Product: Identification of alerted areas by M8S algorithm

Detailed information about the method and its application to the Italian territory is available in the following paper:
Peresan A., V. Kossobokov, L. Romashkova, G.F. Panza (2005) - “Intermediate-term middle-range earthquake predictions in Italy: a review”. Earth Science Reviews, 69 (1-2), 97-132.
as well as via the following website:
http://www.geoscienze.units.it/esperimento-di-previsione-dei-terremoti-mt.html

M8S real-time predictions are regularly updated every six months (beginning of January and July) since January 2002.
A complete archive of predictions is accessible via the following web page:
http://www.ictp.trieste.it/www_users/sand/prediction/prediction.htm

M8S current predictions for Italy are protected by password.
In fact, although M8S predictions are intermediate-term and by no means imply a "red alert", there is a legitimate concern about maintaining necessary confidentiality.
Password can be requested by mail to: aperesan@units.it
We assume that requesting the credentials to access current predictions, implies accepting to take the necessary precaution against premature release of predictions.

Information and files description:

M8S analyzes seismicity within a large set of circles covering the monitored territory, and eventually determines circles that are in state of alarm (i.e. a TIP).
TIP: Time of Increased Probability, with respect to normal conditions, for the occurrence of a target event within the monitored region.

M8S application to the Italian territory is performed for three magnitude ranges of target events, namely:
M5.5+ that is 5.5=<M<6.0
M6.0+ that is 6.0=<M<6.5
M6.5+ that is 6.5=<M<7.0

The provided archive of M8S results includes:
REAL TIME PREDICTIONS: January 2002 – January 2016
RETROSPECTIVE IDENTIFICATION OF TIPS: January 1972 – December 2001

Note that parameters for the target events (e.g. magnitude estimates) are those reported in the input earthquake catalog (namely UCI+ISC) as on the time of the first prediction updating, which follows the occurrence of the target event.
(example: for an earthquake occurred on June 10, parameters are those reported in the updated catalog as on July 1 updating of predictions)

FOLDERS:
\M5.5_PREDICTIONS
Contains the files (one for each updating time) with the coordinates of circles monitored and eventually alerted for an earthquake with magnitude in the range 5.5=<M<6.0
The radius of monitored/alerted circles is R=106 km

The FILES names are as follows:

FCNXXY55.RES where XX=year Z=month code (0=January 5=july)
(Example: FCN11055.RES File with predictions for M5.5+ as on January 2011)
Each file includes the following information: (Lat, Lon, Code)

- coordinates of monitored circles (Lat, Lon)
- Code: 1=TIP 0=no TIP

\M6.0_PREDICTIONS

Contains the files (one for each updating time) with the coordinates of circles monitored and eventually alerted for an earthquake with magnitude in the range 6.0=<M<6.5
The radius of monitored/alerted circles is R=138 km

The FILES names are as follows:
FCNXXY60.RES where XX=year Z=month code (0=January 5=july)
Each file includes the following information: (Lat, Lon, Code)

- coordinates of monitored circles (Lat, Lon)
- Code: 1=TIP 0=no TIP

\M6.5_PREDICTIONS

Contains the files (one for each updating time) with the coordinates of circles monitored and eventually alerted for an earthquake with magnitude in the range 6.5=<M<7.0
The radius of monitored/alerted circles is R=192 km

The FILES names are as follows:
FCNXXY65.RES where XX=year Z=month code (0=January 5=july)
Each file includes the following information: (Lat, Lon, Code)

- coordinates of monitored circles (Lat, Lon)
- Code: 1=TIP 0=no TIP