BLIH

- #Earth
- Crop Alert – Learning From the Growers

BLIH

- BLIH (Bigdata Localized Info Harvester)
- BLIH is aimed to data collecting
- From you: you all...
- Have you information regarding meteo?
- Have you information on new insects presence in your area ?
- These info can be valuable for someone.

So:

- Use BLIH clients (full or lite) to send these information

- No problem on personal data. BLIH doesn't collect these things.

- Your mobile phone or pc is an old model...

- BLIH client is a web page with a javascript part.

- YOU CAN READ AND VERIFY IT

Client platforms

- BLIH source code is on github

- https://github.com/gvieri/BLIH

- It is a script (javascript) that needs only a browser

- It can store the data in localstorage until you do not return in "connected" areas.

- So: no needs for a new mobile phone and, no excuse for not using bliss on some mountain's top.

Client lite

- It is a simple html form

- With javascript.

- You can write your message/annotations/comments

- The script will try to know your position... So please enabile your gps...

- If you have no mobile connection... just wait to return in a more connected area.

Client full

- It is a web page with a map based on leaflet
- You put marker just clicking and the page will ask for your comments/message/annotation.
- The comments will be stored in way that relates comments with the chosen position.
- YOU have to press/click the SA button (to save all the work)

administration

- BLIH is a data harvester/collector
- It does not need a dedicated administration interface
- You can use the administration tool of mysql
- But we provides a global map web-page.

To do list

- Some security has to be added to storage part

- We have to choose a better tile provider

- We have to modify the database tables to accommodate more informations

Strong point

- It is simple
- It is fast
- It is based on scripted languages (php and js)
- It is based on mysql (that is sufficently documented) so that you can set up cluster or other high traffic solution.
- And you can easily transfer data from mysql to hadoop

Weak point:

- None :-)

Possible evolutions

- The collector is simple... so you can use pki to establish authentication in a possible application in "internet of things"

- It is easy to put an ajax call in every embedded app... so your drones can collect data for blih

- An api to distribute raw an elaborated data to everybody can really make the difference.

Ok and now?

- Download and install blih

- Send me feedback

- At least you use as a georeferenced notebook!