Hello.

SPOTTERON
www.spotteron.net

Philipp J. Hummer
Designer & Citizen Scientist

SPOTTERON
CITIZEN SCIENCE PLATTFORM
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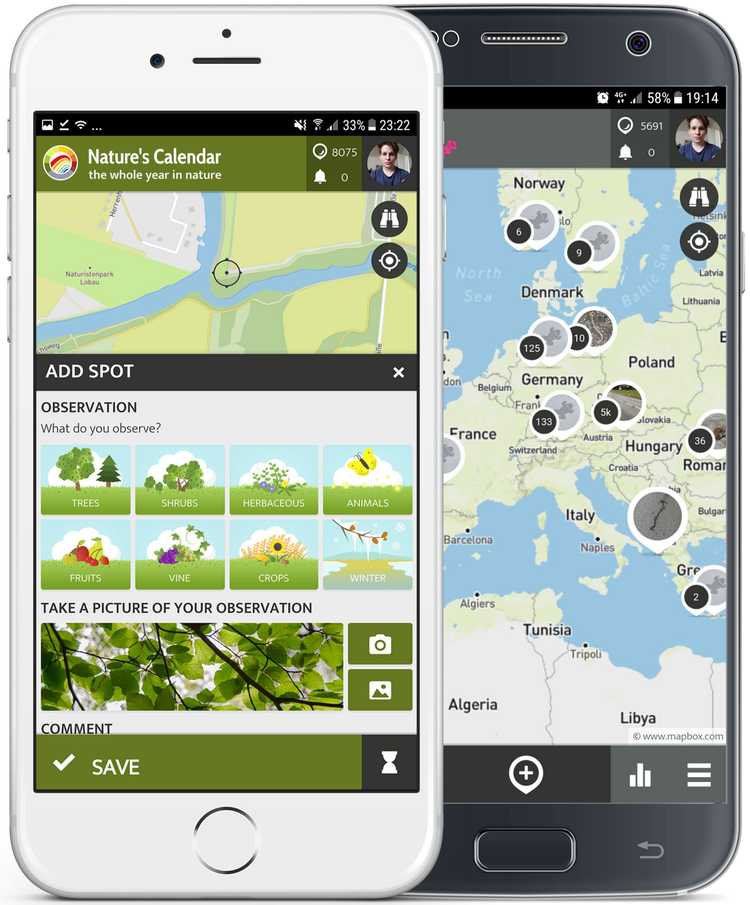
SPOTTERON **PLATFORM**

Since 4 years we develop the Citizen Science platform SPOTTERON

Currently over 18 projects are running on the platform

Core concept: shaping Citizen Science together

Why we do it - connecting people with science and their environment



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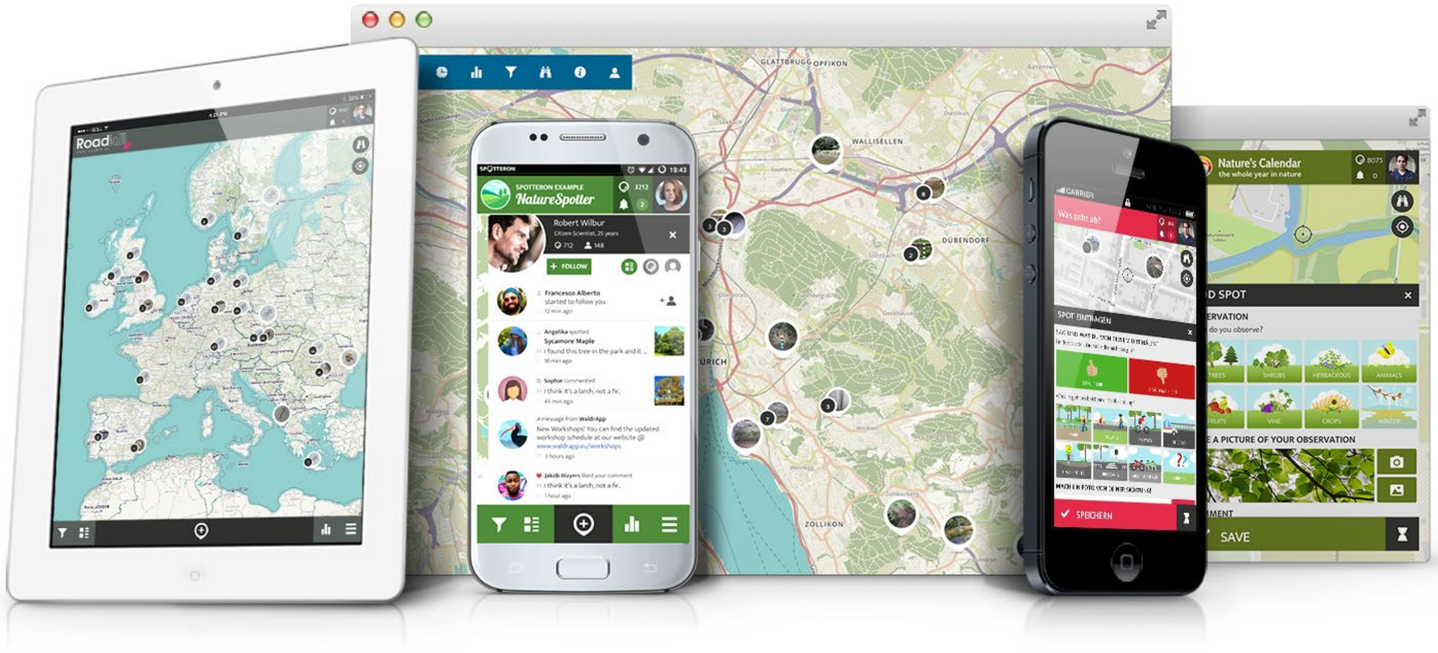

Each project is individually tailored, no “one app for all”

modular concept: all extensions are available for all projects

Each project runs its own smartphone apps and interactive browser maps

Don’t walk alone: Support and updates during the whole runtime

EXPECTATIONS
APPS IN 2018

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WHY **SMARTPHONE APPS?**

The tool in our pocket:
“Swiss Knife” for participatory science

Always connected:
Smartphones represent direct communication

Reaching out while being close:
Apps are easily available and can reach new groups

Reconnect the youth on eye-level:
Especially younger generations can be included and excited by the use of devices

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BASIC APP **EXPECTATIONS** IN 2018

FAST: Performance,
Usability and Mobile First

NICE: High level of “Look & Feel”
and interface design

SOCIAL: Social Citizen Science:
Community features in apps

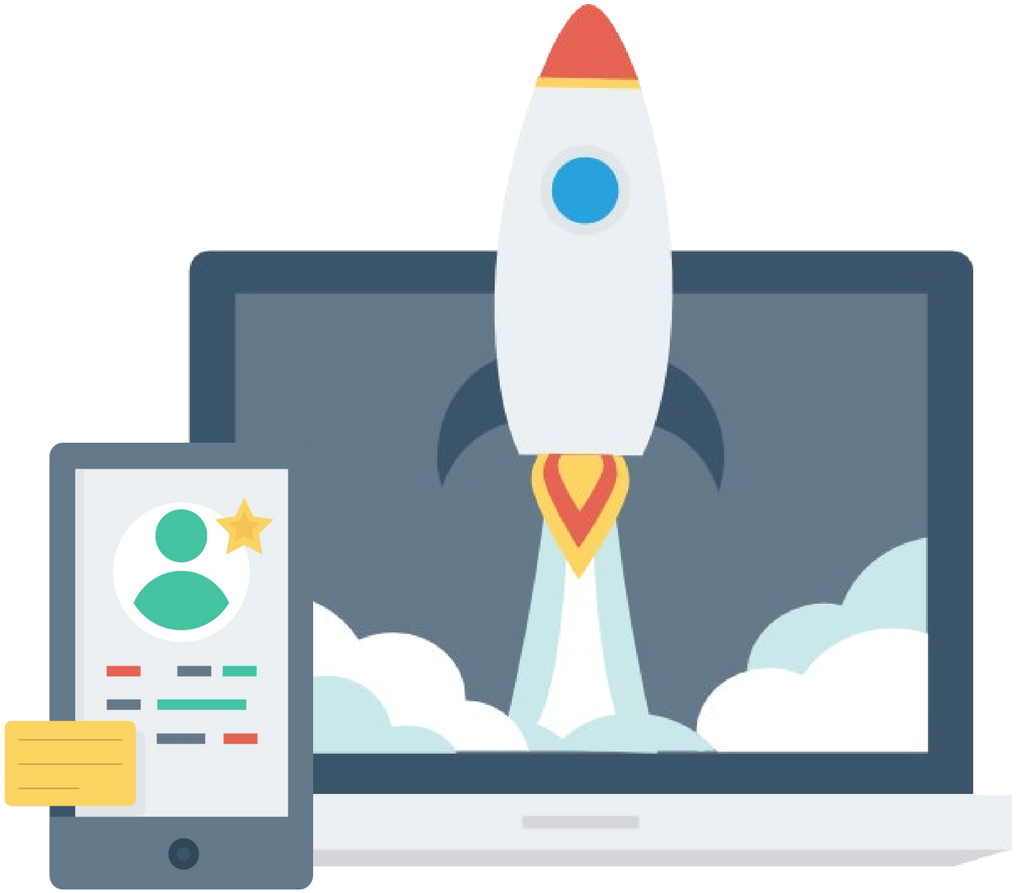
SECURE: Security, Privacy & GDPR (DSGVO)
It is the responsibility of a project or platform
to care for its user’s security & privacy

FAST: **PERFORMANCE, USABILITY & MOBILE FIRST**

Performance:
Distributed server infrastructure

Usability:
Apps need device-oriented design for immersion, fast use and practical experience.

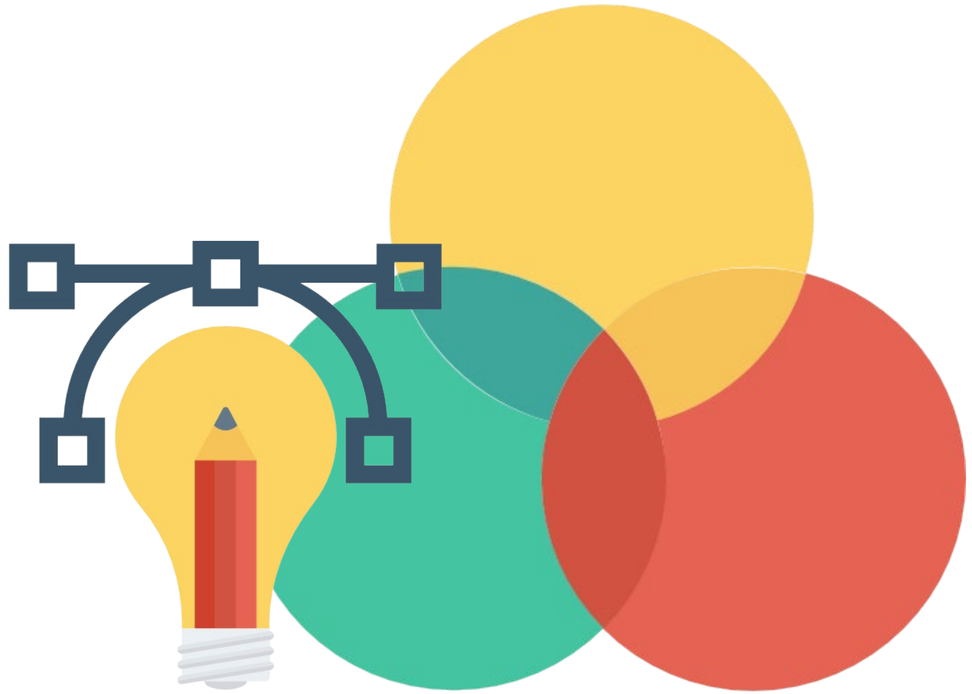
Mobile first:
Mobile devices are already the most important platform and connect us to the world.



NICE: **HIGH LEVEL OF “LOOK & FEEL”& INTERFACE DESIGN**

Look & Feel
Layouts, interfaces & logos communicate stories, emotions and traits - it is important how an app looks

Interface Design:
Interactive tools need interfaces, which are guiding users, are optimized for devices offer structure and access to all features.



SOCIAL: **SOCIAL CITIZEN SCIENCE & COMMUNITY FEATURES**

What are Community Features?
Liking, commenting, following:
User interaction is an important corner stone of interactive tools.

Social Citizen Science:
Citizen Science should not only be about data collection. With social features, Citizen Science tools can reach out, grow, foster long-term motivation and also data quality.

SOCIAL: **SOCIAL CITIZEN SCIENCE & COMMUNITY FEATURES**

Examples of social features in modern interactive applications:

USER REGISTRATION AND LOGIN

USER PROFILE

SOCIAL MEDIA SHARING

COMMENTS

FOLLOWING

FEED VIEW

APPRICIATION BUTTONS

NOTIFICATIONS

HASHTAGS

USER RANKS

USER GROUPS

GAMIFICATION

SECURE: **SECURITY, PRIVACY & GDPR** (DSGVO)

Security:
Encryption matters - all sensitive data traffic must be encrypted by SSL / TLS (https)

Privacy:
Citizen Science should use as less external scripts as possible & should not track users.

GDPR:
Consider data protection. Additionally personal data management options should be built directly inside the tools.

EXPECTATIONS & CHALLENGES

WE ARE CITIZEN SCIENTISTS **EXPECTATIONS**

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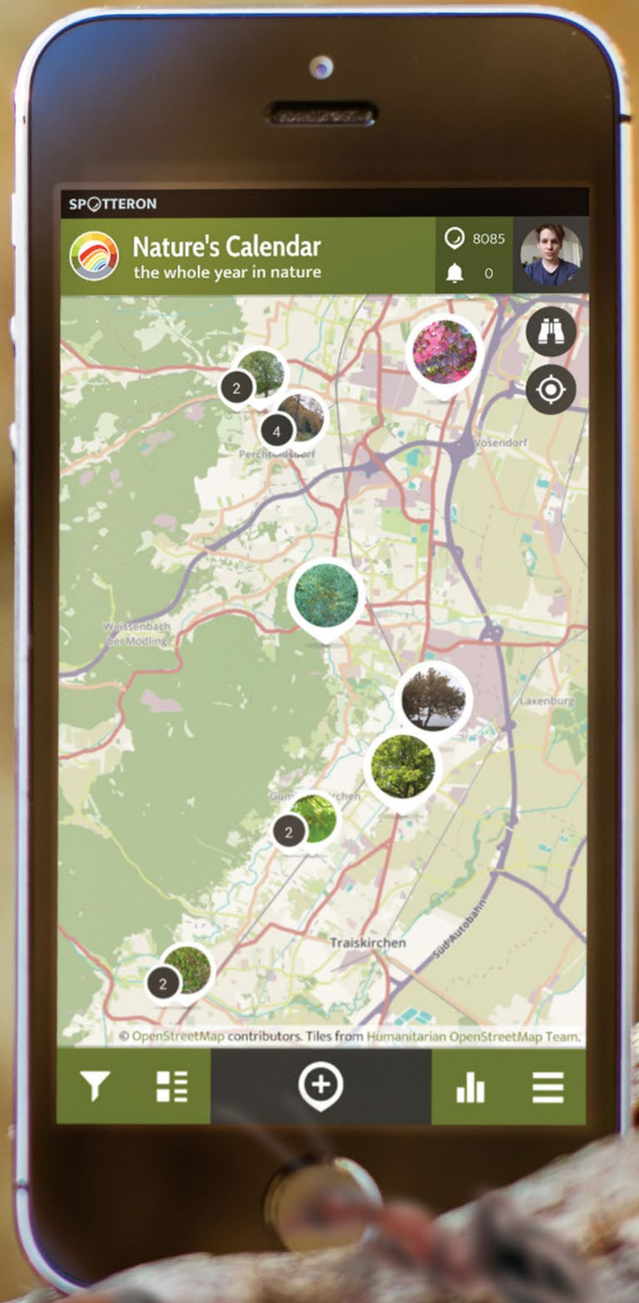
APPS ON SPOTTERON

www.spotteron.net



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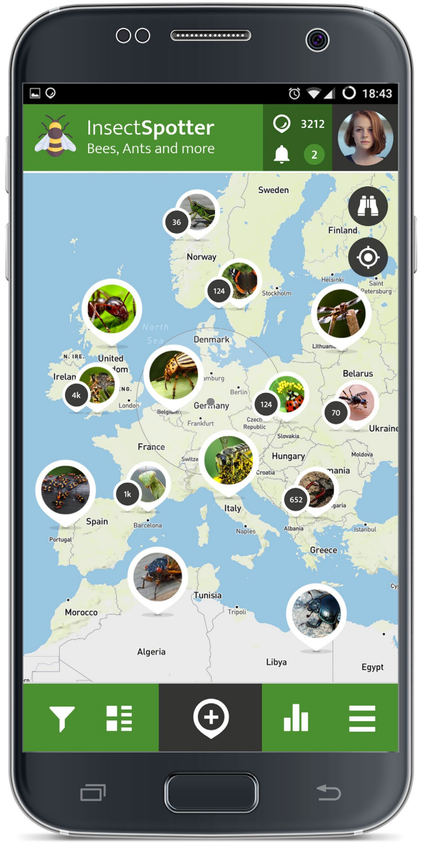
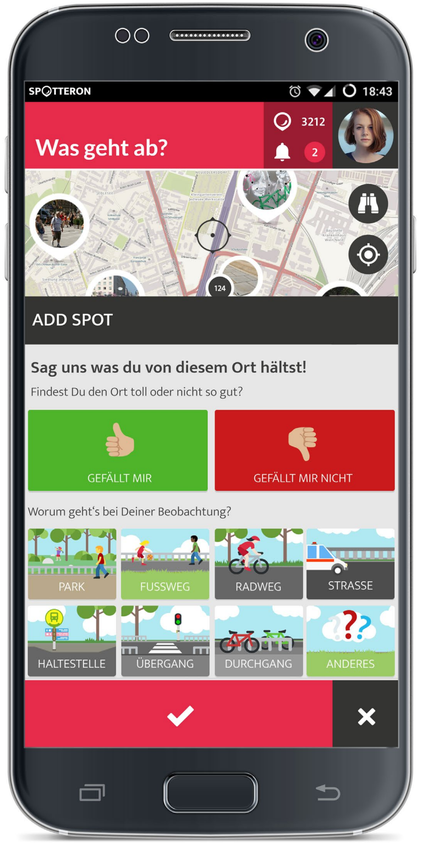
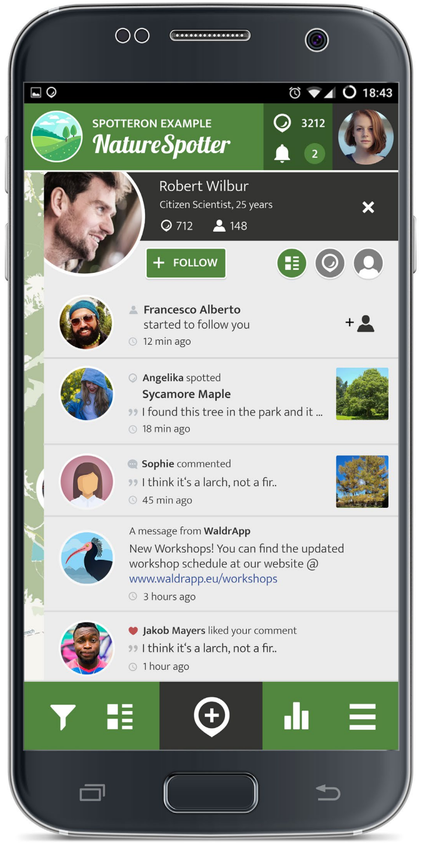
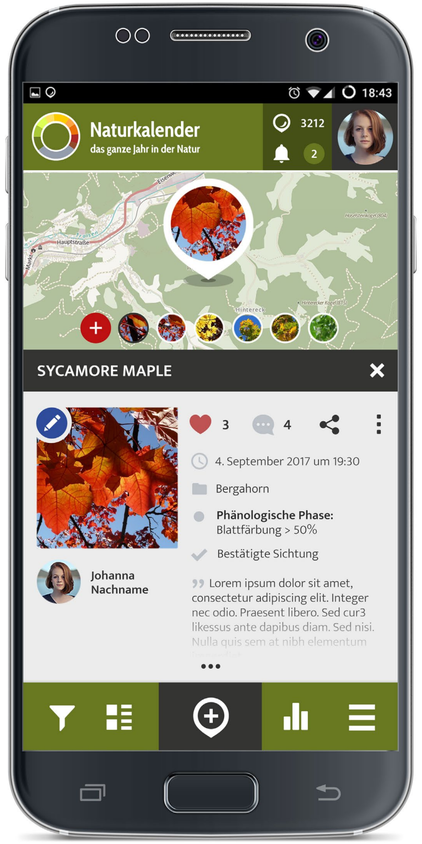








SPOTTERON

Roadkill
www.roadkill.at

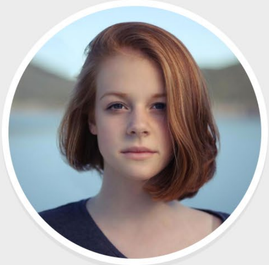
Edit user profile

Miss

Johanna

Citizen Scientist

12/04/1994



I am in Citizen Science because I always have been fascinated by the natural world, and while learning new things I can also contribute to protect it.

My background

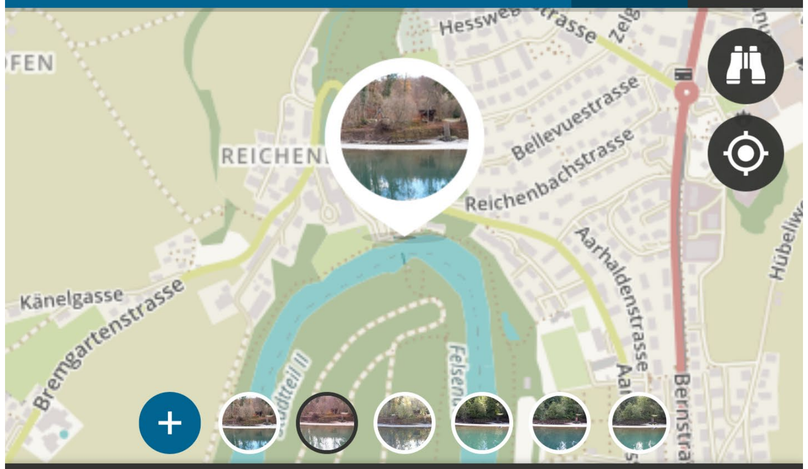
By providing the following optional fields you can help with the projects analysis and research goals.

www.johannasworld.com

SAVE

crowd water

628
0



WATER LEVEL

COMMENTS MEASUREMENTS STATISTICS

Simon Etter: Wenn nicht das Wasserniveau, dann hat sich immerhin die Vegetation stark verändert! Auch sehr spannend :)

10 days ago

Auria Buchs: Du hast recht! Es ist mir auch erst jetzt so bewusst aufgefallen, seit ich die Fotos regelmässig mache.

9 days ago 2 likes

Add a comment..

Naturkalender
das ganze Jahr in der Natur

8113
0

Ka vonSeiten
33 Jahre
17 + 60

vor einem Monat

Rainer Holzapfel gefällt dein Spot
Noch immer in voller Blüte
vor einem Monat

Rainer Holzapfel hat deinen Spot kommentiert
Schönes Weizenfeld, dort bin i...
vor einem Monat

Tim Phaeno gefällt dein Spot
First Snow.
vor einem Monat

Nachricht von **Naturkalender**
Liebe NaturVerrückt BeobachterInnen! Ab nächster Woche startet das Nachfolgeprojekt "Naturkalender" mit neuen Features & Beobachtungen für die Winterzeit. Ihr könnt die neuen Apps für Android & IOS im Lauf der nächsten Woche auf https://www.naturkalender.at & auf Facebook finden.
vor 2 Monaten

DiDoDa
folgt dir jetzt
vor 2 Monaten

medborgar-
forskningsprojektet
Fågelbär

417
1

USER SEARCH
Here you can search for new friends and follow them.

Stockholm

Torbjörn Wängemar
Stockholm, Sverige, 62 Ålder

Peter af Petersens
Stockholm, Sverige, 75 Ålder

Thomas Borg
Stockholm, Sverige, 53 Ålder

Jenny Rosen
Stockholm, 38 Ålder

SnaSna
Stockholm, Sverige

Catharina Ek
Stockholm, Sverige, 32 Ålder

Matilda Arnell

BRUSHTURKEYS
BIRDS IN SUBURBIA

17
0

Australian Brush-Turkeys

The Australian Brush-turkey (*Alectura lathami*) is an endemic Australian bird species from the Megapode family. Birds in the Megapode family are also known as mound-builders. Brush-turkeys occur naturally in rainforests and woodlands, where they forage by raking through leaf litter and soil for fruit, seeds, insects, lizards, and almost anything edible. Despite being poor fliers, they are capable runners and climbers. What sets them apart from other birds is their unique reproductive behaviour. Rather than incubating their eggs with their body heat, Brush-turkey males construct huge nest mounds out of soil and leaf litter, often weighing up to 3 tonnes. The breakdown and decomposition of this material produces heat that keeps the buried eggs around 33°C. Once the chicks hatch they are completely independent of their parents and are capable of forging and flight from day one.

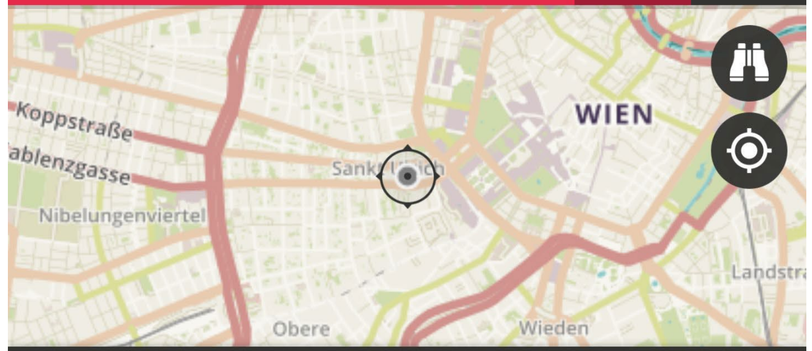
Images: Wikipedia, Australian brushturkey

Once hunted for food and sport, the Brush-turkey disappeared from

THE UNIVERSITY OF SYDNEY
TARONGA CONSERVATION SOCIETY AUSTRALIA
The Royal Botanic Garden Sydney
Australian Citizen Science Association

Was geht ab?

230
3



SPOT EINTRAGEN

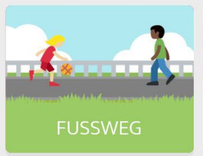
SAG UND WAS DU VON DIESEM ORT HÄLTST!

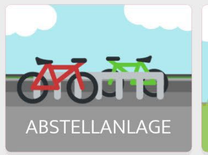
Findest du den Ort toll oder nicht so gut?

GEFÄLLT MIR

GEFÄLLT MIR NICHT

Worum geht es bei Deiner Beobachtung?





MACH EIN FOTO VON DEINER SICHTUNG!

SPEICHERN

THANK YOU.

GOT FEEDBACK OR QUESTIONS?

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Citizen Science Tools

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