



Food and Agriculture Organization  
of the United Nations

# Forest Monitoring Service

“Hydrometeorology and monitoring center” SNCO

Armenia



FORESTS



**WORKSHOP ON FOREST MONITORING AND RESTORATION  
IN THE CAUCASUS AND CENTRAL ASIA**

**9 DECEMBER 2020, ONLINE**



## FORESTS



Service of the Hydrometeorology and  
Active Influence on Atmospheric Phenomena



“Hydrometeorology and monitoring  
center” SNCO



Forest Monitoring Service

# GIS and RS based activities

## Forest Monitoring Service

### FORESTS

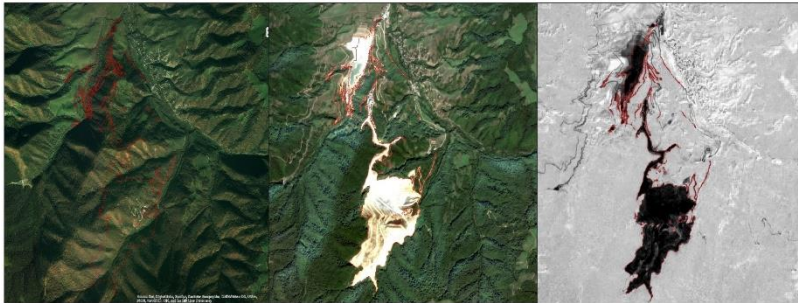


"Teghut" mine

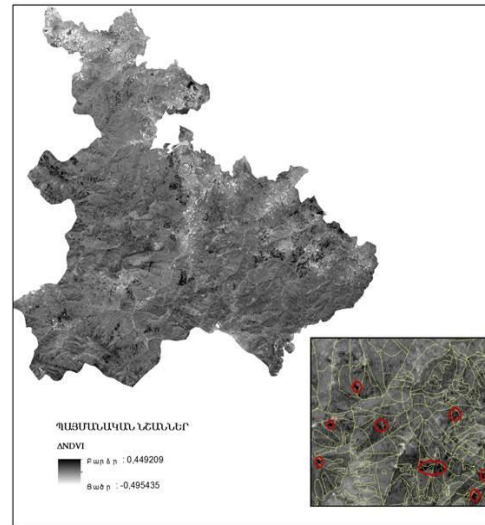
2007թ. Digital Globe արբանյակային պատկեր

2018թ. Sentinel 2 արբանյակային պատկեր

2007-2018թթ. արբանյակային պատկերների տարբերությունը

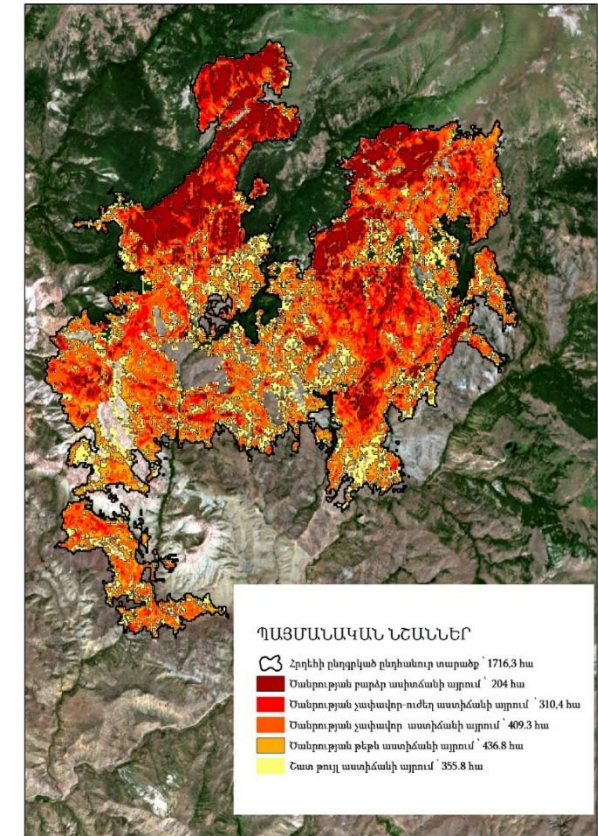


Monitoring of negative human impacts on forests



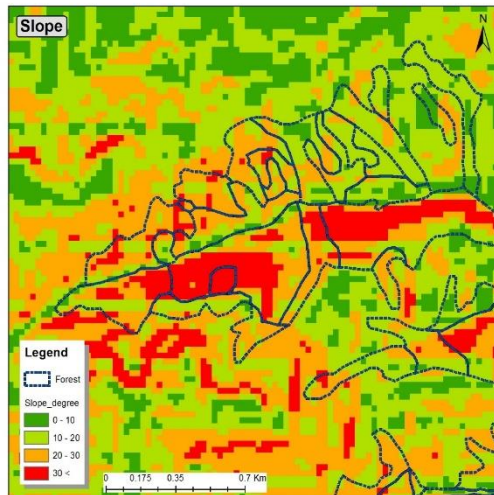
Detection of illegal loggings

Հրդեհված տարածքների պատկերը ըստ այրման ծանրության աստիճանի



Detection of forest fires, classification by severity of burn

Windthrow mapping





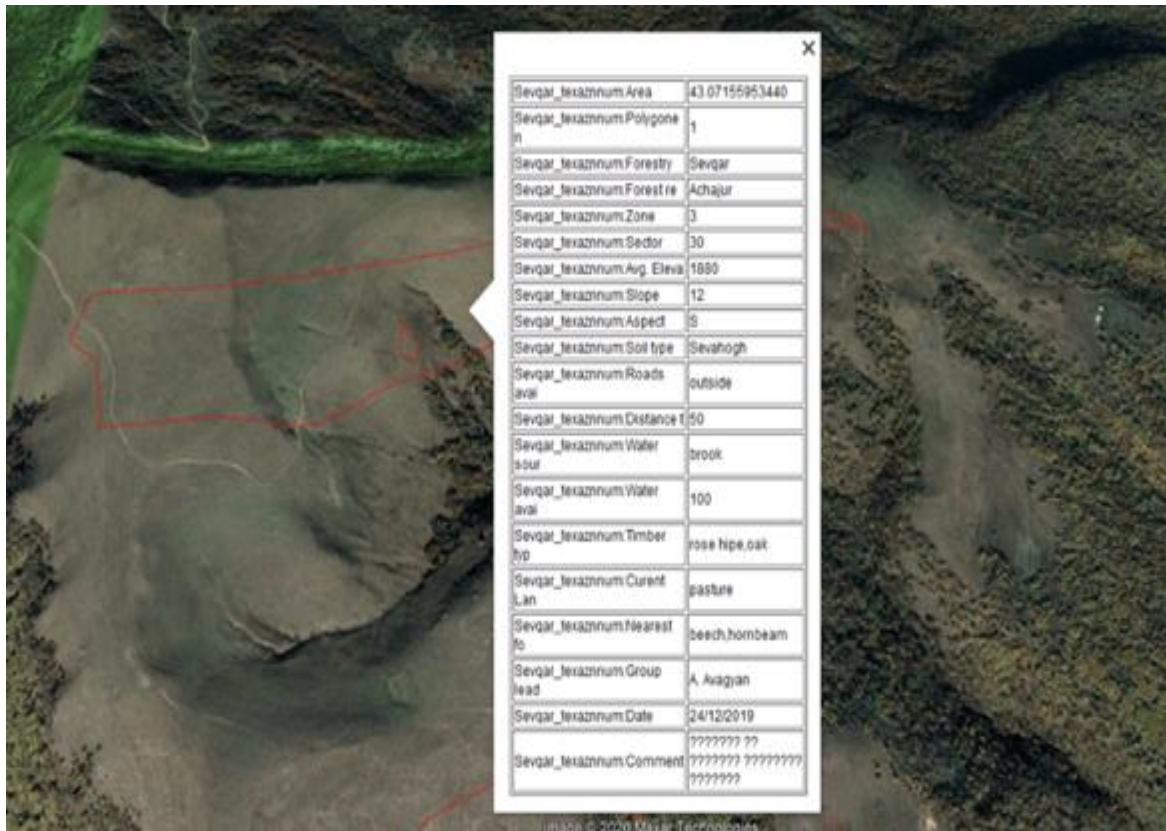
# GIS and RS based activities

## Forest Monitoring Service



FORESTS

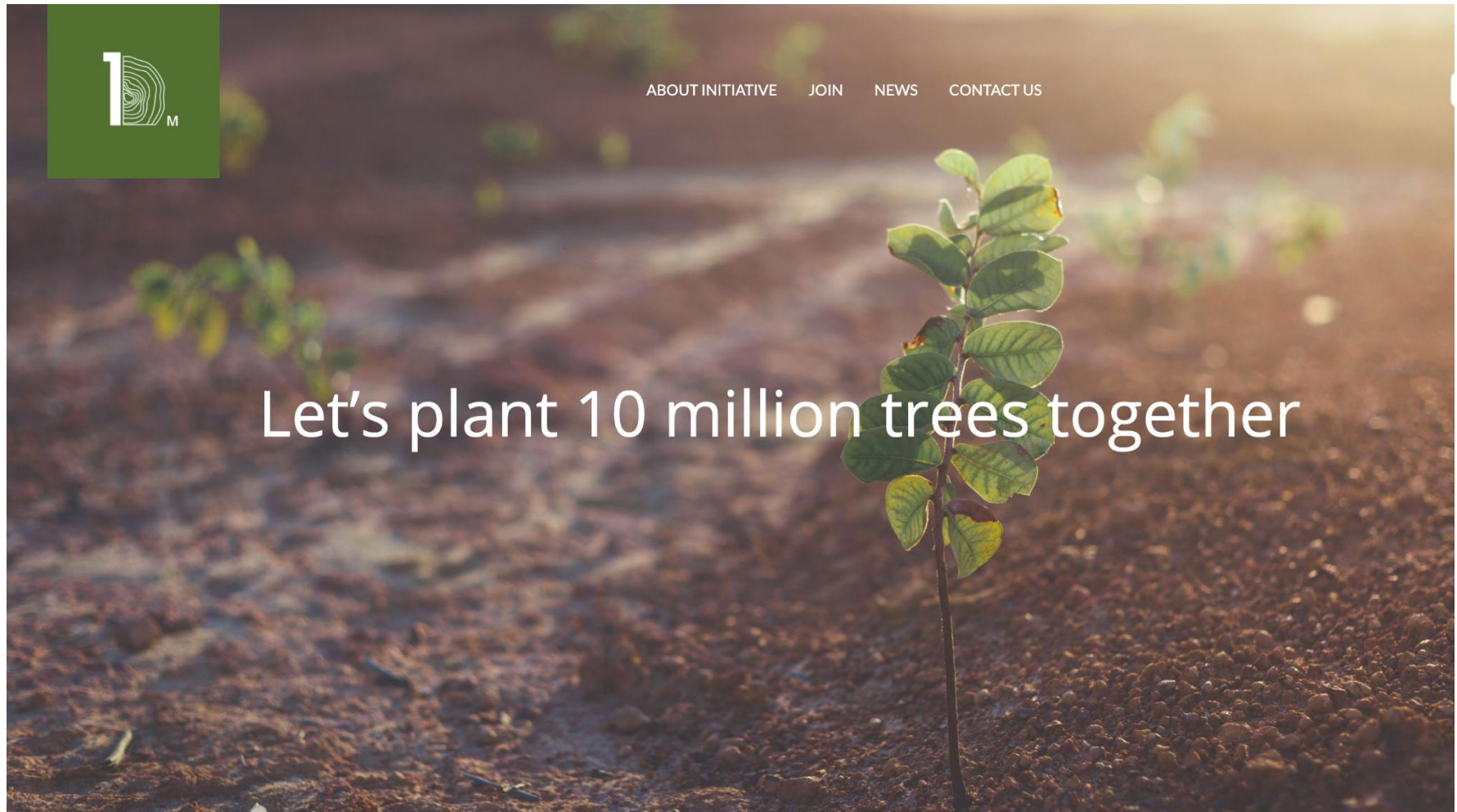
### “10m” Initiative



# 10m Initiative

Ministry of Environment of Armenia

FORESTS



### FORESTS



## *Final national Criteria and Indicator set for Sustainable Forest Management*

### **7 Criteria and 43 Indicators**

***Criterion 1: Maintenance and enhancement of the forest area in Armenia ( 11 indicators)***

***Criterion 2: Maintenance of the biodiversity in Armenia's forests ( 6 indicators)***

***Criterion 3: Maintenance of health and vitality in Armenia's forests ( 2 indicators)***

***Criterion 4: Maintenance of the productive functions of Armenia's forest resources ( 4 indicators)***

***Criterion 5: Maintenance of the protective functions of Armenia's forests ( 1 indicator)***

***Criterion 6: Maintenance of the socio-economic functions of Armenia's forest resources ( 8 indicators)***

***Criterion 7: Legal, policy and institutional framework for a sustainable management of Armenia's forests ( 11 indicators)***

### FORESTS



## Institutionalization of the C&I set

Amendments and additions to the Forest Code of RA

## Measures aimed at gathering information

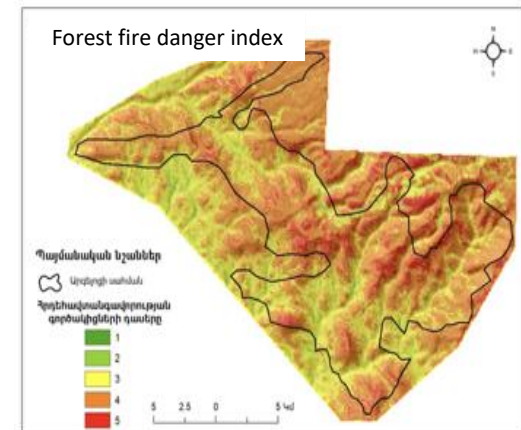
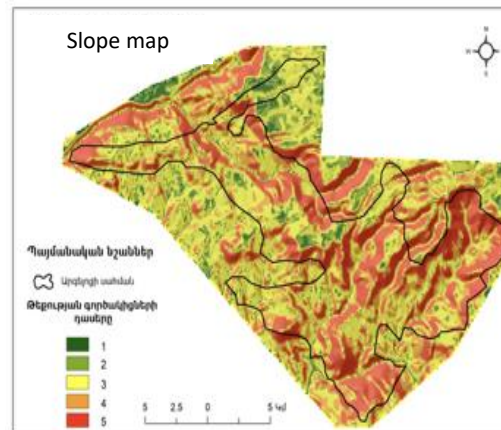
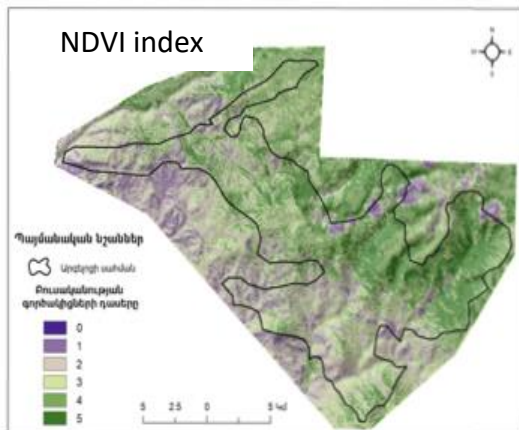
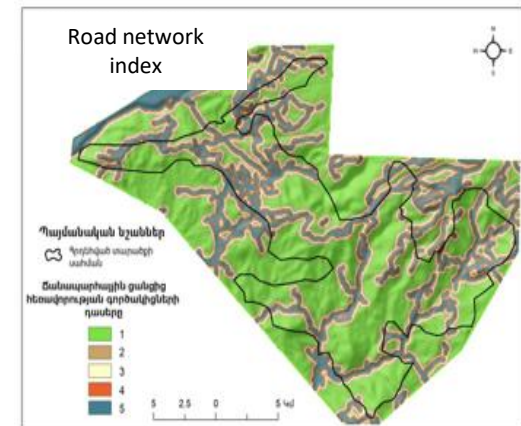
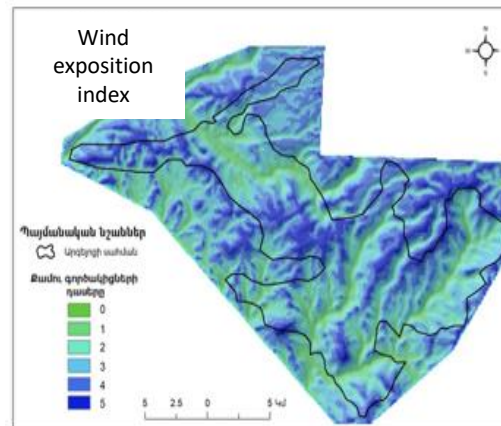
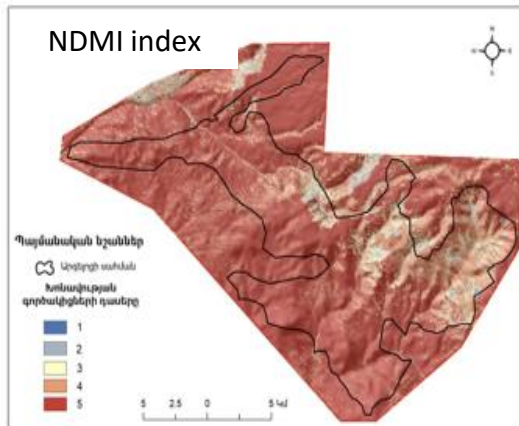
to increase the feasibility of key indicators that are of primary importance

# Plans for strengthening national forest monitoring system

FORESTS



## Forest fire risk assessment and mapping



# Plans for strengthening national forest monitoring system

## FORESTS



### Forest carbon accounting and monitoring



### Dendroclimatology





Food and Agriculture Organization  
of the United Nations

# Thank you for your attention!



FORESTS



Yeva Danielyan

Chief Specialist

**“Hydrometeorology and monitoring center” SNCO, Forest monitoring service** 09.12.2020, Yerevan, Armenia