

# AGRI-WEATHER APPS:

## KEY GUIDE FOR AGROMET-ADVISORY SERVICES

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### MEGHDOOT APP

Vernacular Agro-advisory mobile app that provide location, crop and livestock specific weather based advisories to farmers in their local language.

#### STEPS INVOLVED

- \*Go to play store app of your mobile phone.
- \*Write Meghdoot app in the search box. Install the App in your Mobile Phone.
- \*After installing, click open. Register by giving your location indicating State and district.
- \*Click open icon, the app will display information like temperature, precipitation etc. for your location.
- \*The App will also give information for major crops viz., cereals, vegetables fruit crops and livestock grown in a particular location.

- \*Ministry of Earth Sciences launched a mobile App; Meghdoot
- \*Launched in August 2019 and covered 68 districts.
- \*Developed by IMD, IITM and ICAR and aptly named as Meghdoot or Cloud messenger
- \*Provide location based weather agro advisories to farmers.
- \*Also provide Crop and livestock advisories for specific locations on every Tuesday and Friday
- \*Simple to use by signing with Name, Mobile No., State and District.
- \*Apps; advisories come in 10 languages including Hindi also.
- \*Also bears features; 'Past weather-track' weather pattern in the selected region for the past seven days.

### DAMINI: LIGHTENING ALERT APP

Vernacular Agro-advisory mobile app that provide warning to the user about the lightning on the basis of user location. Lightning is shown in the map on the basis of 5 min lightning, 10 min lightning and 15 min lightning.

#### STEPS INVOLVED

- \*Go to play store app of your mobile phone.
- \*Write Damini App in the search box .Install the App in your Mobile Phone
- \*After installing, click open. Register by giving your location indicating State and District.
- \*The App also gives information and instructions on lightening
- \*According to the weather forecast, the App also provides advisories in advance for managing the risks.

- \*The IITM, Pune under the Ministry of Earth Science has established a lighting location network with installation of around 48 sensors in different parts of the country.
- \*Lightening is a phenomenon that has not only fascinated but also scared mankind. Each second about 50-100 lightening strikes occur over the earth.
- \*Recent data suggests lightening alone account for about 2000-2500 deaths every year in India.
- \*This app gives exact location of current lightening strikes, probable locations of impending lightening around area of 40 sq km and movement of direction of thunderstorm.
- \*Help in getting advance information about impending lightening activity.

### MAUSAM APP

Vernacular Agro-advisory mobile app that provide city-wise weather forecasts, now casts and other warnings.

\*The Ministry of Earth Sciences, India has launched a new mobile application called "Mausam" which will help users track weather updates and also bring in the enhanced forecast as well as warning services from the government.

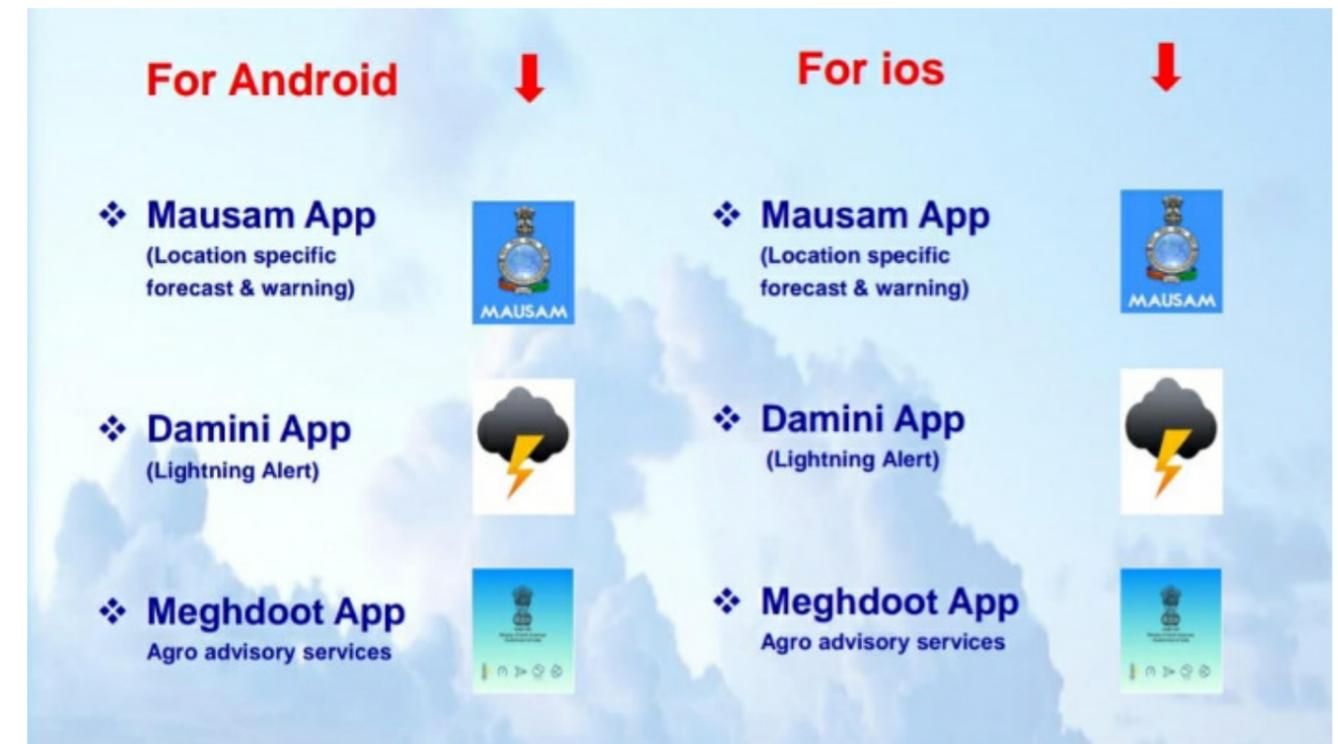
\*The app was designed and developed in a joint effort made by ICRISAT's Digital Agriculture and Youth team, Indian Institute of Tropical Meteorology (IITM) in Pune, and IMD.

\*Meghdoot was meant only for farmers. This is for everyone.

\*The now-cast feature of this app will tell you if there will be rain, thunder or any other severe weather in your area based on data from the nearest meteorological station.

#### STEPS INVOLVED

- \*Go to Google Play Store/Apple App Store.
- \*In the Search box, type Mausam app.
- \*In the list which appears, go for the app named; Mausam-Indian Weather App.
- \*You can start downloading the app and start using the app.



Meanwhile, for the farmers, it seems tough in navigating the vagaries of weather, and often, just knowing the weather forecast is not enough. There is a need of more information to better manage the farm and the crops. The initiatives of Ministries of Earth Sciences and Agriculture while launching these agri-weather apps filled this gap, through giving out

weather forecast-based agro advisories to farmers and local people in different regions in their own languages. These helped farmers to get better knowledge of weather conditions in advance to reduce their crop losses and enhance income/profits through adoption of Climate Smart Agriculture based technologies.