



# TeaTime4App

Julia Miloczki, Anna Wawra, Markus Gansberger,  
Philipp Hummer, Taru Sandén



# TEA BAG INDEX App

## Aim:

To foster awareness around the importance of soils and their ecosystem services

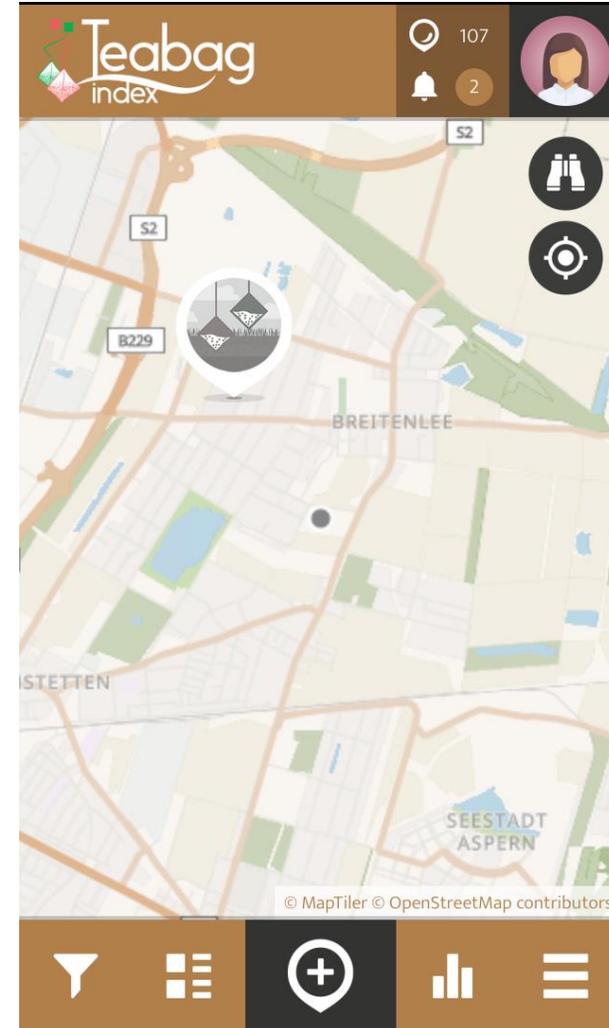
## Target groups:

- Students above the age of 10
- Citizen Scientists

## Method:

Hands-on activities to assess soil attributes

- Basic soil attributes
- Soil observations
- Tea Bag Index



# TEA BAG INDEX App

## Basic Soil Attributes

Land use | Soil Color | Soil Life

### ADD SPOT

What do you want to spot?  
Please select your main category for your observation:

BASIC SOIL ATTRIBUTE    SOIL OBSERVATION    TEA BAG INDEX

What do you want to observe?

LAND USE    COLOR MATCH    SOIL LIFE

Please take a picture (optional)

SAVE

### SOIL LIFE

Spiders

Spring tails

Earthworms

Beetles

Ants

Woodlice

Thousand leggers

Snails

Other

OK   CANCEL

### SOIL LIFE



**Earthworms**  
*Lumbricidae*

Earthworms live in the soil and are cylindrically structured worms. Currently 54 known species live in Austria. Their average lifetime is between three and eight years. The best known species in Austria is the common earthworm (*Lumbricus terrestris*). The common earthworm becomes 9 cm to 30 cm long.

[More information:](#)

OK   BACK

# TEA BAG INDEX App

## Soil Observations

Texture by Feel | Spade Test | Soil Pollution

**ADD SPOT** ✕

What do you want to spot?  
Please select your main category for your observation: i

 BASIC SOIL ATTRIBUTE

 SOIL OBSERVATION

 TEA BAG INDEX

What do you want to observe?

 TEXTURE BY FEEL

 SPADE TEST

 SOIL POLLUTION

Please take a picture (optional)

I am not sure if it is correct.

 **SAVE** 

**ADD SPOT** ✕

What do you want to observe?

 TEXTURE BY FEEL

 SPADE TEST

 SOIL POLLUTION

How does the soil feel like? i

 SAND

 SILT

 CLAY

I am not sure if it is correct.

 **SAVE** 

# TEA BAG INDEX App

## Tea Bag Index (TBI)



### ADD SPOT ×

**What do you want to spot?**  
Please select your main category for your observation: i

**What do you want to observe?**

Please take a picture (optional)

✓ **SAVE** ⌚

### ADD SPOT ×

**What do you want to observe?**

**Excavation**  
Optional: Is there a problem with the tea bags?

✓ **SAVE** ⌚

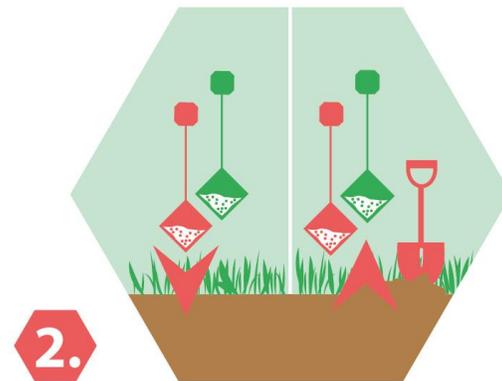
# TEA BAG INDEX App

## Tea Bag Index (TBI)

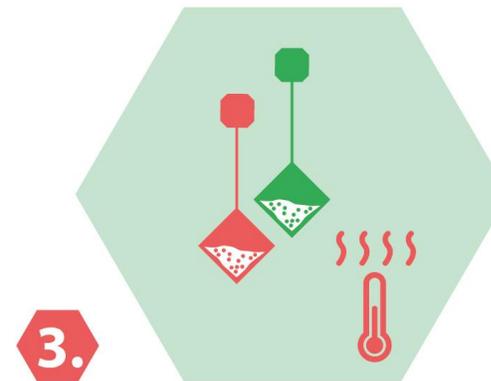
- Simple method to assess decomposition by mass loss of tea
- Green tea & Rooibos are buried for 3 months



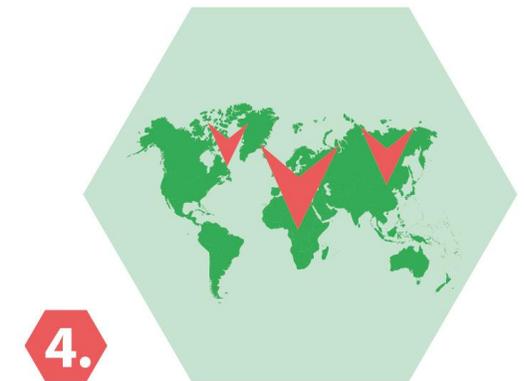
1. Read the information and weigh your teabags.



2. Bury your teabags and dig them out three months later.

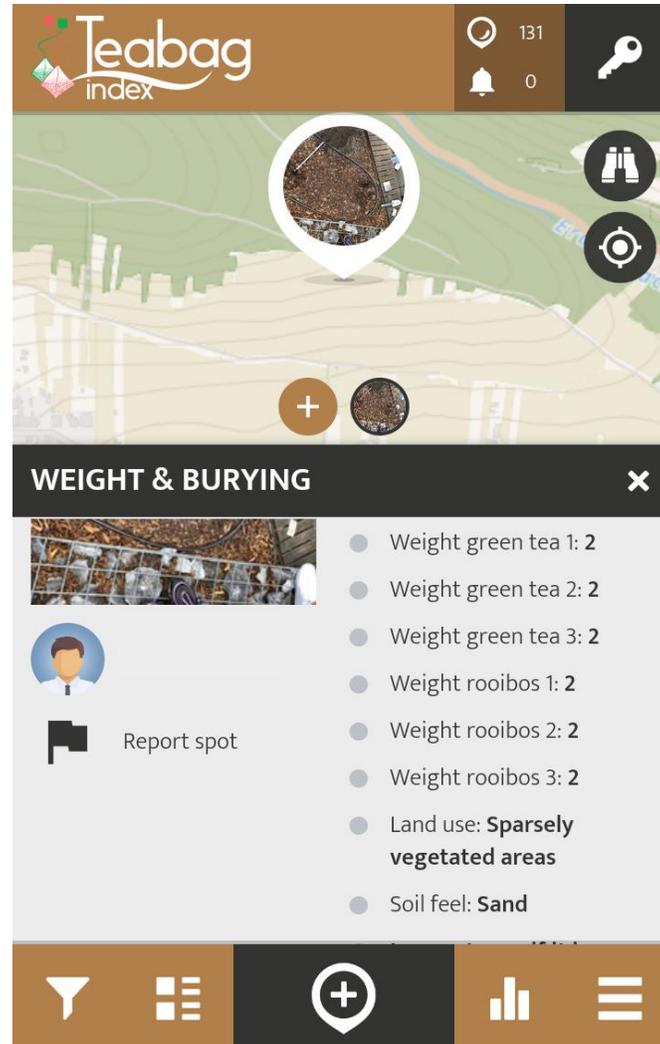
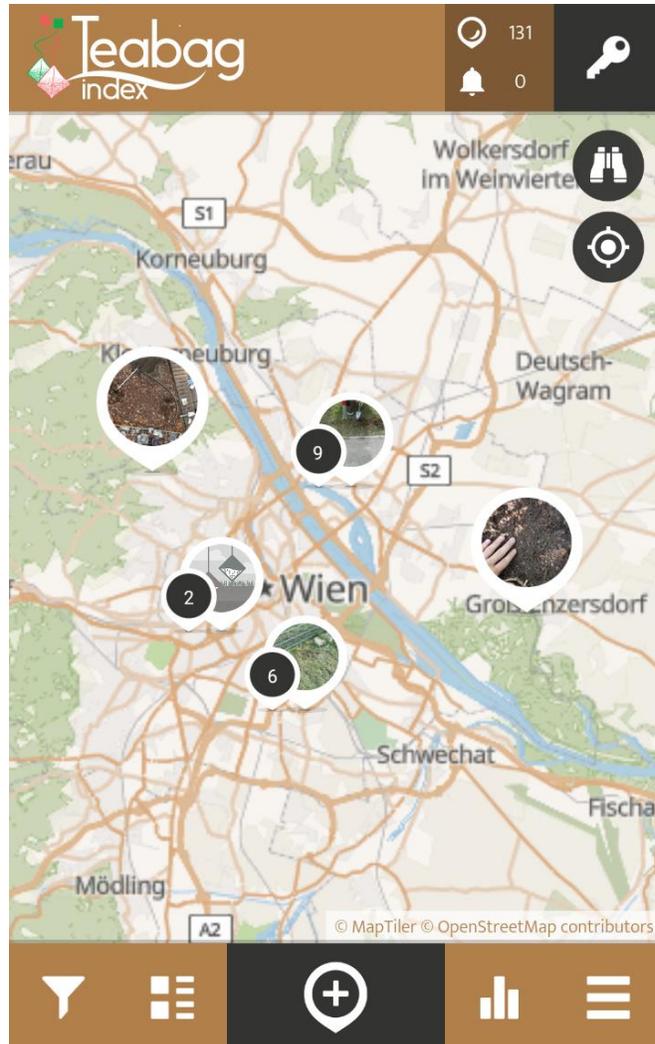


3. Dry your teabags for 3 days at room temperature and weigh the tea.



4. Submit your data.

# Data Entries (Spots)



Data points are displayed in the app

App data are entered in the Global Tea Bag Index Database: <http://www.teatime4science.org/>

# Contribution to SDGs

Basic Soil Attributes



Tea Bag Index



Soil Observations

# SOCIAL MEDIA

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31 Beiträge 239 Abonnenten 18 abonniert

Tea Time 4 Schools - citizen science project - understanding the importance of soil, one tea bag at a time  
[www.teatime4schools.at](http://www.teatime4schools.at)

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@TeaBagIndex

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357	1,463	689

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Teatime 4 Science

Welcome to the Teabag Index website!

Here you can learn all about climate change research, what teabags have got to do with it and how you can participate in this global experiment!

Schools Researchers Symposium Submit your data

# TEA BAG INDEX App

## DOWNLOAD

  
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www.citizen-science.at

  
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