

In-situ data collection for agricultural monitoring- the e-shape contribution,

IIASA

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Learn more here:



















Naturalist

















































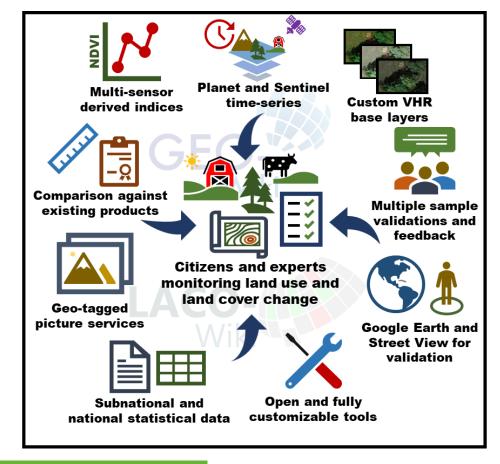








Geo-wiki toolbox

















Open tools available in the web but also as apps for mobile platforms













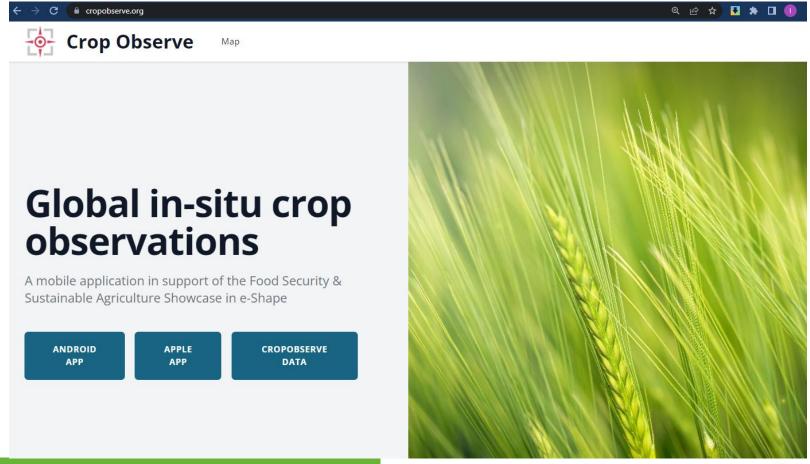








cropobserve.org



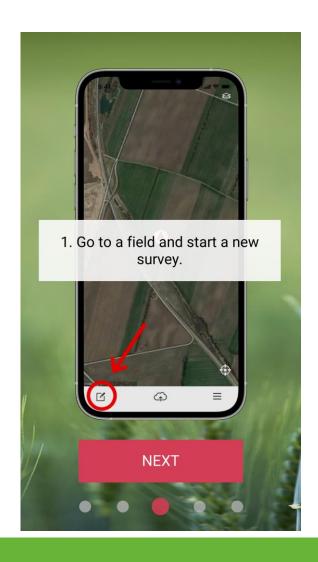


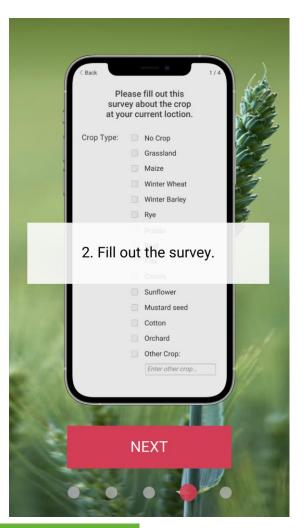












The <u>e-shape</u> **CropObserve** mobile application was developed to allow anyone to observe agricultural fields anywhere. The app is focused on collecting crop type, phenological stage, visible damage and management practices.

Data will be open AgroStac

e-shape















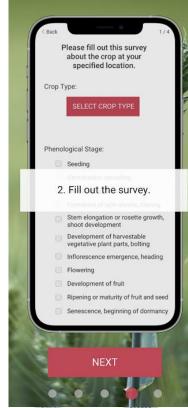
Collect In situ

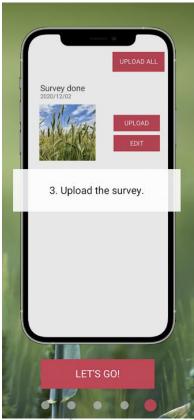
- New app: CropObserve
- Involve non-experts
 - Basic information:
 - Crop type
 - Phenological stage
 - Damage
 - Management activities
- All data is made open!
- Already > 2000 points
- Alpha release: LPS 2022

















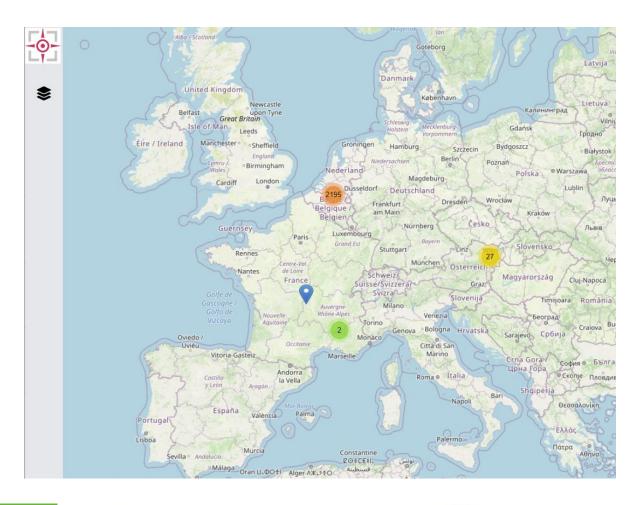






Collect In situ

- cropobserve.org
- Contains links to
 mobile application
 (cross-platform),
 map and data







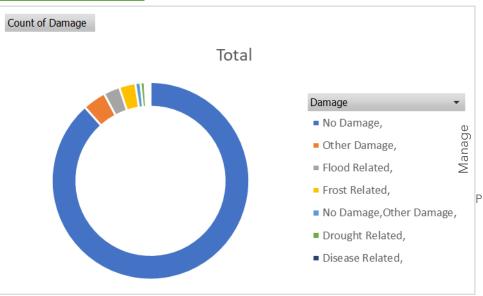








Resulting Data



'Manage': Ploughing, appears most often.



Row Labels	Count of Phenology
Germination, sprouting,	394
Leaf development,	302
Stem elongation or rosette growth, shoot development,	260
Formation of side shoots, tillering,	137
Flowering,	100

333
312
309
255
237
173
158
153
148
144
136
94
92
68
46
38
36
32
28
25
22
10









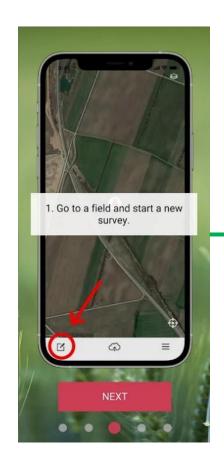
100







The integrated approach



Automatic push

Quality

control

AGROSTAC

Automatic extraction

Fit for purpose

