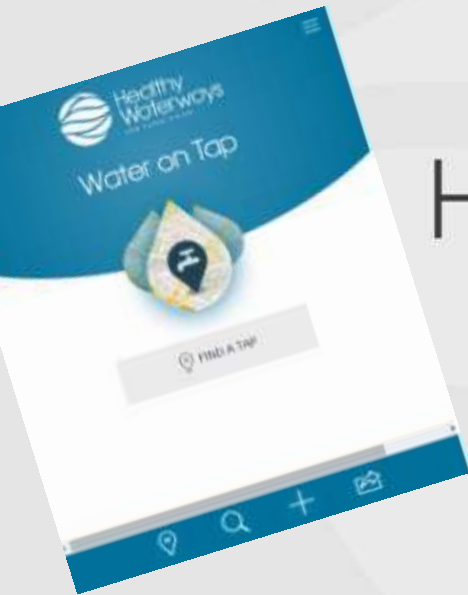




# Healthy Waterways

ONE CLEAR VISION

HEALTHY WATERWAYS FOR A HEALTHY ECONOMY



## Re-engaging Citizen Scientists through their phones

James Udy

# Why monitor waterways?

Valuable natural assets providing economic, social and environmental benefits;

- Important to business supporting livelihoods;
- Places of natural beauty used for recreation, supporting healthy lifestyles.

Monitoring and reporting supports effective management of these valuable community assets.

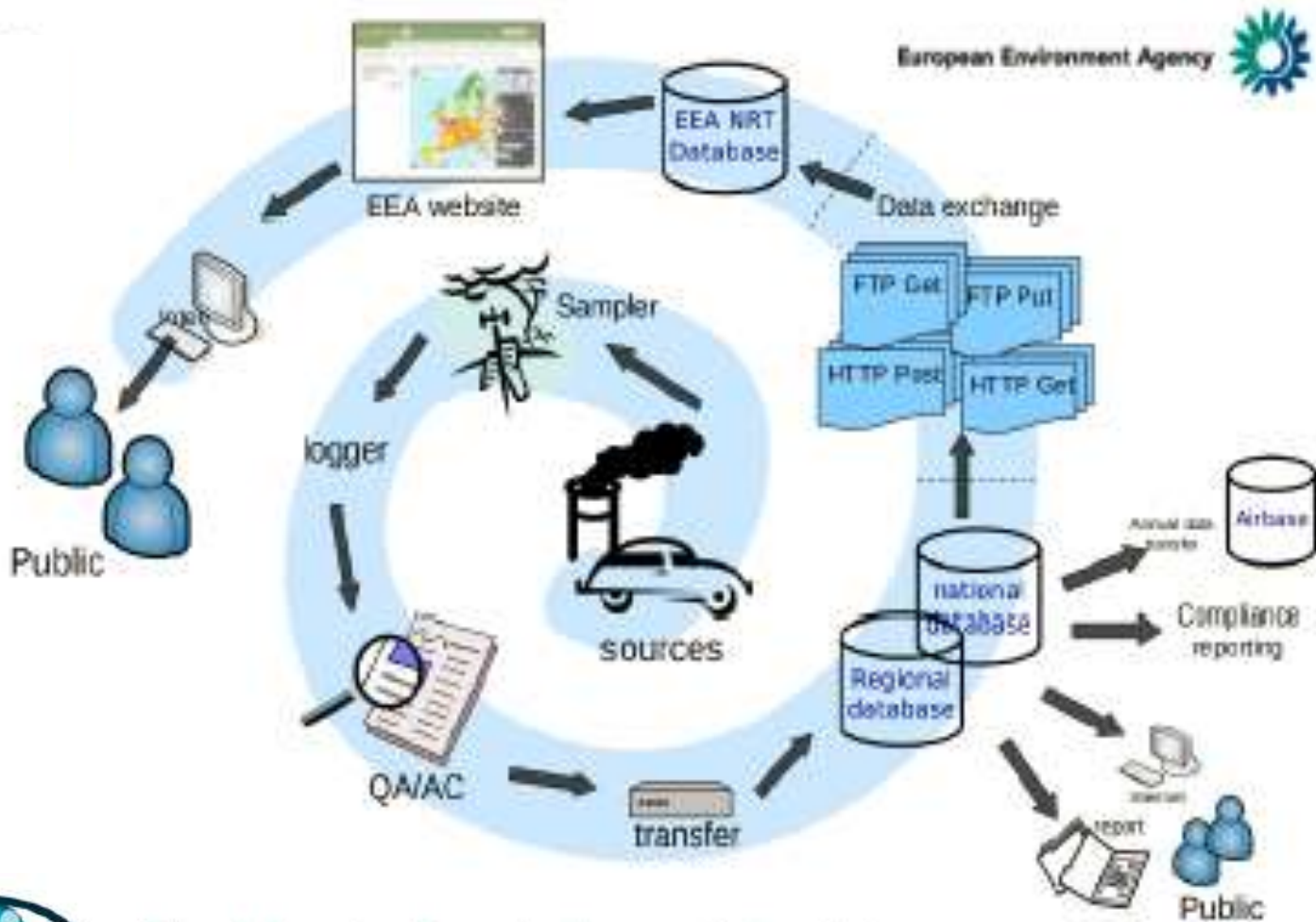
# Educate people on the value of our waterways



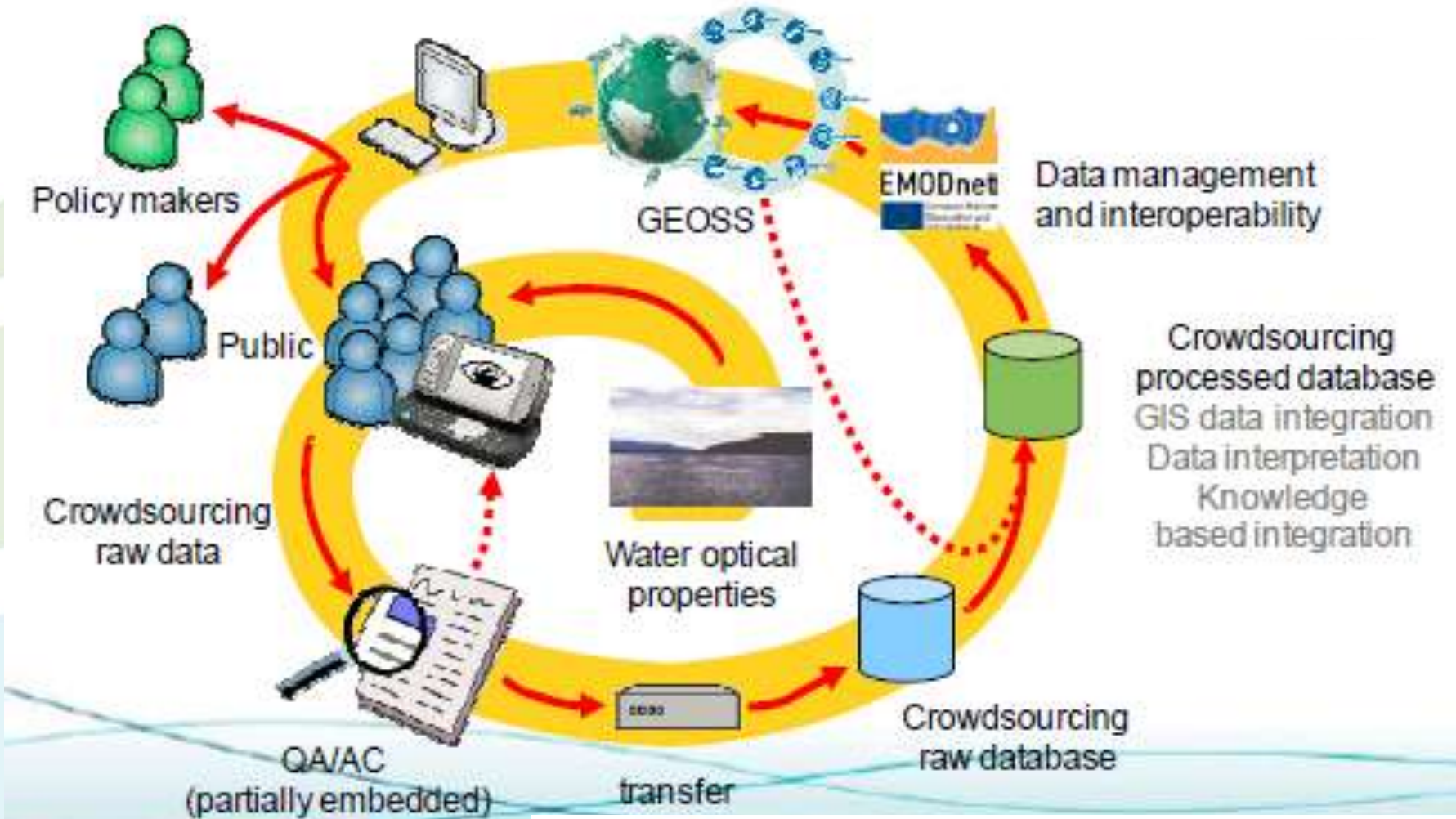
# Influence decisions, policy and actions to improve and maintain waterway health



# Conventional Monitoring



# Crowdsourcing

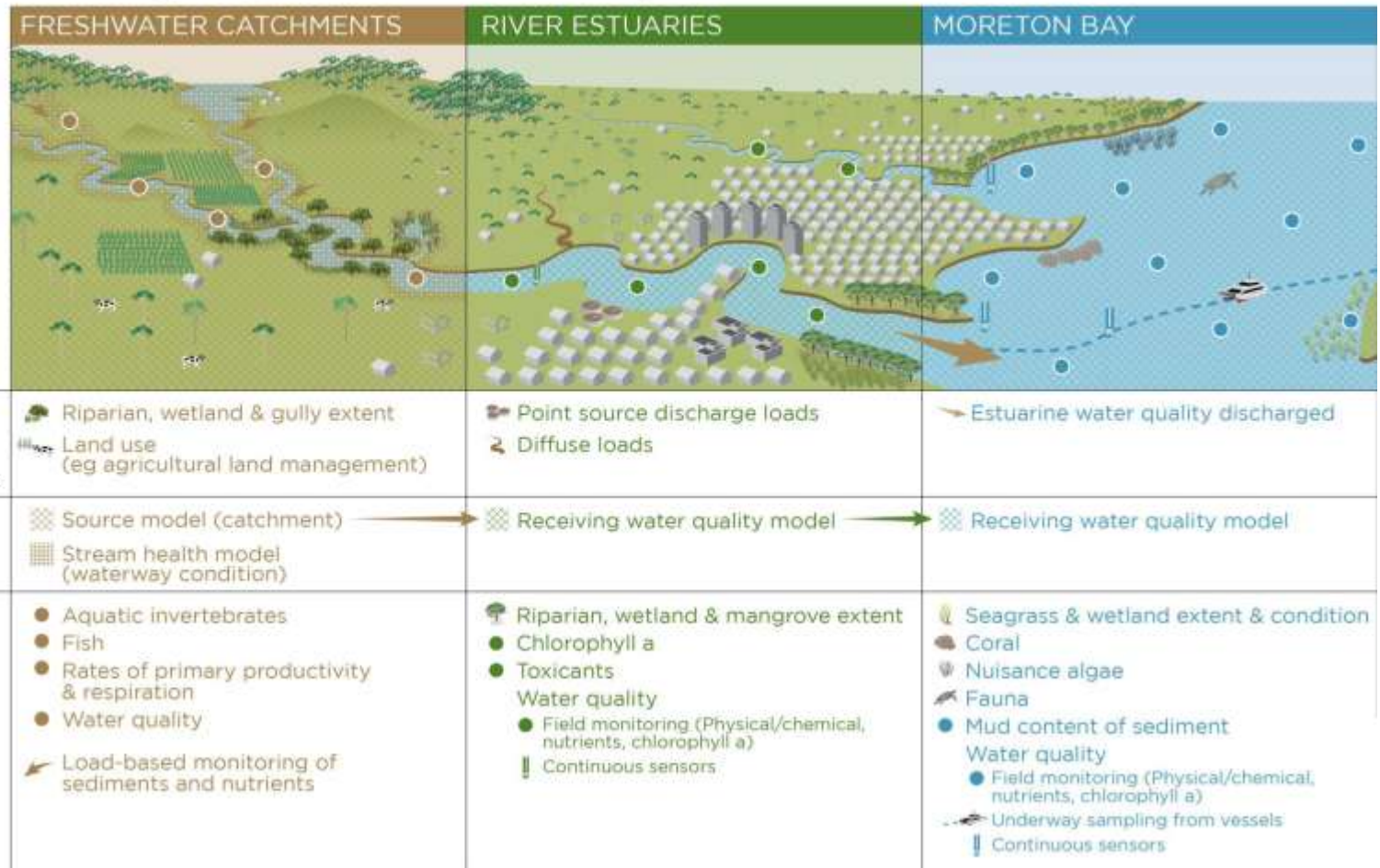


CitGloos

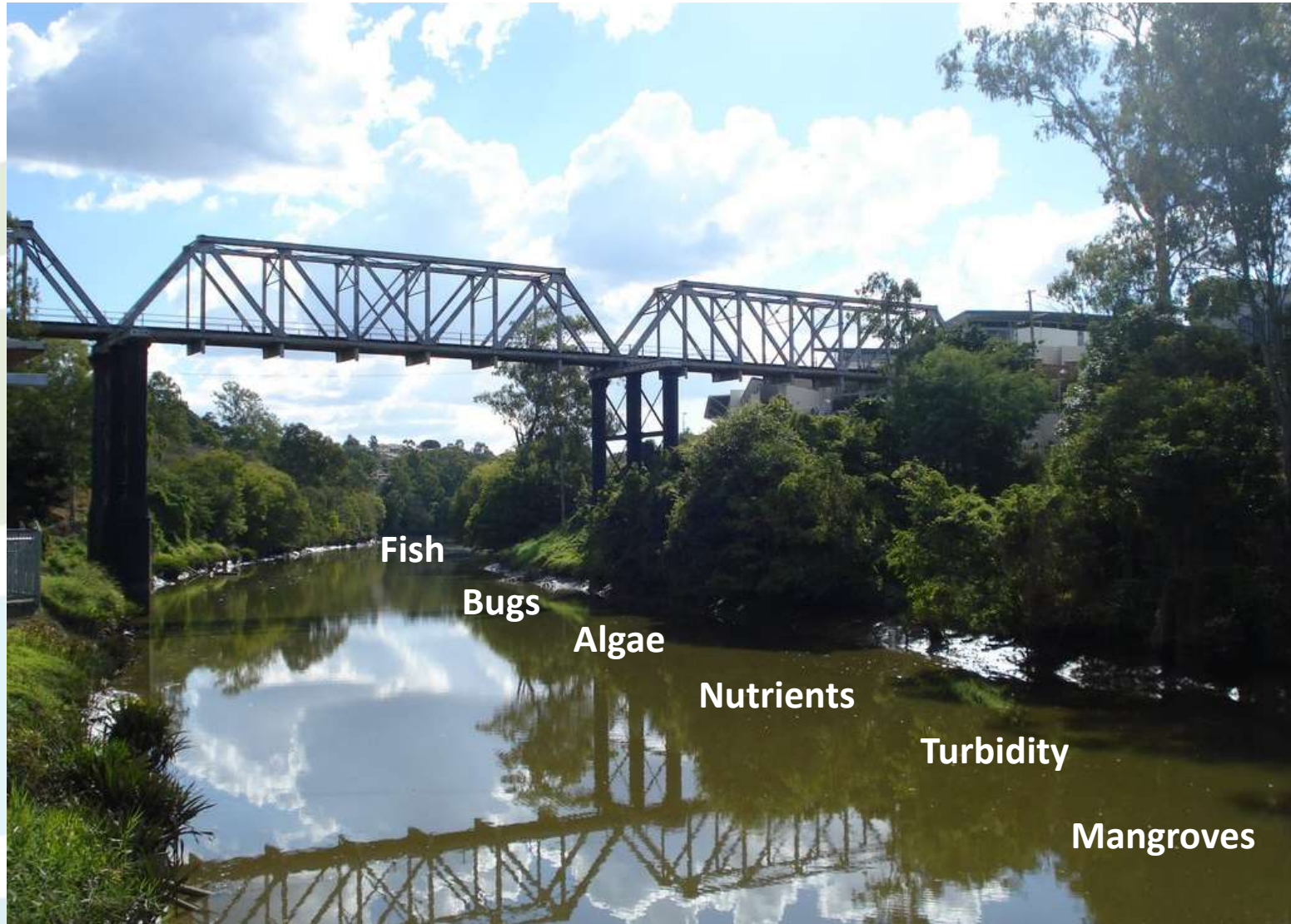
Citizens' observatory for coast and ocean optical monitoring

# Healthy Waterways Monitoring Program – linking monitoring and modelling

## Healthy Waterways Monitoring Program - Environmental Component



# Previously only Environment





# More than Environment

Environmental  
Condition



Benefits



Values &  
Actions



# Where the app comes in!!



CitClops: observatory for coast and ocean optical monitoring



# HydroColor – Water Quality

## HydroColor: A Water Quality App

By Thomas Leeuw

Open iTunes to buy and download apps.



View in iTunes

\$2.99

### Description

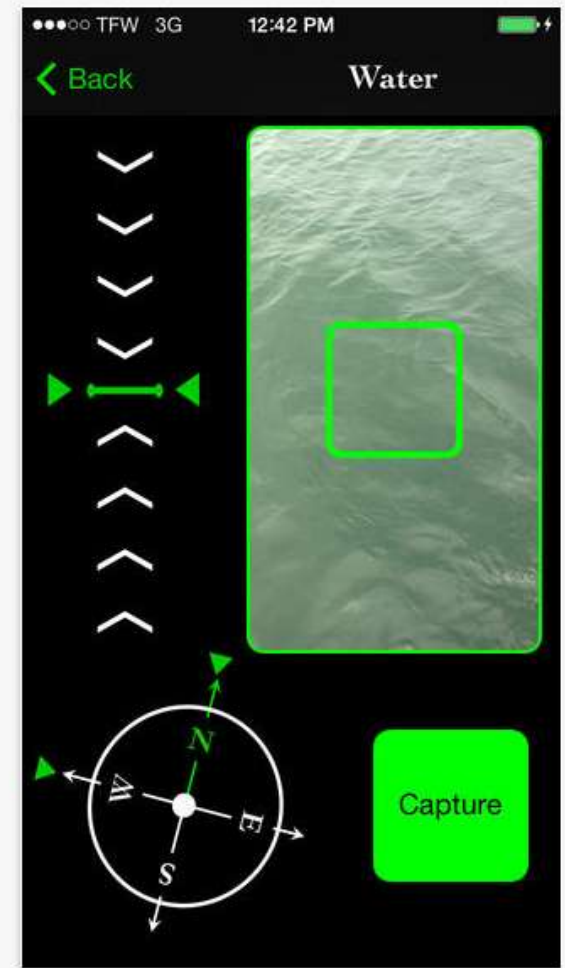
HydroColor is a water quality app for iPhone. Using this information, you can measure particulate matter (SPM) (g/l).

[HydroColor: A Water Quality](#)

### What's New in Version 1.0

Updates for iOS 8

## iPhone Screenshot



# My Soil – Improve Soil mapping

The screenshot shows the British Geological Survey website. At the top left is the BGS logo and the text 'British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL'. To the right is a navigation bar with links: 'About us | Contact us | Downloads | Jobs | Shop' and a search box. Below this is a blue banner with 'Gateway to the Earth' and a secondary navigation bar: 'Home | Our data | Our research | Our services | Our people | Discovering geology | News & Events | Hosted sites'. The main content area features a breadcrumb trail: 'Home » Our data » OpenGeoscience » Apps » mySoil'. On the left is a sidebar menu with 'Our data' and 'OpenGeoscience' sections. The 'OpenGeoscience' section includes 'Maps and viewers', 'Apps', 'Index', 'GeoIndex', 'iGeology', 'iGeology 3D', 'mySoil', 'myVolcano', and 'Citizen science'. The 'Apps' section is expanded to show 'mySoil' as the selected item. The main content area has a heading 'mySoil App | Growing our knowledge' and an image of two smartphones displaying the app's interface. Below the image are download buttons for the 'App Store', 'Google play', and 'amazon apps'. To the right of the image is a text block: 'mySoil gives you access to a comprehensive European soil properties map within a single app. Discover what lies beneath your feet and help us to build a community dataset by submitting your own soil information.' To the right of the main content is a 'See also' sidebar with a list of links: 'UK Soil Observatory', 'OpenGeoscience', 'iGeology', 'Soil parent material', 'Digital products', 'Web services', 'GeoIndex', and 'Online shops'. Below this is an 'Other BGS Apps' section with 'iGeology' and 'iGeology 3D'. A 'Community' section contains 'App developer network'. A 'Publications' section lists 'Technology: Crowd-sourced soil data for Europe, Nature, 18 April 2013'. At the bottom right is an 'External links' section. The footer of the page contains the text '© Healthy Waterways'.

British Geological Survey  
NATURAL ENVIRONMENT RESEARCH COUNCIL

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App | Growing our knowledge

mySoil gives you access to a comprehensive European soil properties map within a single app. Discover what lies beneath your feet and help us to build a community dataset by submitting your own soil information.

Download on the App Store

ANDROID APP ON Google play

amazon apps

See also

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- OpenGeoscience
- iGeology
- Soil parent material
- Digital products
- Web services
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Other BGS Apps

- iGeology
- iGeology 3D

Community

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- Technology: Crowd-sourced soil data for Europe, Nature, 18 April 2013

External links

mySoil Reviews

© Healthy Waterways

# Plant Tracker – weed mapping



PlantTracker


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about

add record

results

blog



Help protect your environment

Invasive non-native plant species are a threat to native wildlife in the UK. Help us track them down.




The Environment Agency, the Nature Locator team at the University of Bristol and the Centre for Ecology and Hydrology have joined forces to help combat the spread of the UK's most problematic invasive, non-native plant species.



 **Download the App now**

Available free from the iTunes App Store and Android Market



 Like 639  Tweet 874  +1 33

**Latest blog posts**

- [Spotlight Species – Crassula helmsii](#)

# Project Noah - Wildlife

Available on the  
**App Store**

Download for  
**Android**



## My Noah

iPhone & Android apps

My Noah is your Project Noah mobile home page. Once signed in, you can manage all your spottings, see what missions you're participating in, keep track of your patches, and update your profile.



A photograph of a stream flowing through a wooded area. The water is clear and reflects the surrounding greenery. There are several large, dark rocks in the stream, and a large, fallen tree trunk is visible on the left bank. The background is filled with dense trees and foliage. The text "Questions?" is overlaid on the right side of the image.

Questions?