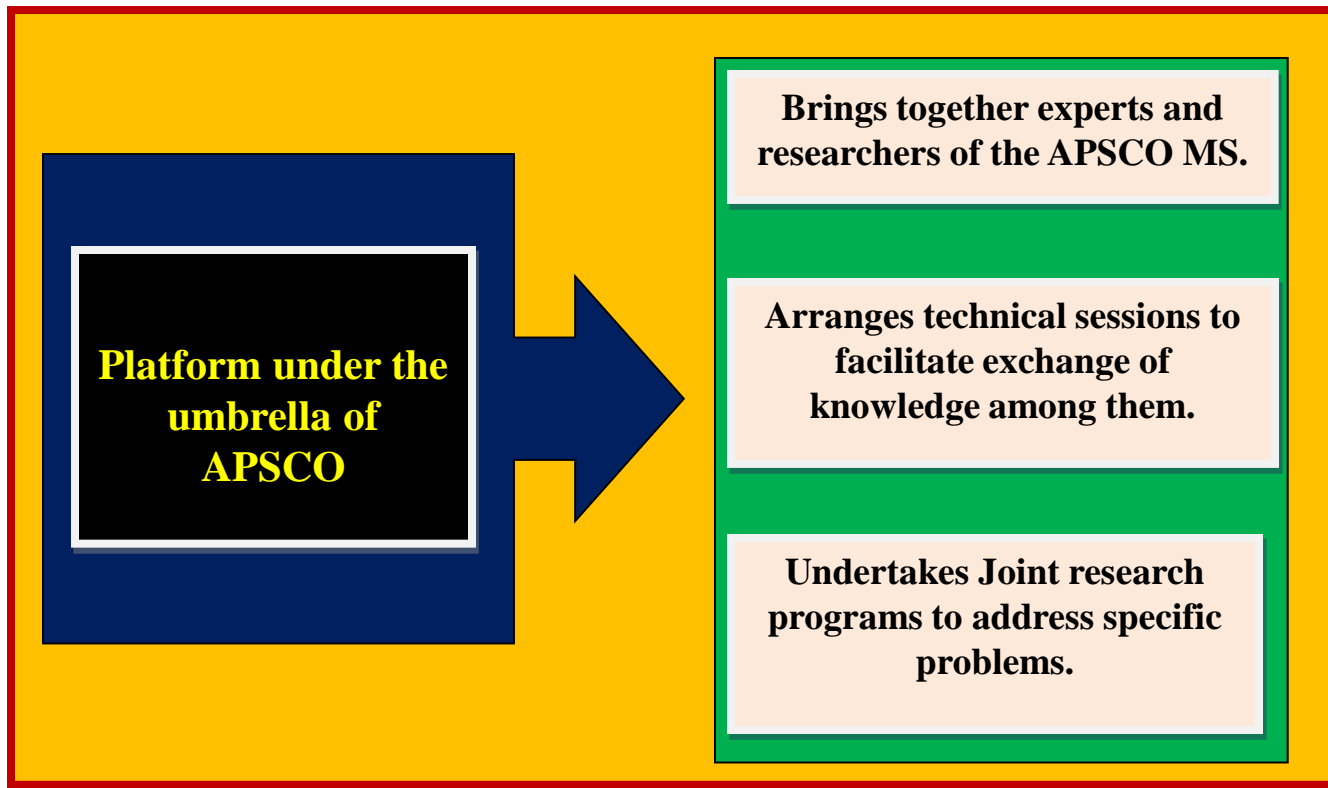
September 2016

# **On-Going Joint Project under the umbrella of APSCO**

Establishment of a Framework for Researches on Application of Space Technology for Disaster Monitoring in the APSCO Member States.

- 2 Year Project
- Starting since early 2016
- Prioritized disasters in the APSCO region:  
**Earthquake, Flood, Drought**

# On-Going Joint Project under the umbrella of APSCO



The ultimate goal of the project is to enhance technical knowledge of the APSCO Member States on the application of space technology for disaster monitoring, it is purely a **knowledge building** project.

# On-Going project with the cooperation of Ministry of Agriculture Wheat-Barley Mapping

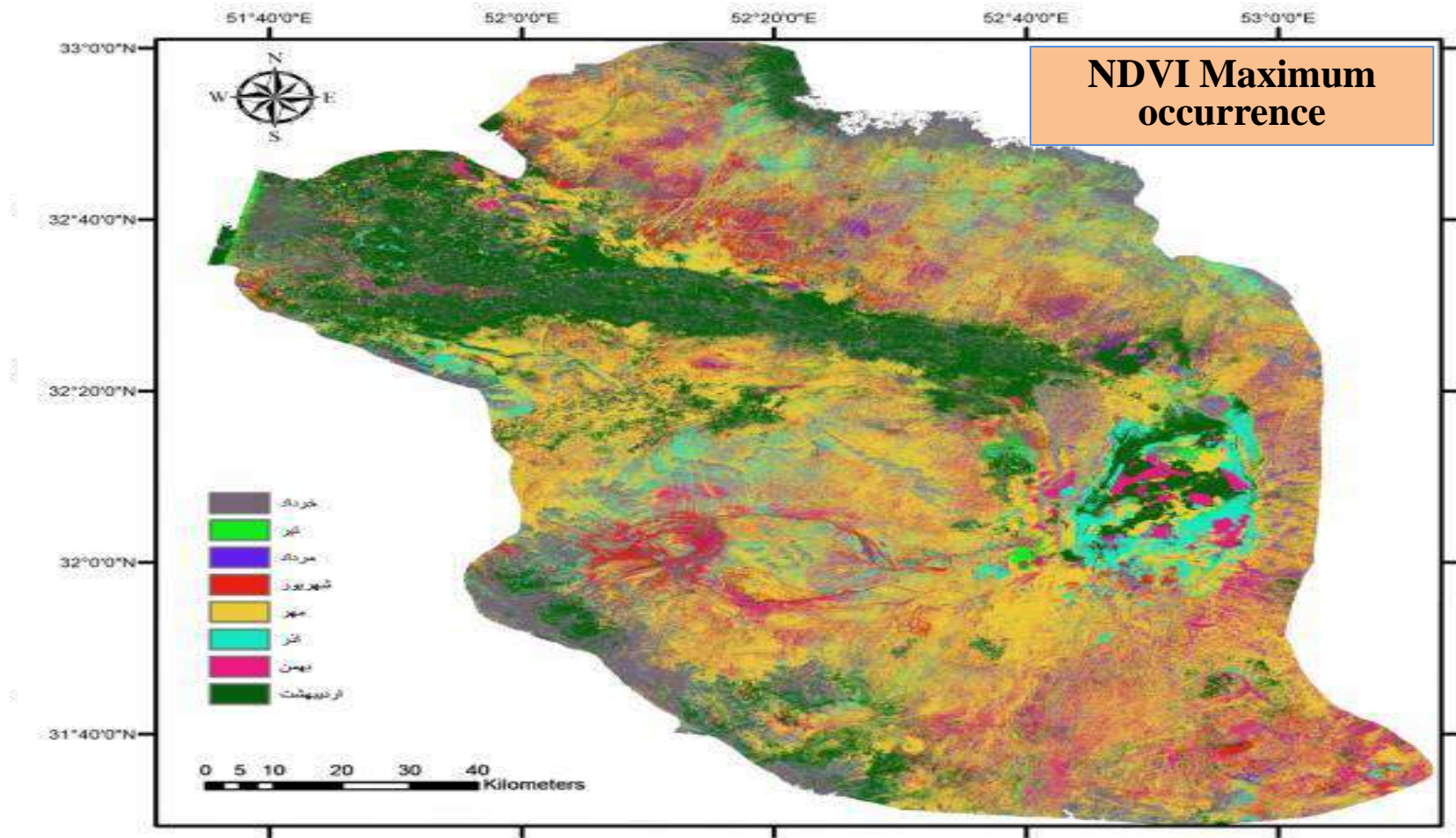
- Agricultural mapping including following classes:
  1. Irrigated Wheat-Barley fields
  2. Rain fed Wheat-Barley fields
  3. Orchard
  4. Other Irrigated fields
  5. Other Rain fed Fields
  6. Fallow



Area (Sqkm)	County
15706	Isfahan
1954	Borkhar
4993	Ahwaz
3630	Shoosh
3350	Chenaran
8166	Torbat-Jam
37799	-

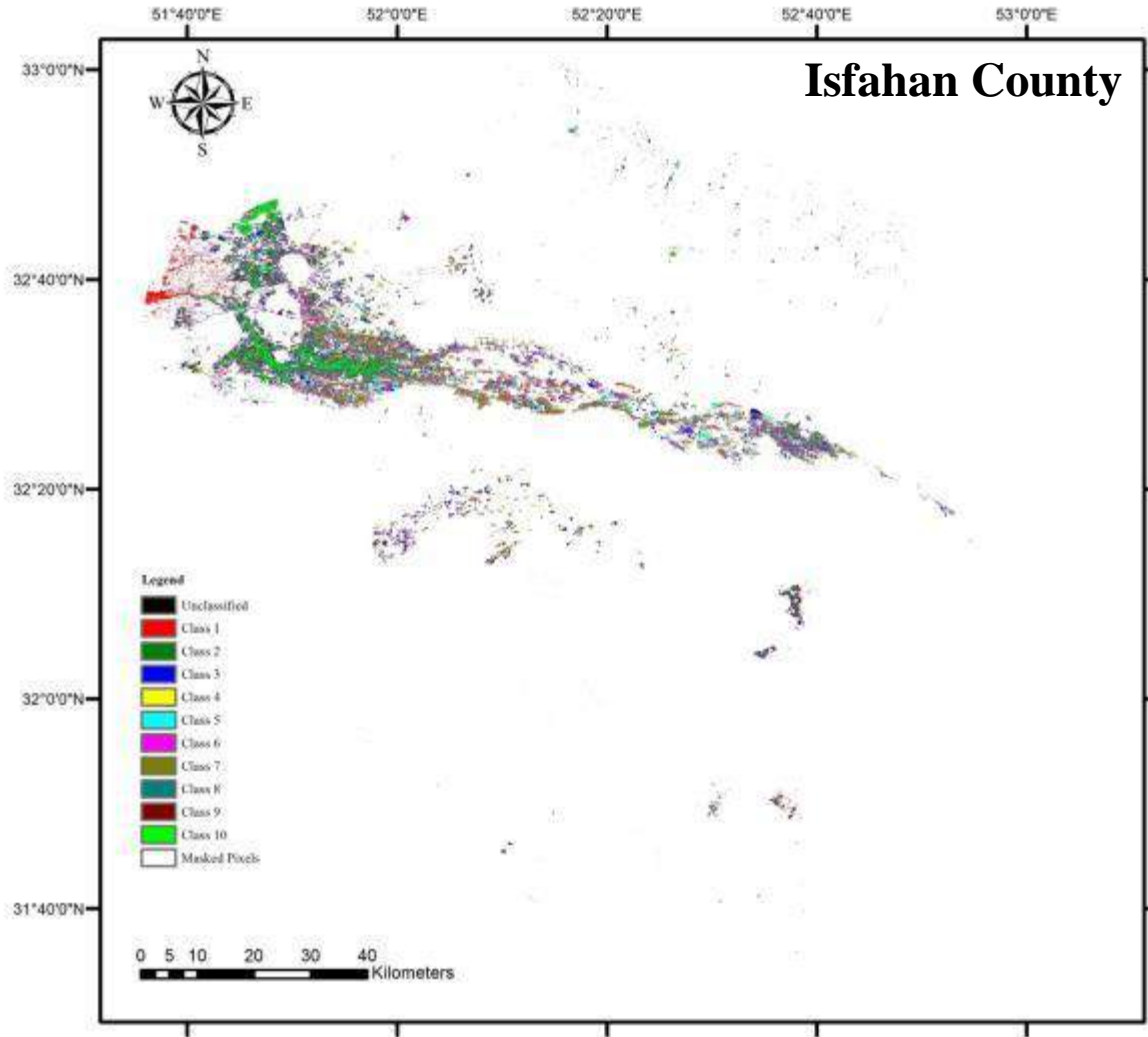
## Inputs:

- Multi-Temporal (each 16 days) Landsat-8 Imagery since September 2015(NDVI, NDVI Max, NDVI Max occurrence)
- Slope Map
- Training and Check Samples (150 samples at each region)





# Clustering within Agricultural Lands





# Events:

## World Space Week(4-10 Oct)

### Remote Sensing Enabling our Future



### The Events planned for World Space Week 2016:

- ✓ One day Expert Meeting on “Space Tech in Agriculture”
- ✓ One day workshop on “Space Tech in Environmental Monitoring”
- ✓ One day workshop on “Space Tech in Geo-science”
- ✓ One day workshop on “Space Tech in Geo-Information”

# Events: International Workshop



## United Nations/Islamic Republic of Iran Workshop on the Use of Space Technology for Dust Storm and Drought Monitoring in the Middle East Region

5 - 9 November 2016, Tehran, Islamic Republic of Iran

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Image credit: NASA

[http://www.unoosa.org/oosa/en/ourwork/psa/schedule/2016/workshop\\_iran.html](http://www.unoosa.org/oosa/en/ourwork/psa/schedule/2016/workshop_iran.html)





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# Thanks