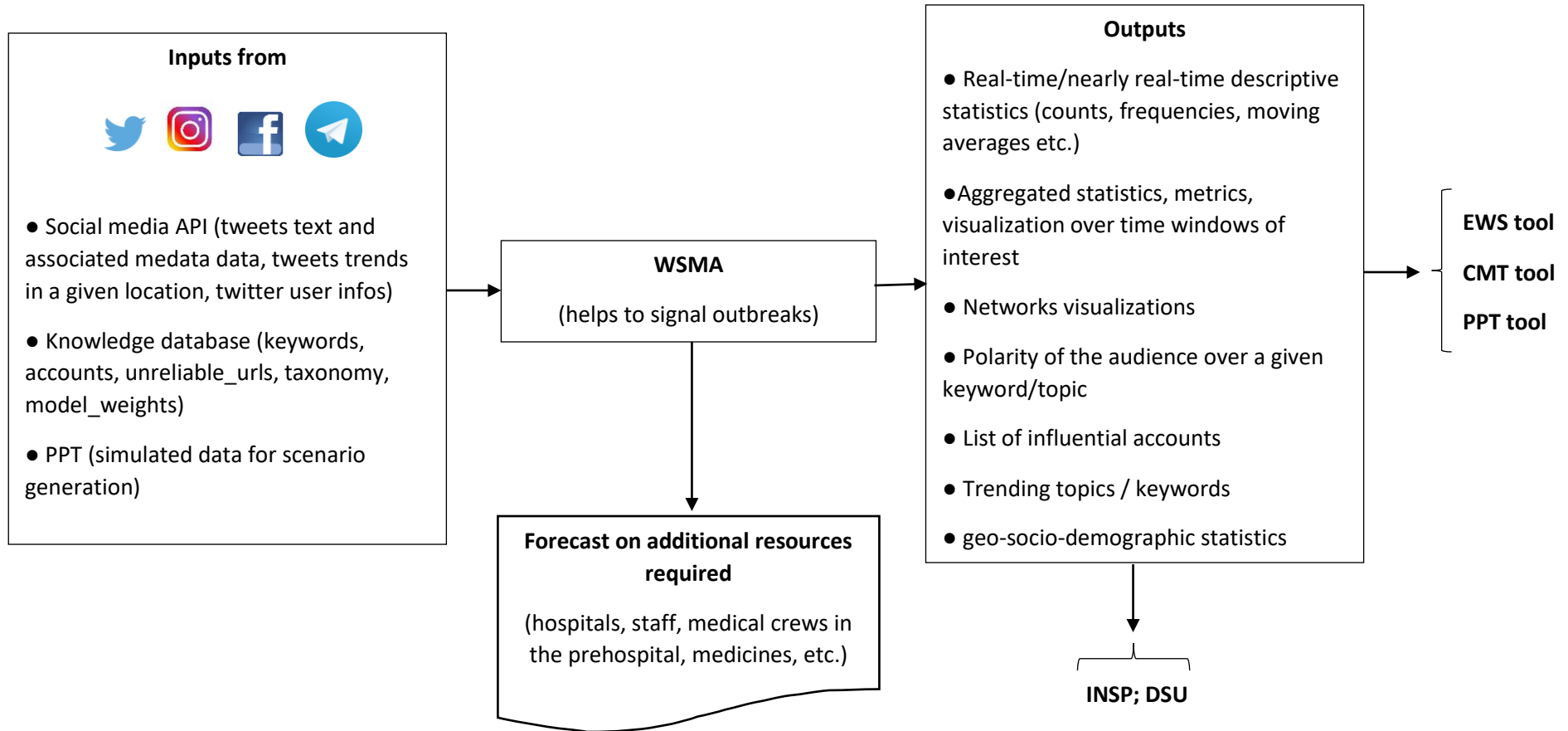


Schema WSMA – Trial-Ro



Question: Does the forecast overlap with what the EWS tool should do?

Legend: **INSP** = National Institute for Public Health; **DSU**=Department for Emergency Situations in Calarasi County

Explanatory text for inputs (*file WP5 tools_old version.xlsx*):

There are two main initial input sources:

1. data from social media API crawling
2. knowledge database (e.g., trained models, taxonomy, keywords to track)

The initial inputs/raw data will go through different level of processing and the processed data will be the inputs of other components of the tool.

NOTE: Sentiment analysis will be performed by PUBLICSENSE, a commercial solution by INNO. The STAMINA SMA will communicate to it through API calls.

Inputs from Social media API

- ***tweets text and associated metadata data*** (incomplete list)

Variable name: user_screenshot; user_id; tweet_id; created_at; text; **hashtags**; retweet_count; user_mentions (list of other twitter users mentioned in the tweet, if available); urls (list of urls included in the tweet, if available); media_url (url to the media content included in the tweet, if available); media_type (type of media (photo or video or gif)); retweeted_status (if present, object containing several fields of the retweeted status); in_reply_to_user_id (if the tweet is a reply to another post, the user of the original post is present)

- ***tweet trends in a given location***

Variable name: trend; word or group of words highly shared (can be name and surname of a person, hashtags, cities, etc.); as_of (date and time of when the trend list was created); location (location the trend refers to (a limited set of countries, cities, regions is available for trend searching)

- ***twitter user infos***

Variable name: id_str (id of the user id); screen_name (user nickname); name (user name (self-assigned)); description (text with which users can say something about themselves); location (location as defined by the user (can be any text)); followers_count; friends_count; verified (is the user a verified user?); geo_enabled (does the user allow geolocation?); timezone (timezone, if provided); statuses_count (number of posts created by the user); created_at (date of user account creation)

Inputs from knowledge db (uncomprehensive list)

Variable name: keywords (list of keywords to track on social media); accounts (list of account names to monitor); unreliable_urls (list of domains sharing unreliable news); taxonomy (ontology for sentiment classification); model_weights (trained model for prediction)

Explanatory text for Outputs (*file WP5 tools_old version.xlsx*)

The outputs of the tool will be visualized on a dedicated dashboard and/or included in the D5.2 report.

Some outputs can be provided in almost-real-time, other will be aggregated over larger time windows