

'Soilutions' to solve soil degradation problems



SAVING THE SOIL
IS SAVING LIFE

IUSS Birthday Calendar

Winners of IUSS Soilutions Poster Contest 2019

The International Union of Soil Sciences (IUSS) is the global union of soil scientists. The objectives of the IUSS are to promote all branches of soil science, and to support all soil scientists across the world in the pursuit of their activities.

www.iuss.org



International Union
of Soil Sciences

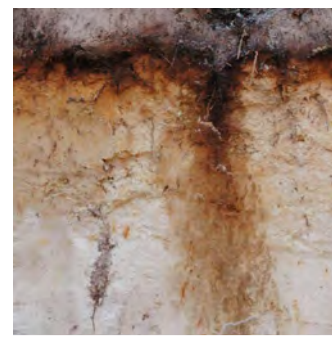
Soil is the essence of all terrestrial life, and critical to the delivery of major ecosystem services for human wellbeing and nature conservancy. Thus, IUSS launched a contest in 2018 looking for an iconic symbol that represents major ecosystem services of soil, while being simple and easy to be comprehended by the general public.



Global soil icon

To increase the momentum of the International Year of Soils 2015, IUSS proclaimed the International Decade of Soils with the aim of ensuring that the significance of soils in maintaining healthy life and environment remains continually at the forefront of political and scientific planning and decision making.





Soilutions

to solve soil degradation problems

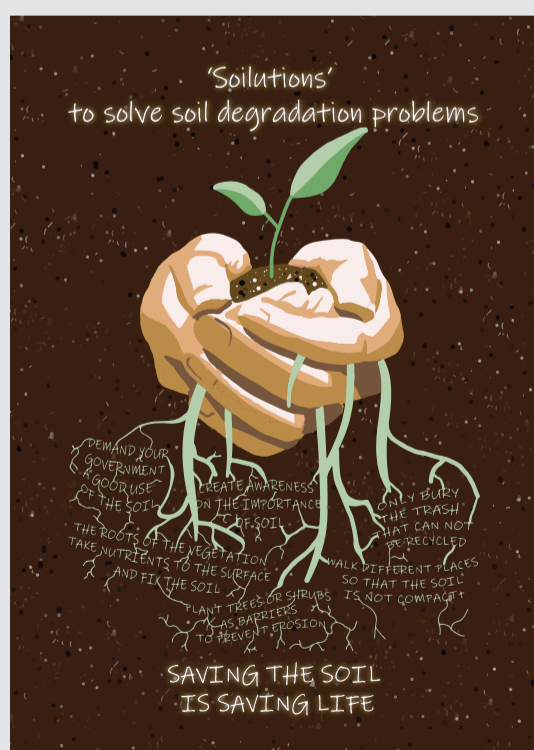
International Poster Contest

Soil is a limited natural resource that is under increasing pressure and thus at great risk of being degraded. IUSS has identified the key roles played by soils in guaranteeing food security, reducing greenhouse gas emissions that contribute to climate change, generating drinkable and clean water necessary for human life and for sustaining the terrestrial and aquatic ecosystems, for practicing sustainable agriculture, and in reaching the Sustainable Development Goals (SDGs). Against this background, in the course of the highly successful conference 'Celebration of International Year of Soils 2015 – Achievements and Future Challenges', The International Decade of Soils 2015-2024 was proclaimed by Rainer Horn as IUSS President (2014-2016).

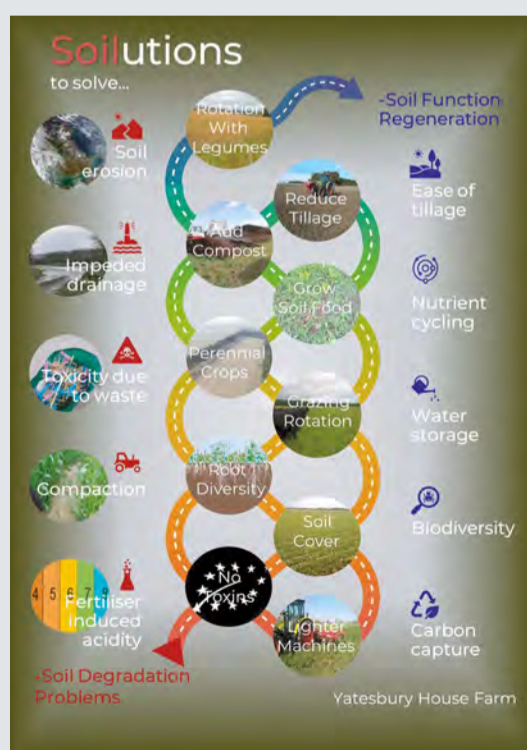
Since many of these SDGs directly or indirectly involve the resource soil, reaching them will only be possible if we preserve this resource as a common good of humankind. This is why IUSS considers stopping soil degradation as one of its most important tasks, and invites you to propose in a poster your 'Soilutions' to address soil problems in order to preserve this unique resource and life.

This Birthday Calendar features the best 13 poster designs from our international poster contest 2019. The winner of the first prize is Hernández Huerta Aldo Alfredo (cover), the second prize went to Richard Gantlett (January) and the third prize went to M.A. Samarasekara, A.G.S.D. De Silva and R. Thusyanthini (February). The other calendar sheets show further winning posters.

Many thanks to all participants. May their efforts be a useful stimulant to prevent further soil degradation throughout the world!



1. Place:
Hernández Huerta Aldo Alfredo



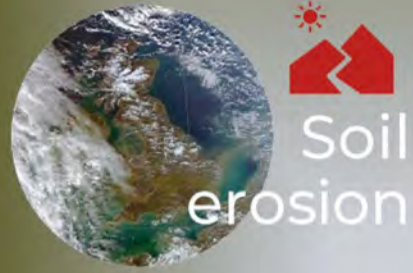
2. Place:
Richard Gantlett



3. Place:
M.A. Samarasekara, A.G.S.D. De Silva and
R. Thusyanthini

Soilutions

to solve...



-Soil Function
Regeneration



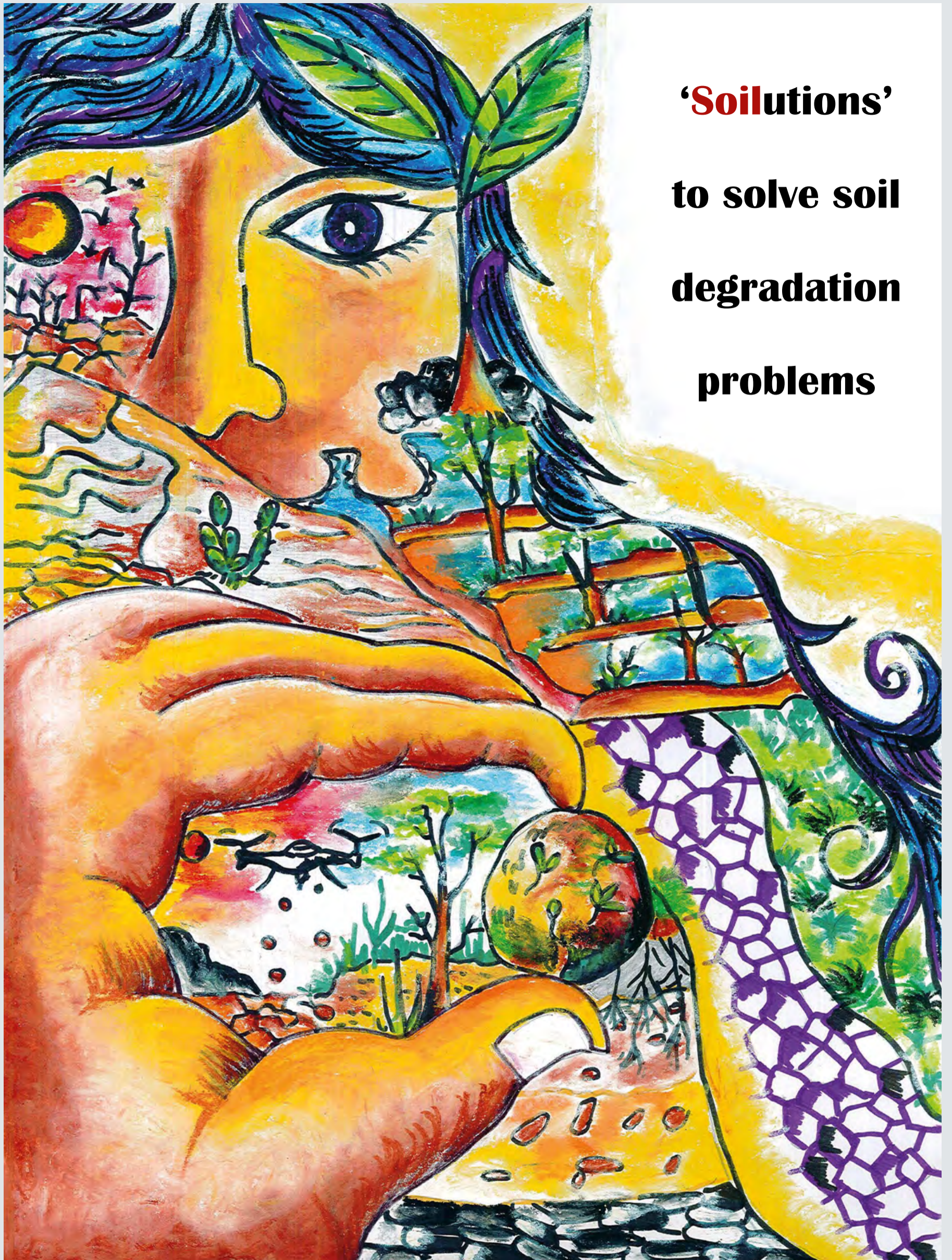
-Soil Degradation
Problems

Yatesbury House Farm

JANUARY

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Poster Design by
M.A. Samarasekara,
A.G.S.D. De Silva
and R. Thusyanthini



**‘Soilutions’
to solve soil
degradation
problems**

FEBRUARY

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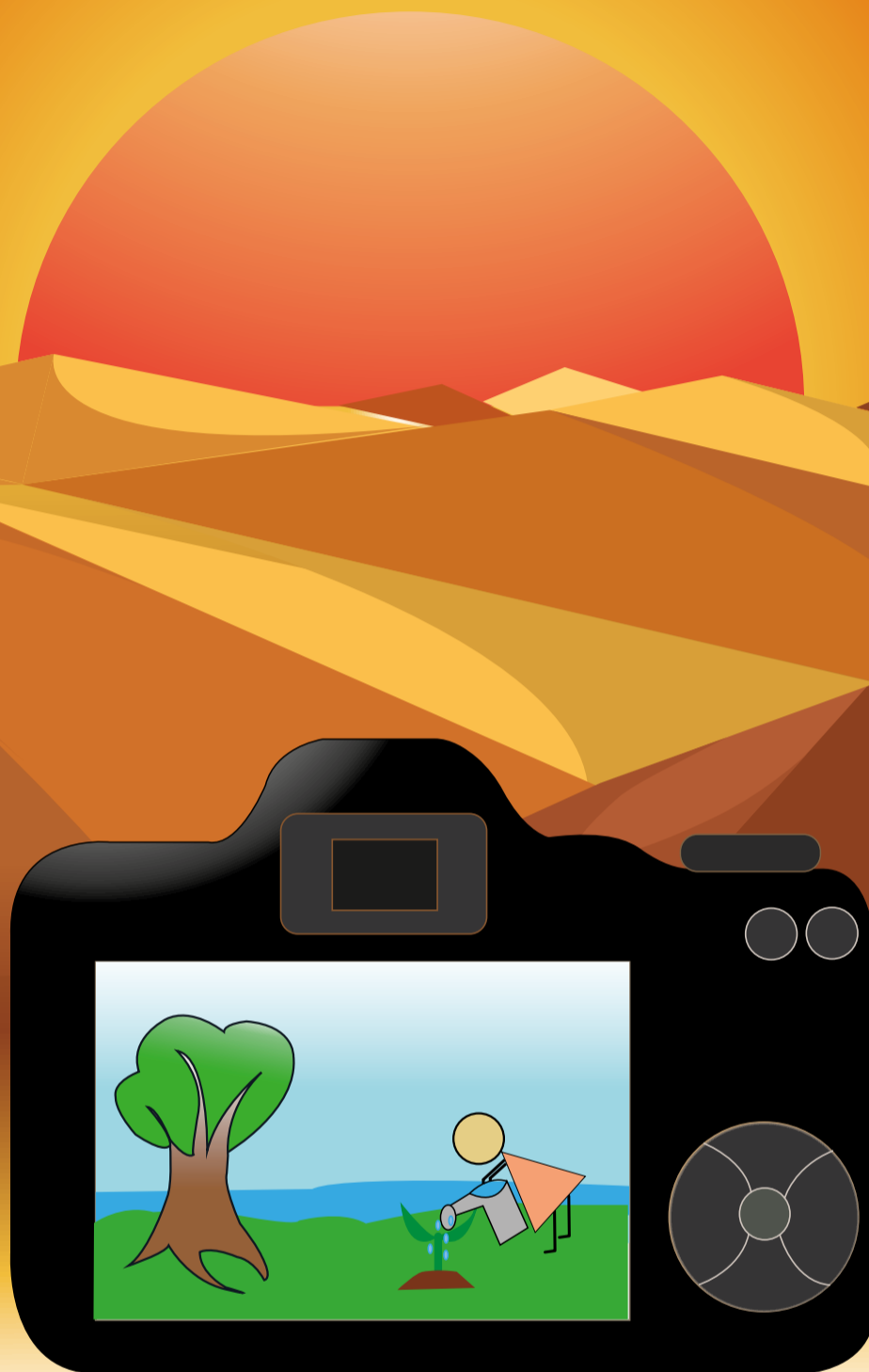
Global soil icon



**International
Decade of Soils**
2015-2024

“Soilutions”

to solve soil degradation problems

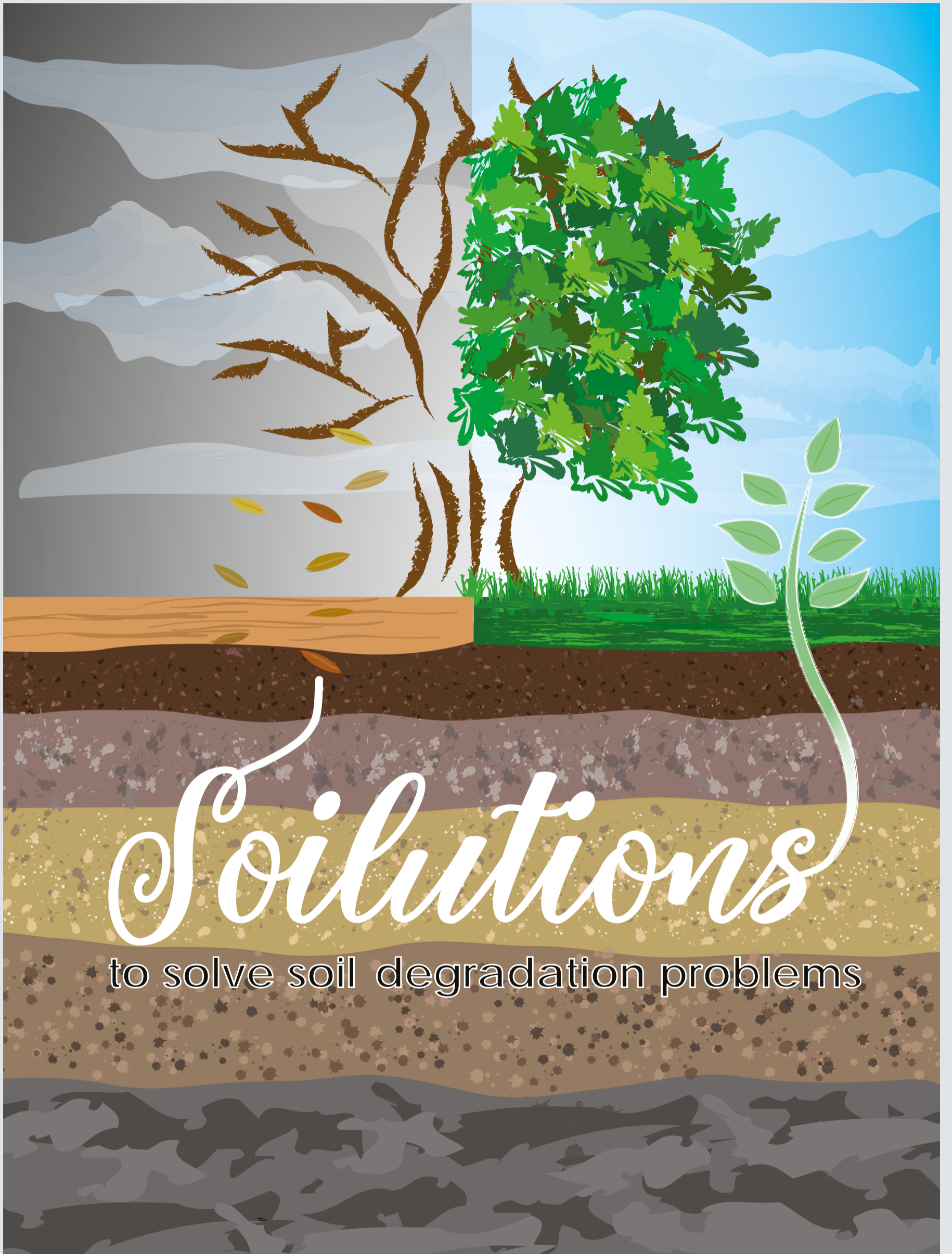


**Our soil as a memory is
unforgivable**

MARCH

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Poster Design by
Fuentes Cadena
Olga Lizbeth
and Salas García
Wendy Lorena



APRIL

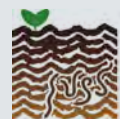
Soilutions

to solve soil degradation problems

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Global soil icon



**International
Decade of Soils**
2015-2024

Poster Design by
Eddie Ricardo
Cruz Peralta

It's not just for your feet, ¡It's Life!



Because life starts from below

MAY

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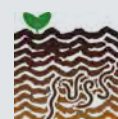
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International Union
of Soil Sciences



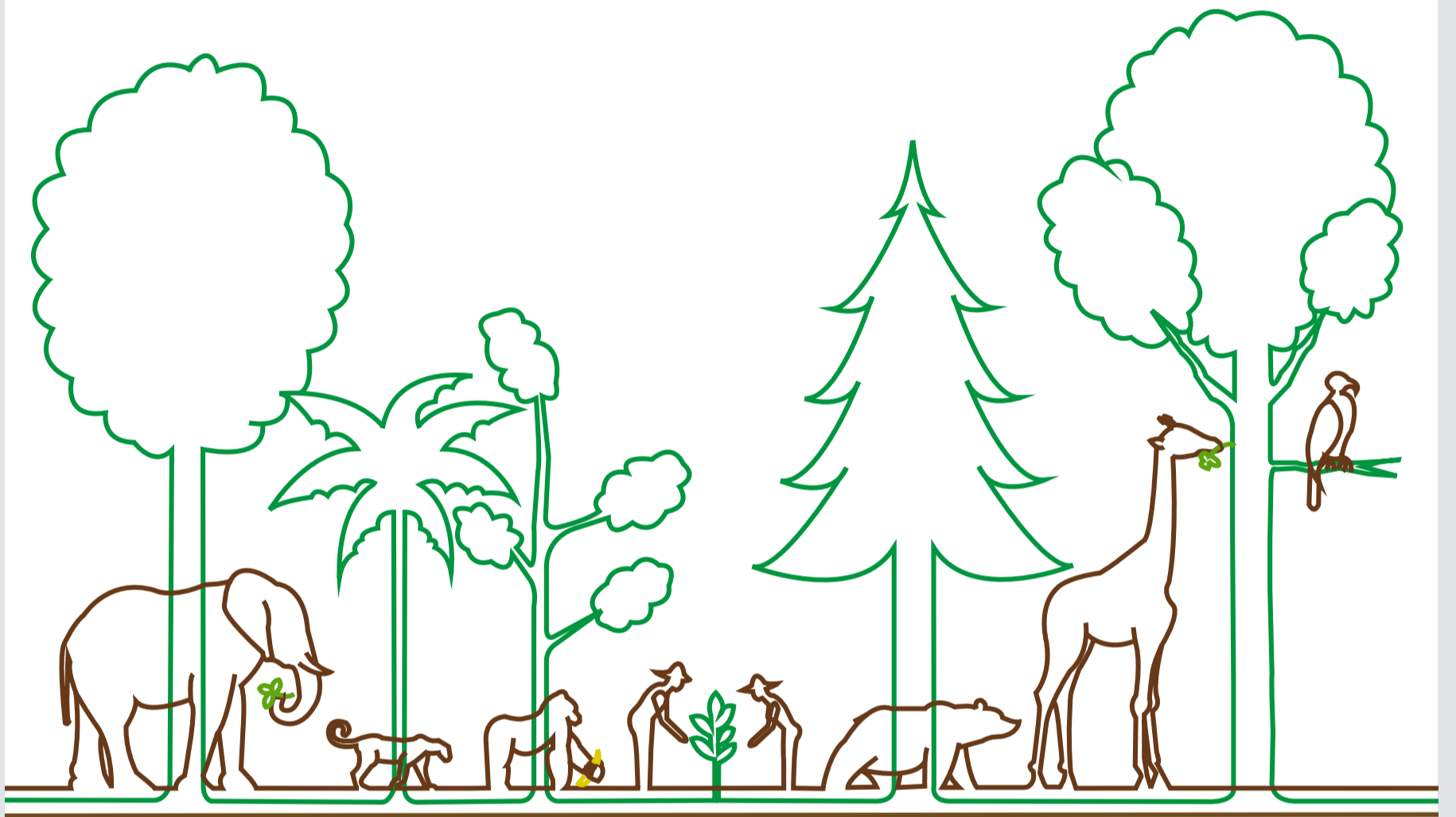
Global soil icon



International
Decade of Soils
2015-2024

Soilutions

TO SOLVE SOIL DEGRADATION PROBLEMS



JUNE

Take care of soils, Take care of life.

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Erosion control calculator (ECC) is an Internet application for decision support in the field of soil erosion control

'Soilutions' to solve soil degradation problems

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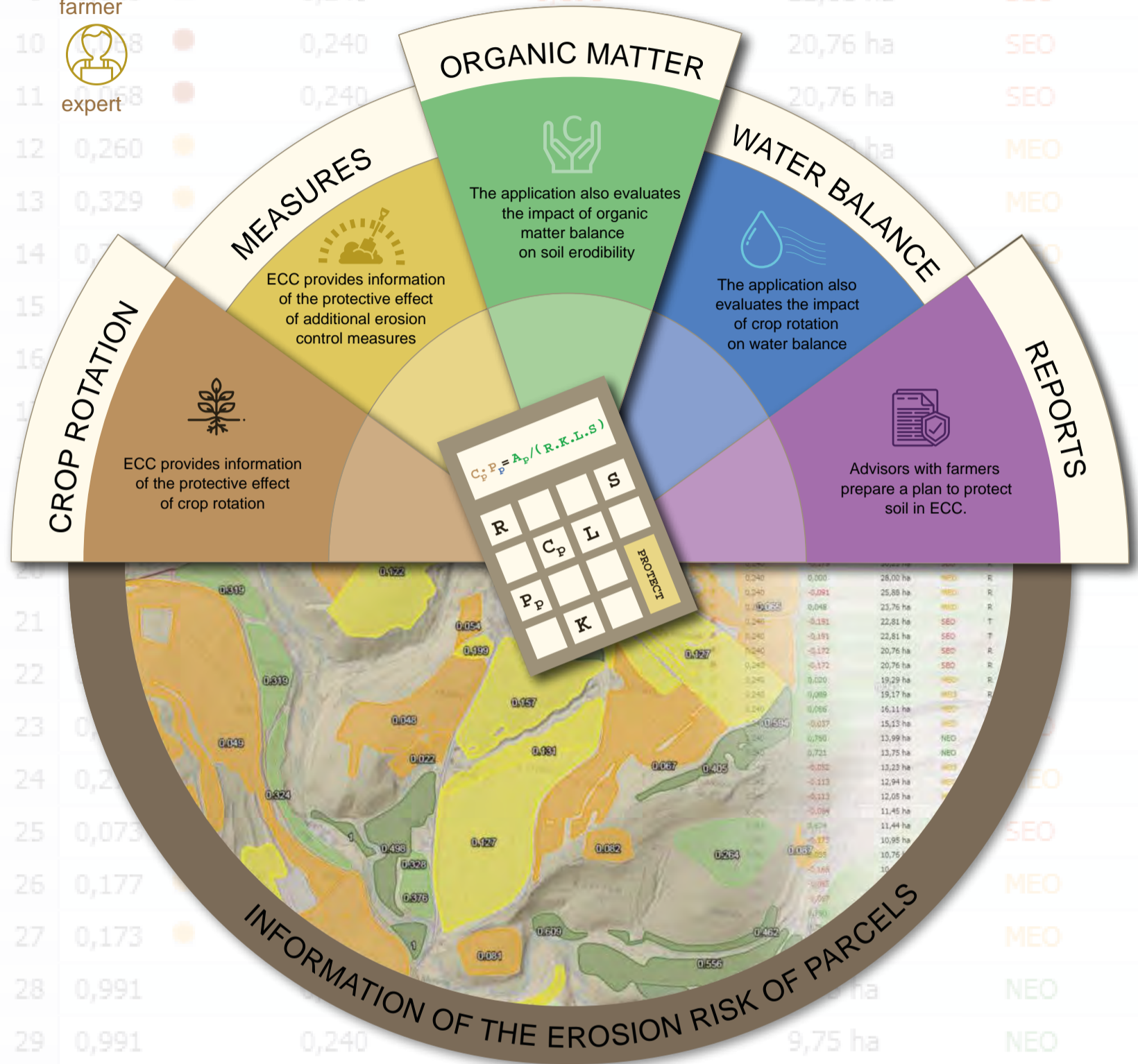
<https://kalkulacka.vumop.cz>



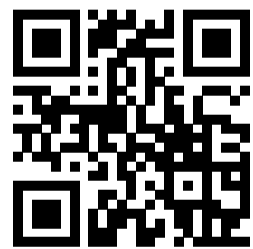
farmer



expert



<https://kalkulacka.vumop.cz>



Research Institute for Soil and Water Conservation

Erosion control calculator is based on Universal Soil Loss Equation. This equation is the most commonly used method for estimating the erosion risk of agricultural soils in our country and worldwide.

The United Nations have announced 17 Sustainable Development Targets, which represent a development program until 2030. In connection with these objectives, it has announced a competition for projects best suited to meet these objectives. Expert commission for this competition consists of the Food and Agricultural Organization of United Nations and FORBES, for example. This commission has chosen Soil erosion control calculator as a winner of Expert Panel Award.



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'Soilutions' to solve soil degradation problems

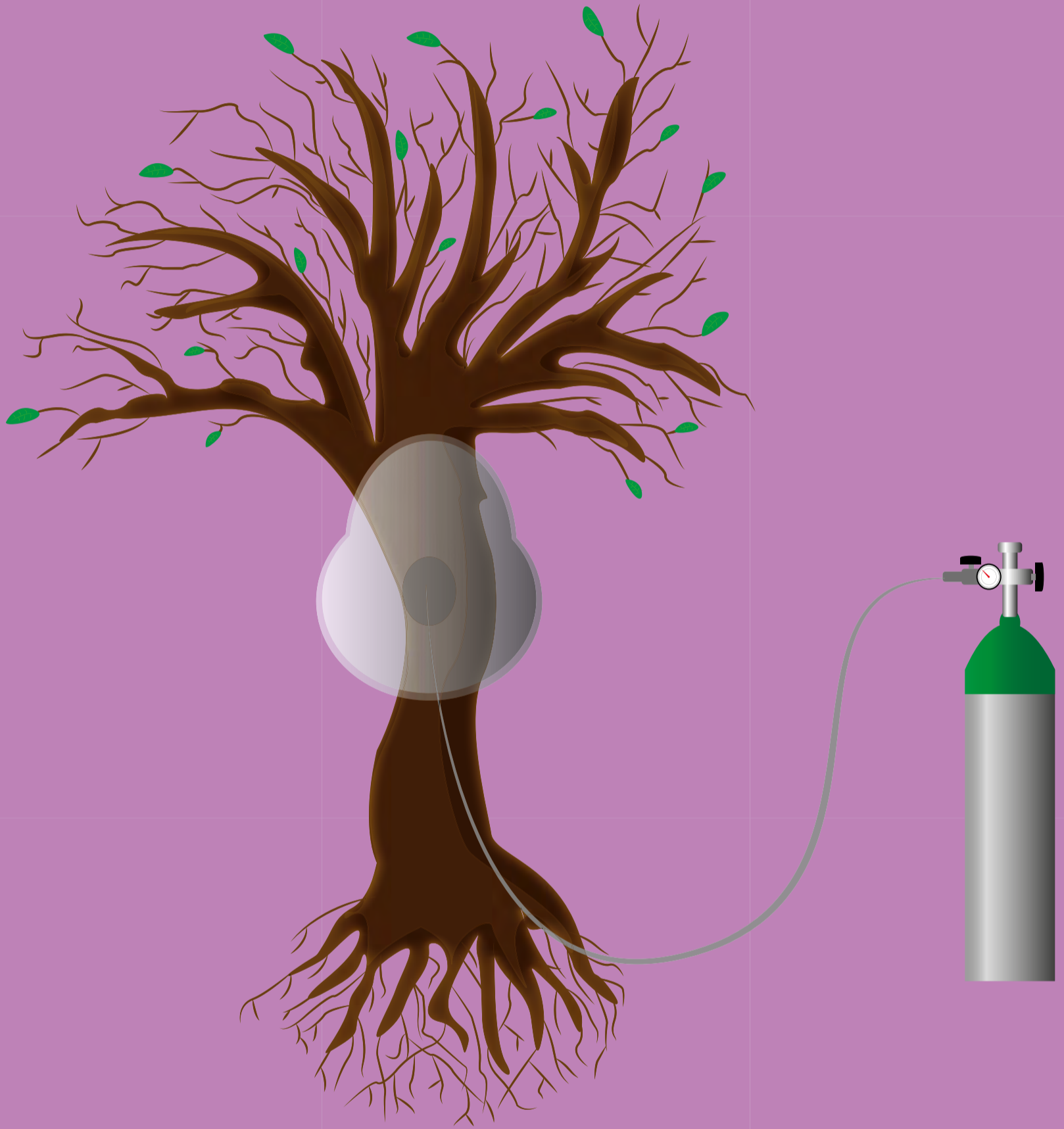
CARING LITTLE HANDS



SEPTEMBER

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'Soilutions' to solve soil degradation problems



OCTOBER

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Soilutions to solve soil degradation

Even the smallest help
can be the biggest change.

NOVEMBER



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SOILUTIONS

WATER USAGE AND FOOD

Higher excise duties on meat
Lower prizes on vegetables



DRINKING WATER



The saved water can be used for:

- repairing degraded soil
- drinking water
- vegetables and cereals
- and much more...

To produce a salad (tomato, lettuce and cucumber) about 70 liter water is necessary. While steak needs about 2550 liter water, according to the Water Footprint Calculator.

BE AWARE OF
YOUR
WATER USAGE

GREEN NEIGHBOURHOODS

WE ♥ GREEN

Reward people who are replacing their sidewalk tiles for green in their garden. Also support having green in the neighbourhood, for example by shared green space. Green places will increase the amount of different kind of insects and improve the organic soil.

Talking about water, why not use rainwater for vegetation instead of the drinking water?



Soil can be improved by the natural cyclus of vegetation and their nutrients. Keep away from pesticides and let the nature take care of the rest.



DECEMBER

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