CLAFIS

COOPERATION

FP7 - CLAFIS

Grant Agreement No.: 604659

Title:	**Disease Pressure Model Android App**
Date:	**30th September 2016**
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DTU Danmarks Tekniske Universitet

Luke NATURAL RESOURCES INSTITUTE FINLAND

Innovative NeTwORK solutions NOVITEK

Aalto University

Maxsoft

CNet SVENSKA AB

JKU JOHANNES KEPLER UNIVERSITÄT LINZ

FAW

KAUNAS UNIVERSITY OF TECHNOLOGY

Jetter surprisingly simple...

Junkkari

Wapice

UNIVERSITY OF BATH

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1 Introduction

As an additional showcase for the Disease Pressure Model, we present a mobile prototype implementation based on Android that will serve as an additional presentation layer for the service.

2 App Description

It presents two main options it the menu:

- **Pressure:** This is option will display a plot for the disease model given the configured settings
- **Map:** This option will display in a Map the user's location.

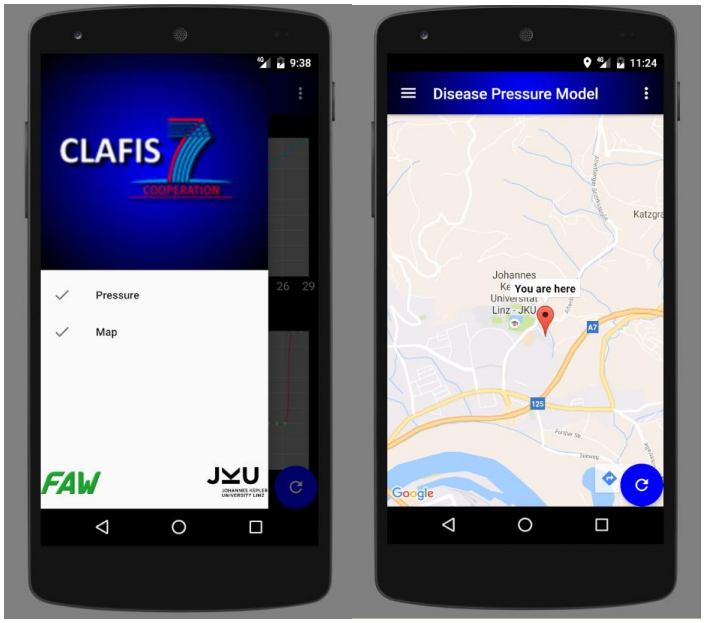

FIGURE 1 MENU SCREEN

When we click in the upper-right button we can access to the settings menu with a variety of options to configure:

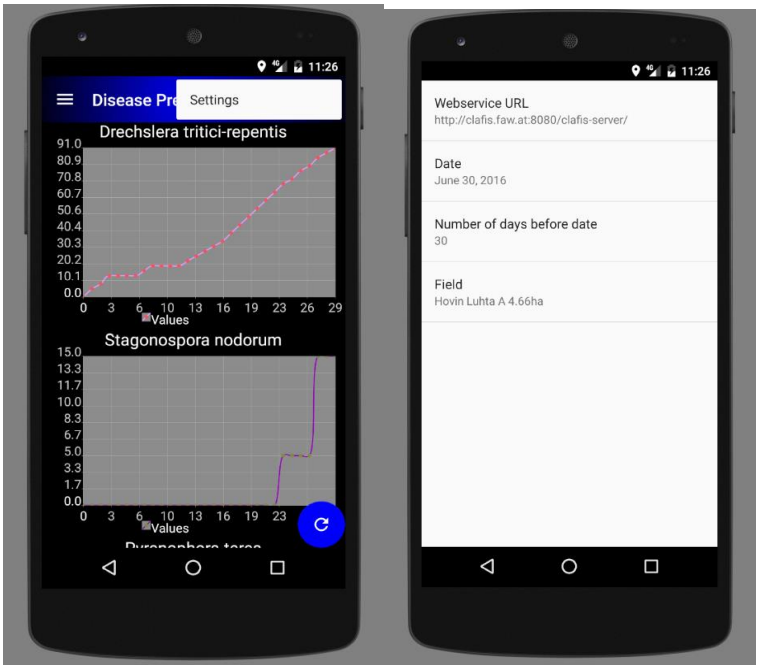

FIGURE 2 SETTINGS SCREEN

The first option allows configuring the URL where the DPM Service is hosted. This makes the app ready for a dynamic world.

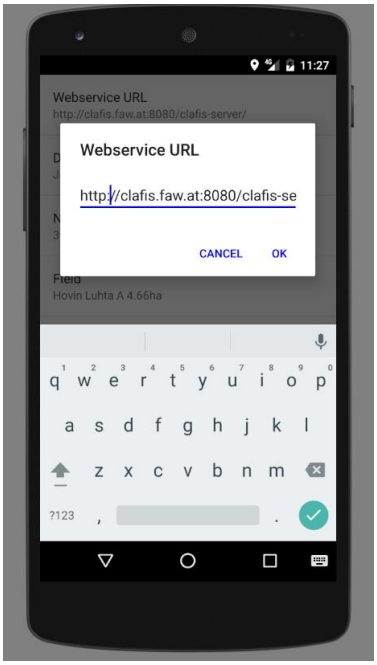

FIGURE 3 SETTINGS: WEBSERVICE URL

The next two options allow us to configure the date range to retrieve the data we aim to plot. We give the possibility to the user to select a certain date and an arbitrary number of days before. For instance, by selecting the 30th of June and 30 days before we will plot the entire month of June.

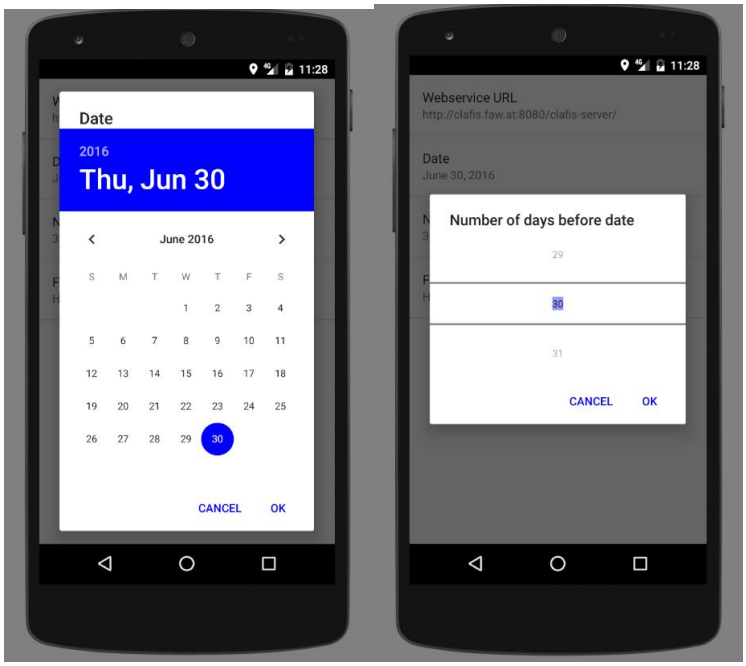

FIGURE 4 SETTINGS: DATE RANGE

The last option, allows selecting the field from which we want to plot its data. At this point, the fields are static. In the future, there should be a backend service provided from one of our partners that should provide the available fields given a certain location.

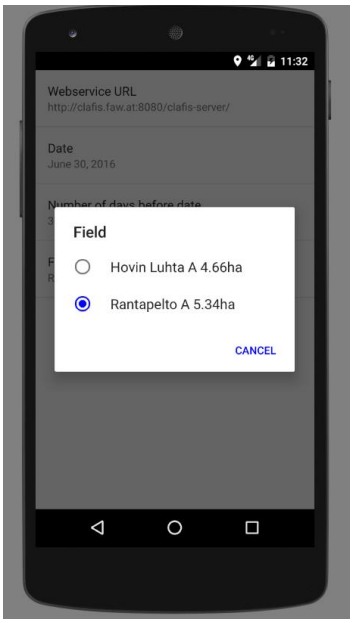

FIGURE 5 SETTINGS: FIELD SELECTION

Last but not least in order to display the plot with the configured settings, we must press the refresh button:

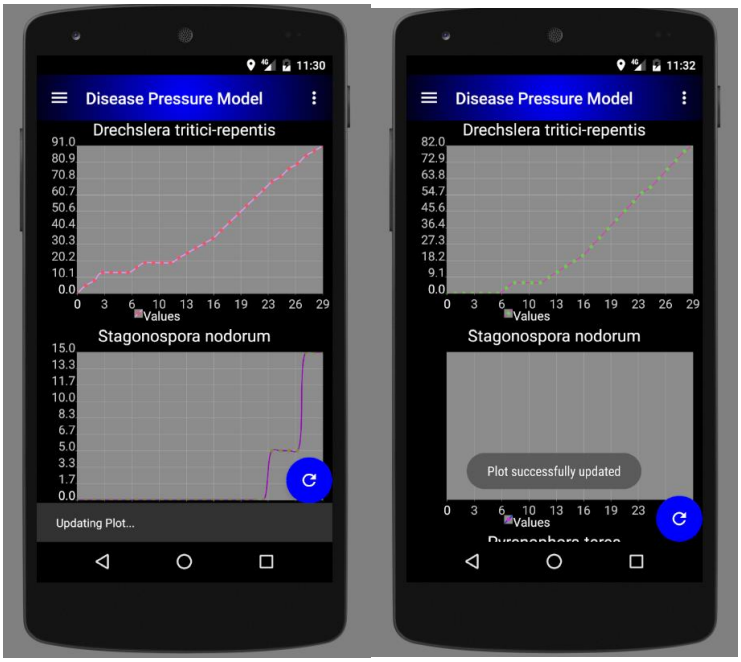

FIGURE 6 PLOT UPDATE