Use of Space Technology for Sustainable Development in Iran

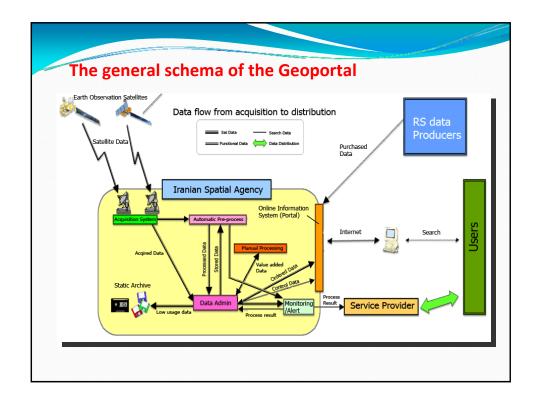
Iranian Space Agency

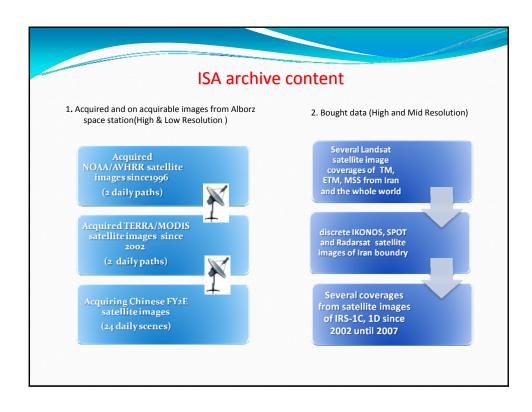
Prepared By: Abdolreza Ansari Amoli

In order to employ the guidelines for sustainable development, remote sensing and geographic information system (RS/GIS) have emerged as sub-systems of space technology.

The application of these techniques in solving of ongoing environmental problems of Iran, as well as, for the future sustainable development of the country is described by reviewing some case studies conducted in Iranian Space Agency (ISA) and direct cooperation with the other companies and universities.

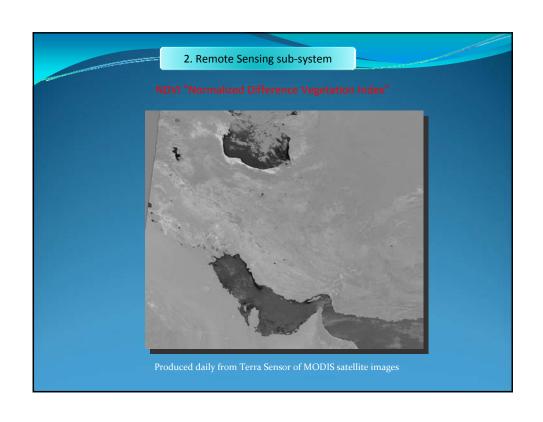
The Establishment of National Space Geoportal for archive data management

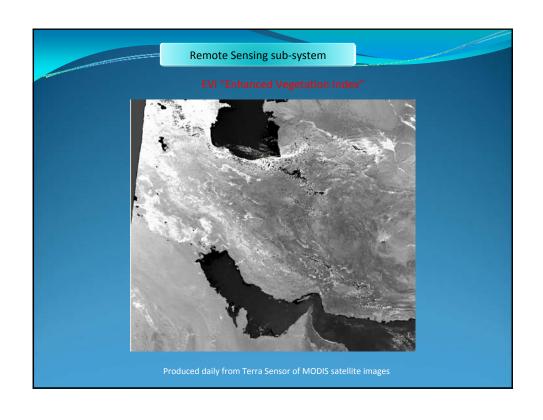


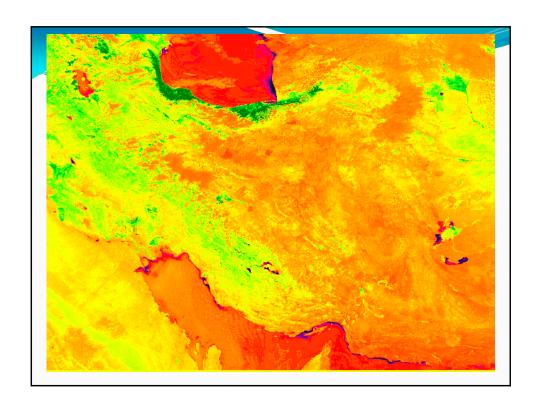


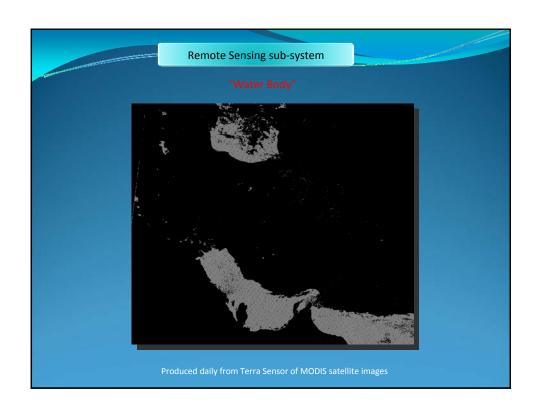
Creating a Monitoring system based on directly acquired satellite images Currently, 8 products from MODIS satellite images, and 2 products from NOAA satellite images are daily produced. Samples of produced data that are monitored daily: NDVI "Normalized Difference Vegetation Index" EVI "Enhanced Vegetation Index" "Water Body" NDSI "Snow Coverage" LST "Land Surface temperature" SST "Sea level temperature" "Fire or Hot pixel" product from satellite images and alerting the specified authorities to be confirmed

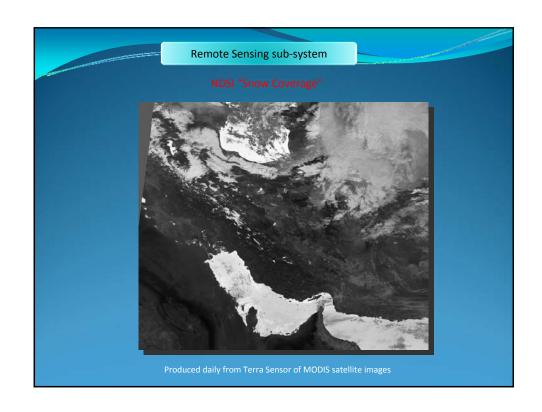
Geoportal products and services



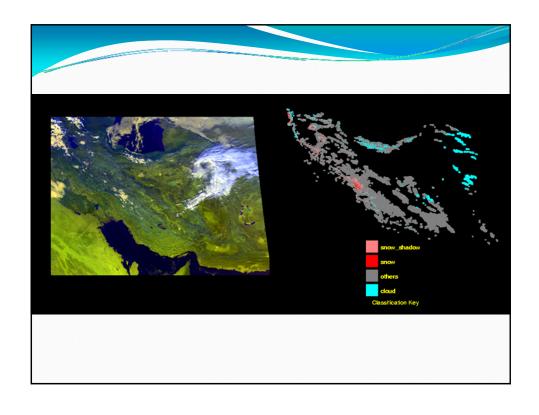


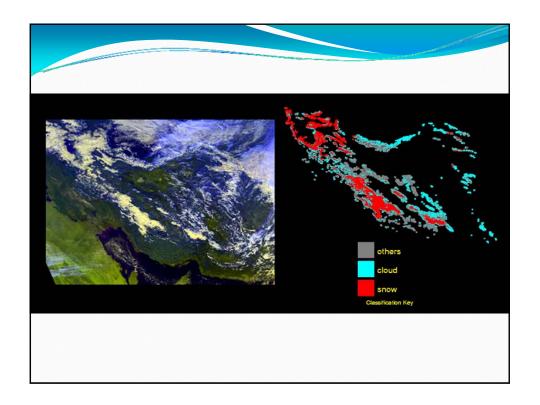


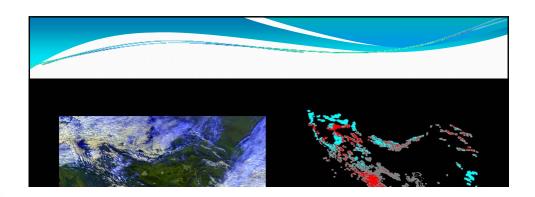




Snow Mapping in Iran by Using NOAA/AVHRR







预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_6157

