FotoQuest Go

A citizen science tool for in-situ land use and land cover monitoring

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Motivation

> Improving the quality of Earth Observation-based Land Use & Land Cover maps/products

> Uncovering the potential of citizen science and earth observation to improve the way we see, map and understand the world

> Lowering cost of in-situ (ground-based) data collection methods, while promoting environmental stewardship
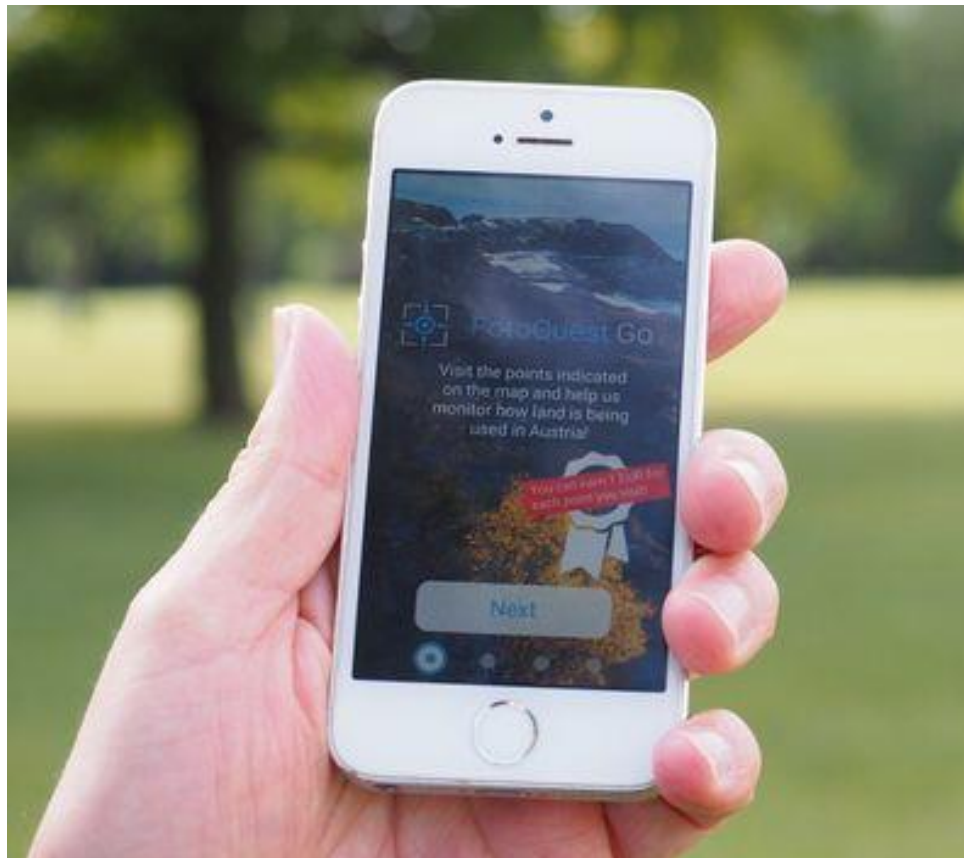
Mobile App

Mobile application for in-situ data collection to promote community-based LULC monitoring and awareness. Campaign in Austria!

http://fotoquest-go.org/

FotoQuestGo

Available on the App Store

Get it on Google play

FotoQuest Go Process

Step 1 → **Navigate to Location**

Step 2 → **Take photos**

Step 3 → **Answer questions**

Step 4 → **Submit for QA**

Step 5 → **Feedback to contributor**
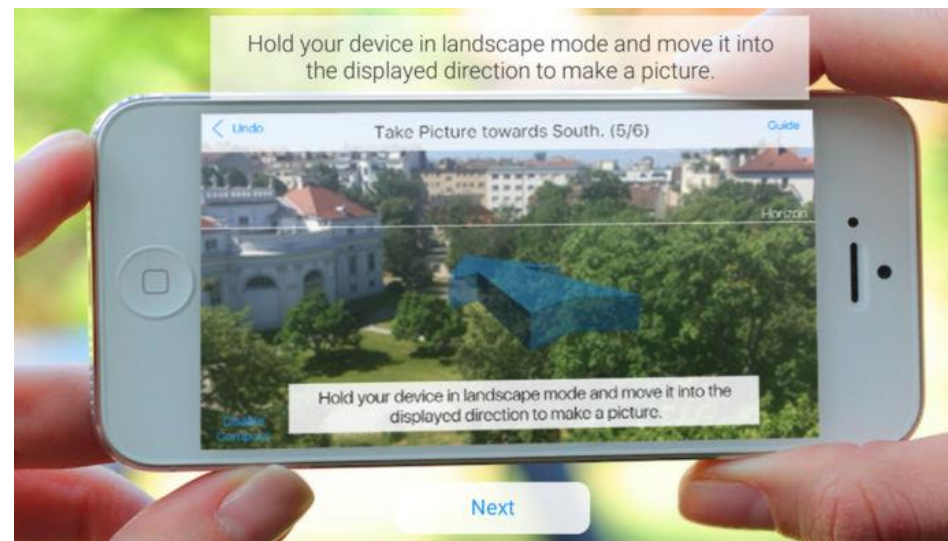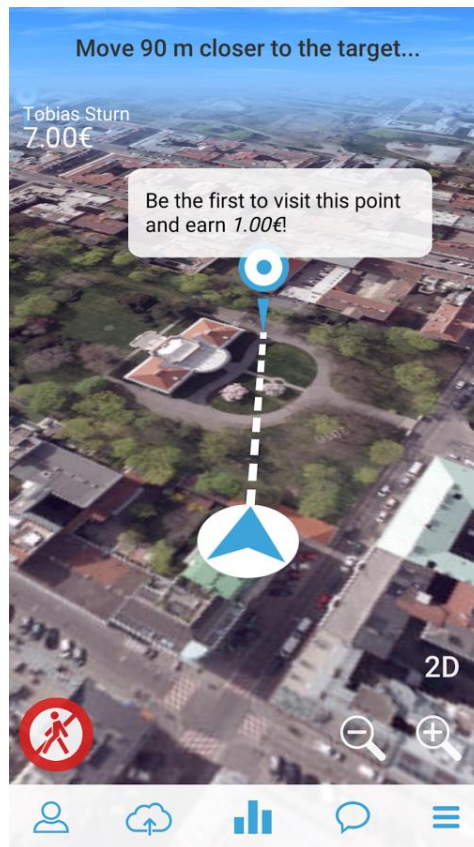
Photos in 4 cardinal directions plus target location itself

Campaign

- Quality control & assurance process

- Feedback to contributors via app & email

- Monetary incentive of 1€ per point

User Survey

Contribute to science	4.7
Strong interest in project	4.6
Enjoy being outdoors	4.5
Discover new landscapes	4.3
Enjoy using the app	4.2
User friendly app	4.1
Excited about rewards	4.1

11 weeks

100+ Contributors

912+ Quests

4560+ Photos

Results

	FotoQuest User	Surveyor
North		
East		
South		
West		

- Target
- Lucas
- FotoQuest

Results

Forest target

FotoQuest user closer to target
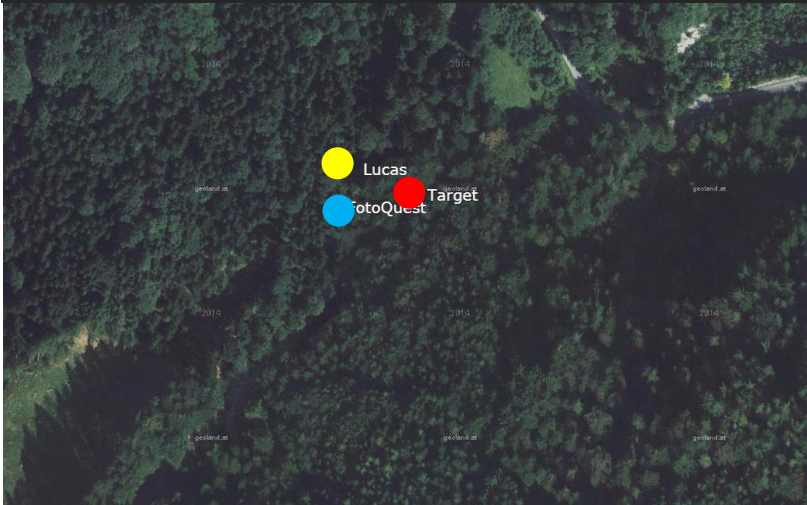
Water target

FotoQuest user closer to target

🔴 Target

🟡 Surveyor
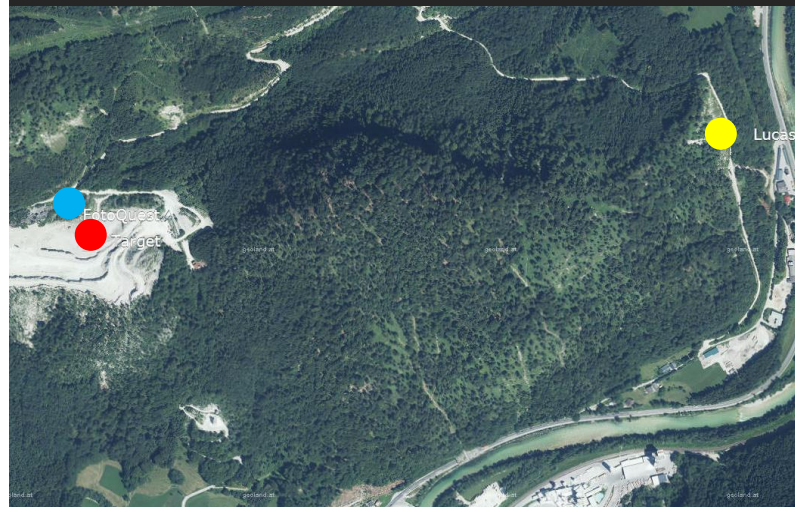
🔵 Fotoquest

Lessons

- Near-real time **quality control** improves data quality

- Near-real time **feedback** is connected to user **learning**

- Fotoquest GO can provide **complementary dataset to LUCAS** surveys

- Contributors are interested in **science** and **being outdoors**

- Ongoing efforts to **evaluate data quality**, and **comparison to LUCAS**

- Ongoing efforts to improve app **user friendliness**

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