SYLVALERT

A collaborative tool to report
and
analyse forest damages

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Concept

- Objective :
  - Participatory approach to report damages in forest
  - Involvement of local authorities
  - Valuable approach for scientists

- Target audience
  - Beta version : only project partners
  - Intermediate stage : forest professional and users
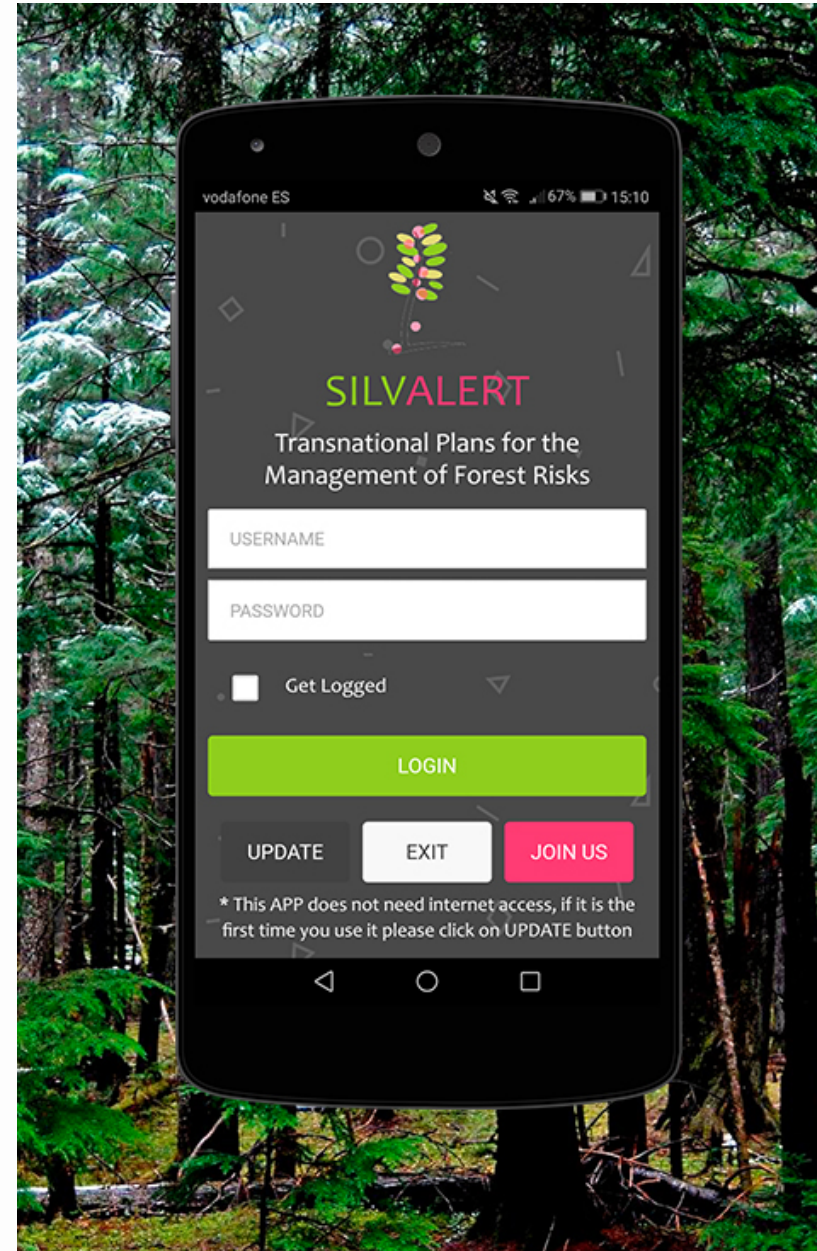 - Final stage : everybody?

The Phone app

Main steps for a new user

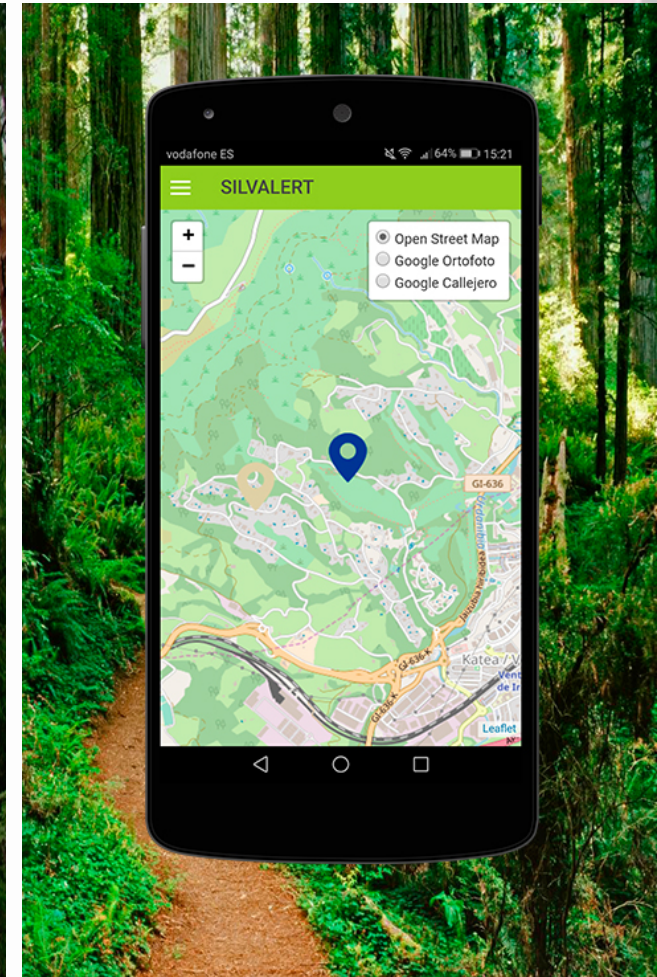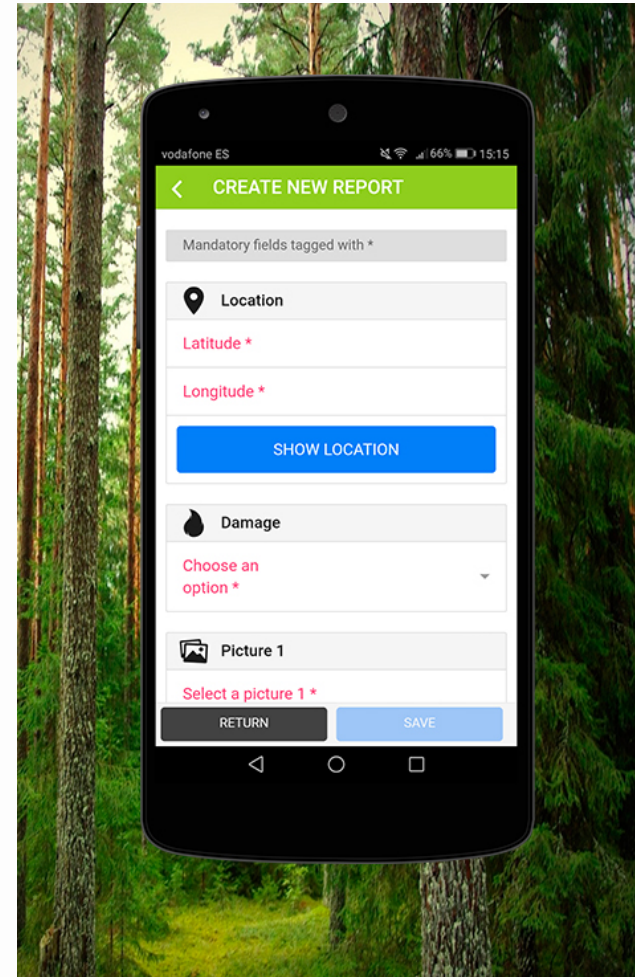# The Phone app

Main steps for a new user

1. Create an account
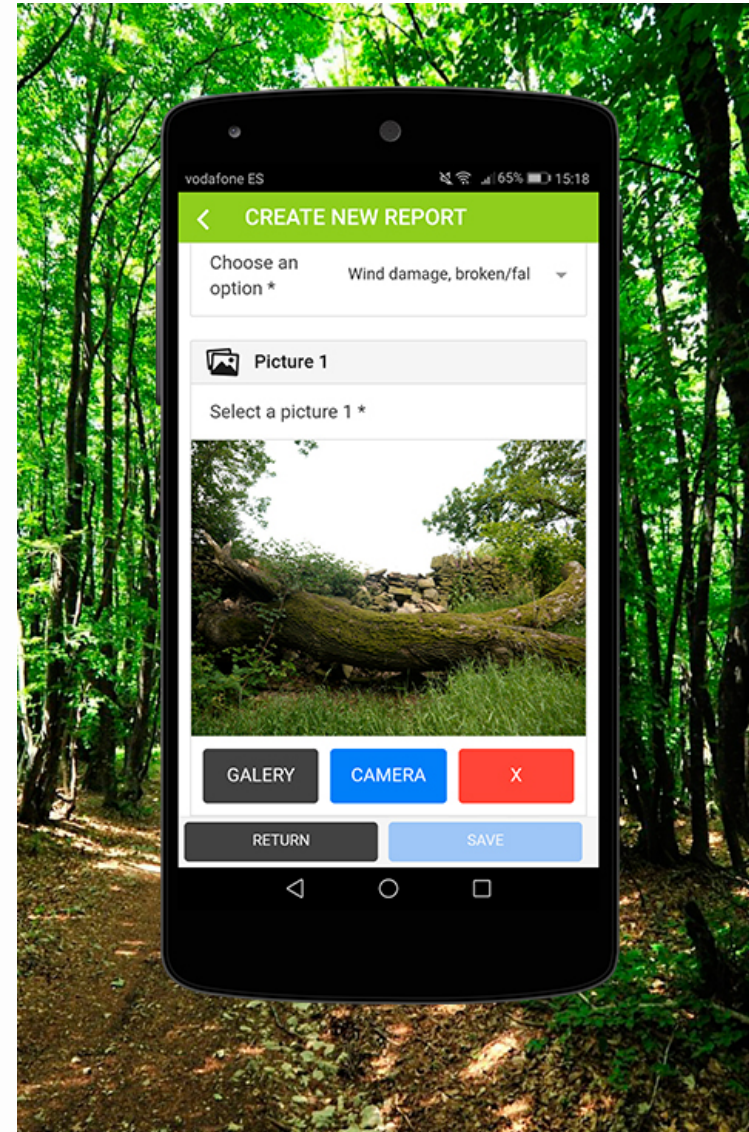
The Phone app

Main steps for a new user
1. Create an account
2. Valid GPS position (or update it)
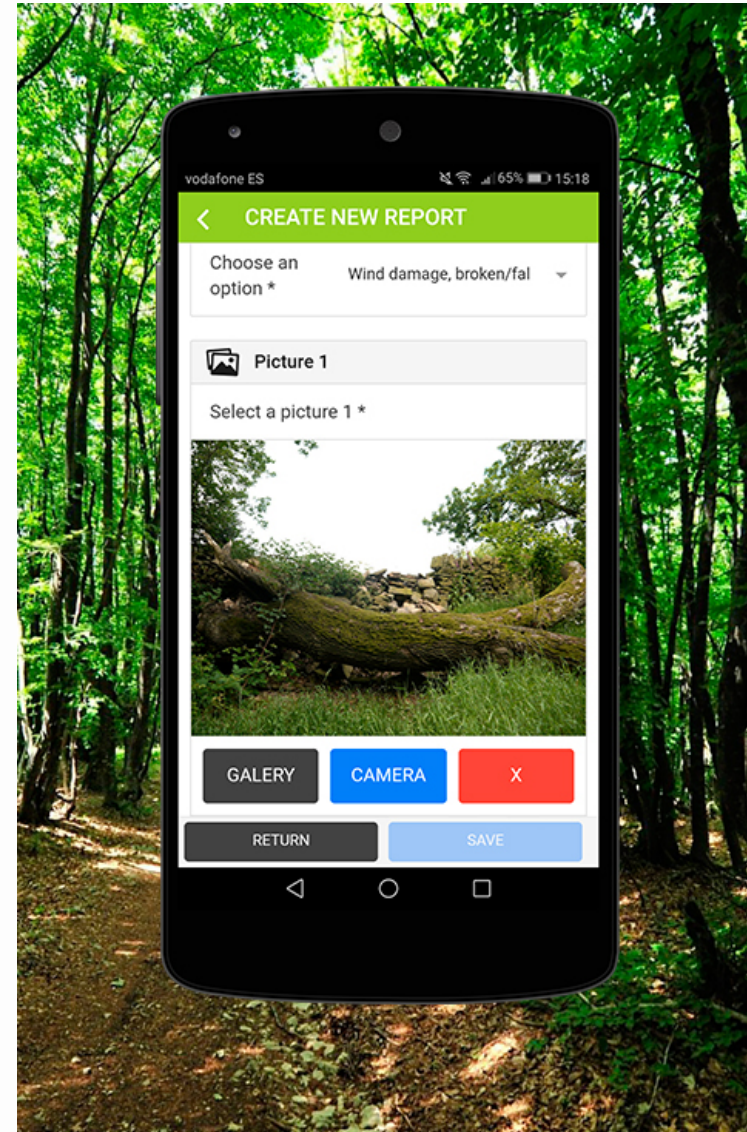
The Phone app

Main steps for a new user

1. Create an account
2. Valid GPS position (or update it)
3. Take a picture (up to 5)
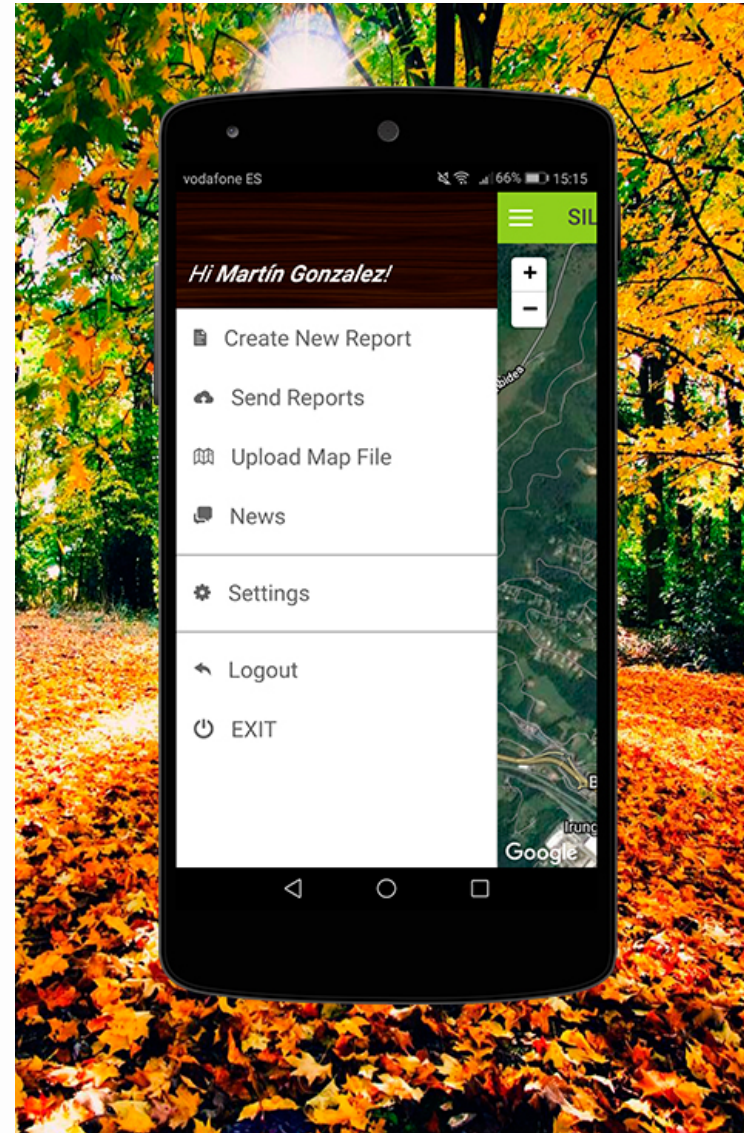
The Phone app

Main steps for a new user

1. Create an account
2. Valid GPS position (or update it)
3. Take a picture (up to 5)
4. Select the part of the tree affected
5. Save the report
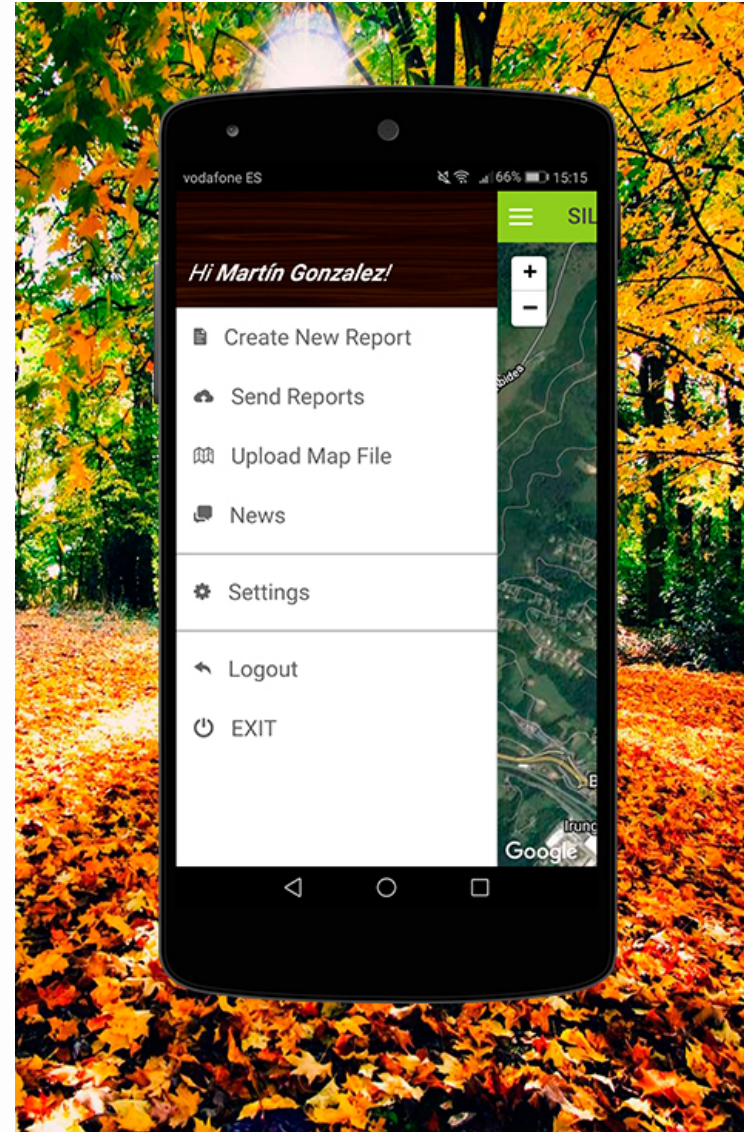
The Phone app

Main steps for a new user

1. Create an account (you need internet connection only for this step) stating your NUTS3 area
2. Valid GPS position (or update it)
3. Take a picture (up to 5)
4. Select the type of damage
5. Select the part of the tree affected
6. Save the report
7. Send all the reports stored on the phone (you need internet connection only for this step)

The Phone app

Optional features (optional)

- Add a text in the comment field
- Specify tree species
- Use already downloaded maps

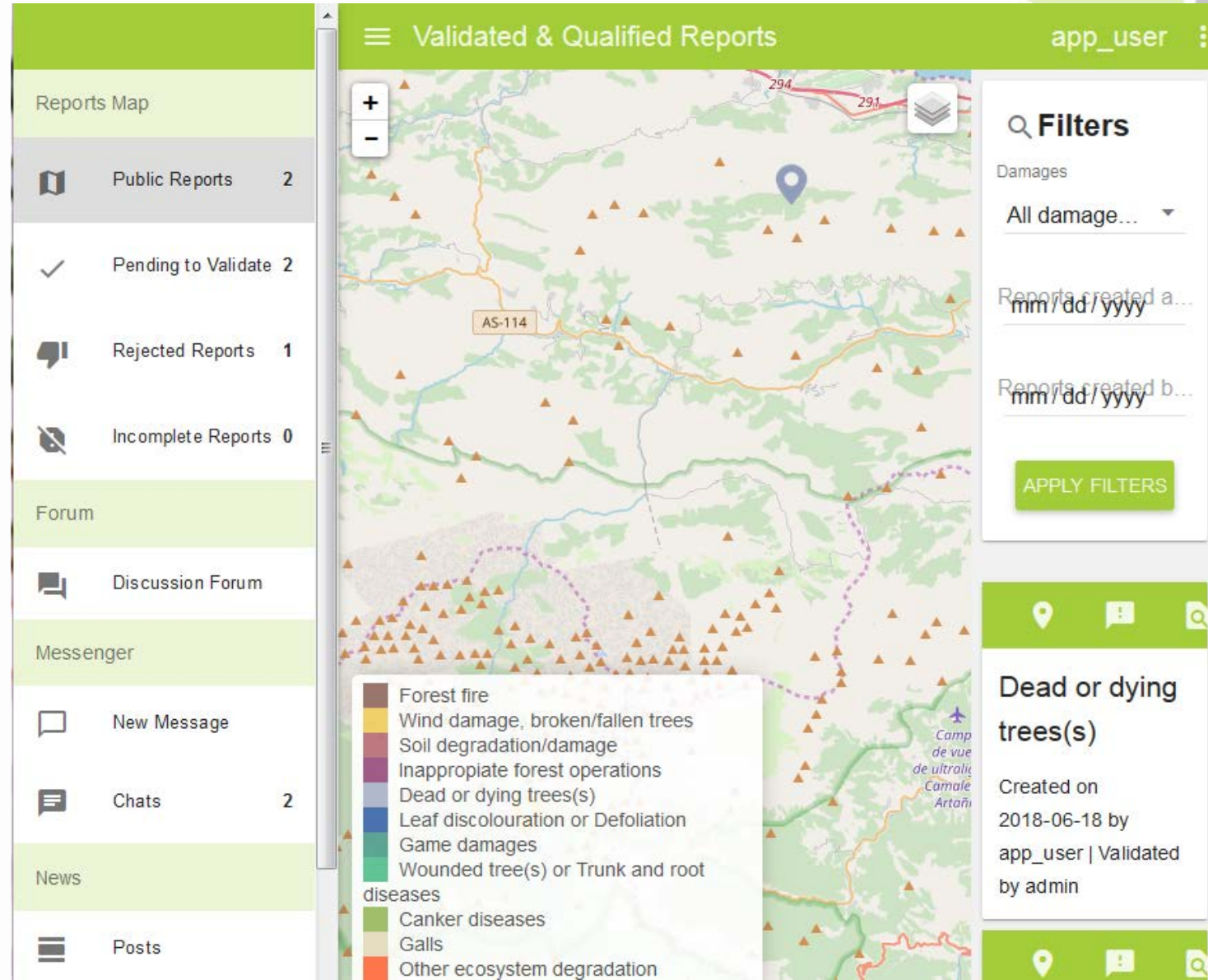27 June 2018

The website

Features for phone app user

The website

Features for phone app user

- Can see an all public reports
- Can update report before they are validated by authorities
- Cannot make any change on validated reports
- Can post messages and participate to community forum

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The website

Additional features for **authorities** managing reports

Authorities are warned on a daily or weekly basis about all new reports matching with it area and the type of risk it want to handle

- Can Validate or Reject or ask for update on a given report
- Can add additional information on a report for internal purpose
- Can push a message to all the users of a given area

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The website

Features for scientists

- Qualification : add addtitional information to report

- Download : get all the data from given areas or damages for analysis

- Contribute to forum and can question any user
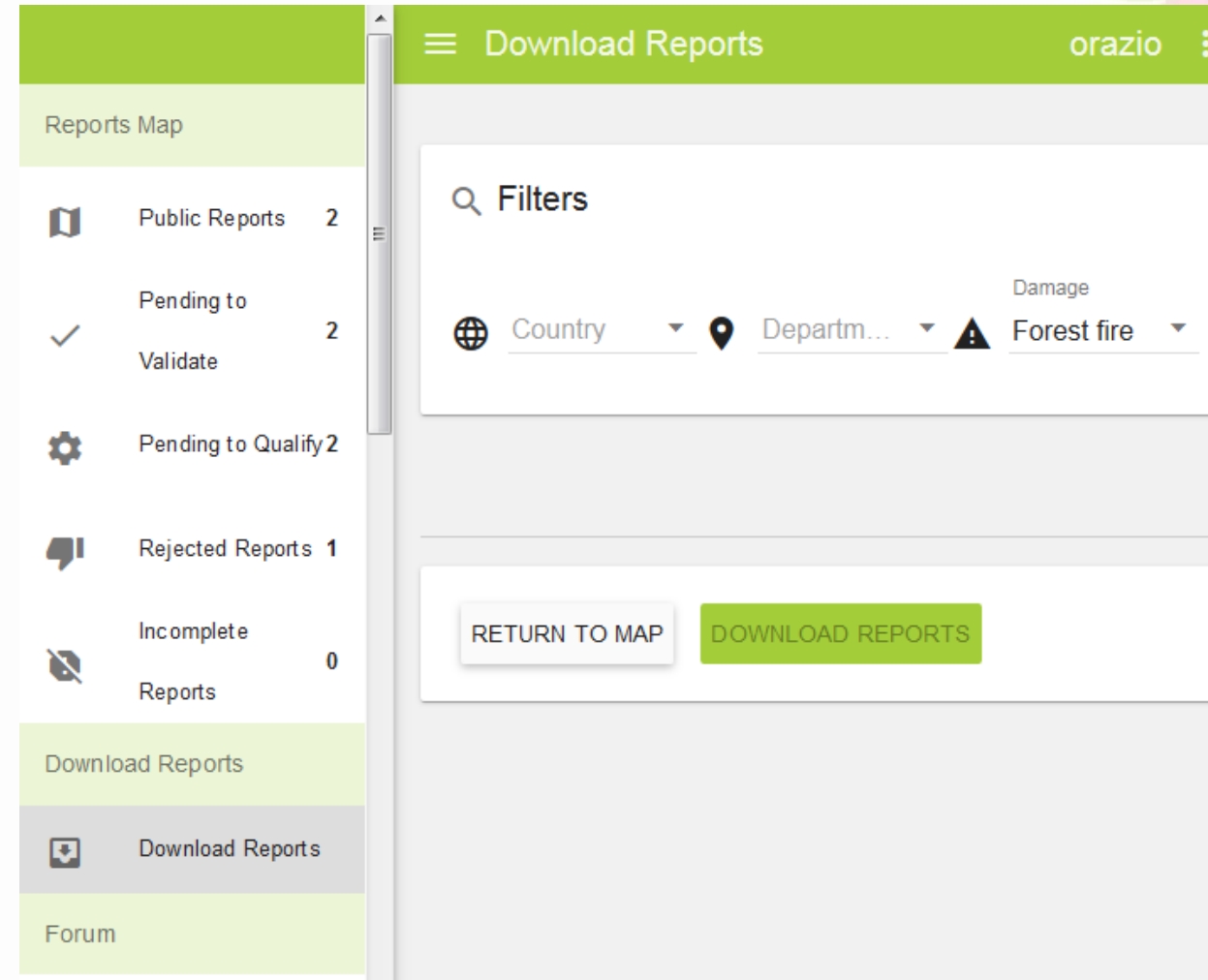
Areas and risks handled so far

	FIRE	WIND	SOIL	OPERATION	DEAD	LEAF	GAME	CANKER	GALLS	OTHER
Nouvelle-Aquitaine					✓	✓	✓	✓	✓	
Basque country	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cantabria										
Asturias										
Galicia										
Castilla y Leon										
Portugal	✓				✓	✓	✓	✓	✓	

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Conclusion and perspective

- A complete set of tools designed for Multilanguage's and international cooperation

- Providing the strength of participatory process to risk management in forest

- An opportunity to expand beyond PLURIFOR areas and in cities with HOMED project and European Risk Facility

- A future development in HOMED for images processing with artificial intelligence

- The beginning of a nice story?!

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