

'Soilutions' to solve soil degradation problems



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.



**International
Decade of Soils
2015-2024**



Soilutions

to solve soil degradation problems

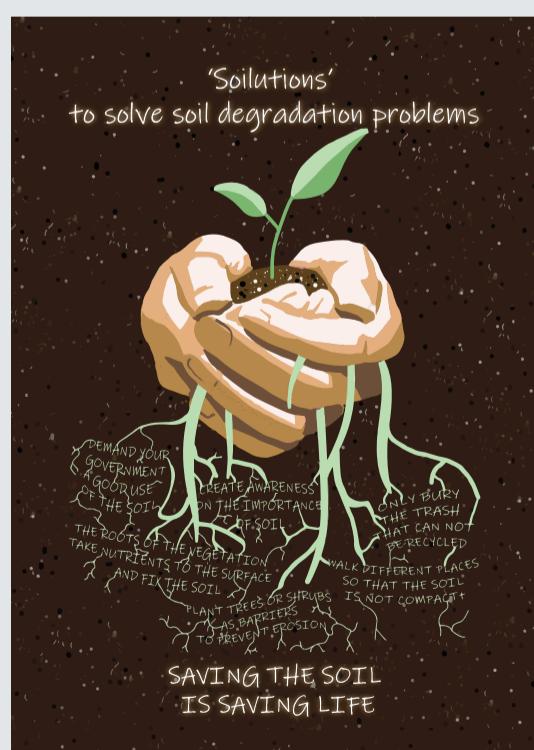
International Poster Contest

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).

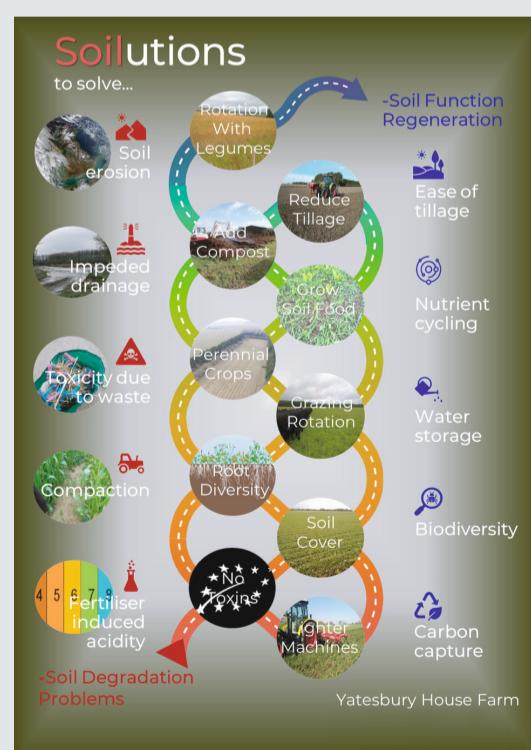
Since many of these SDGs directly or indirectly involve the resource soil, reaching them will only be possible if we preserve this resource as a common good of humankind. This is why IUSS considers stopping soil degradation as one of its most important tasks, and invites you to propose in a poster your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

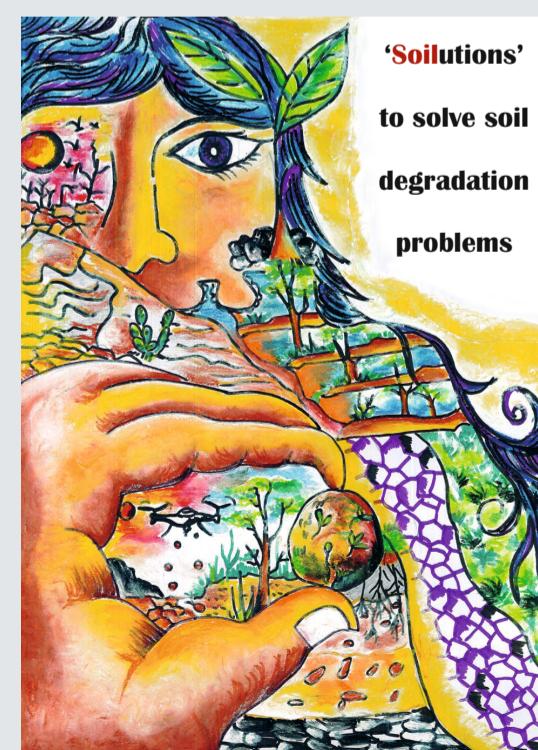
Many thanks to all participants. May their efforts be a useful stimulant to prevent further soil degradation throughout the world!



1. Place:
Hernández Huerta Aldo Alfredo

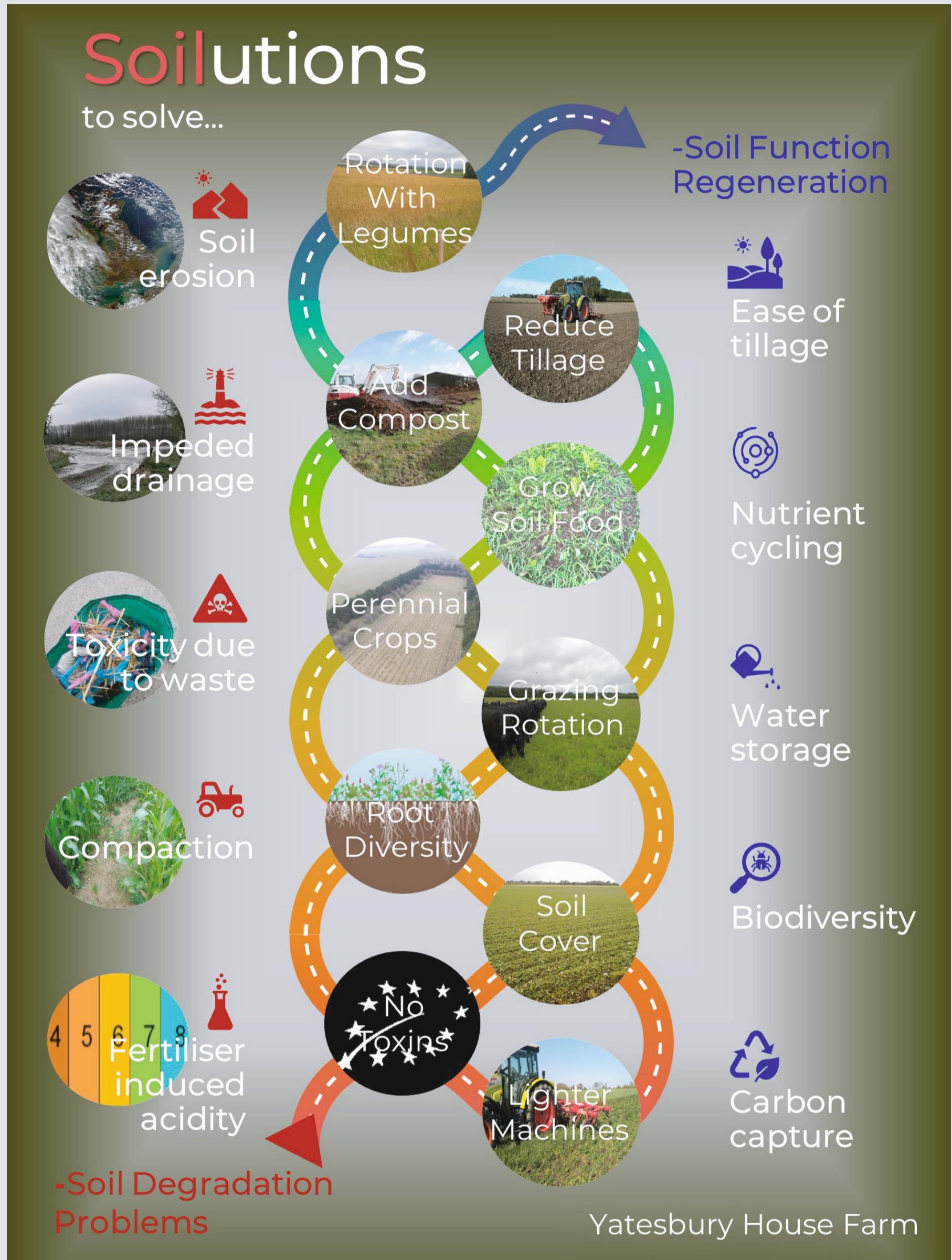


2. Place:
Richard Gantlett



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

JANUARY



1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



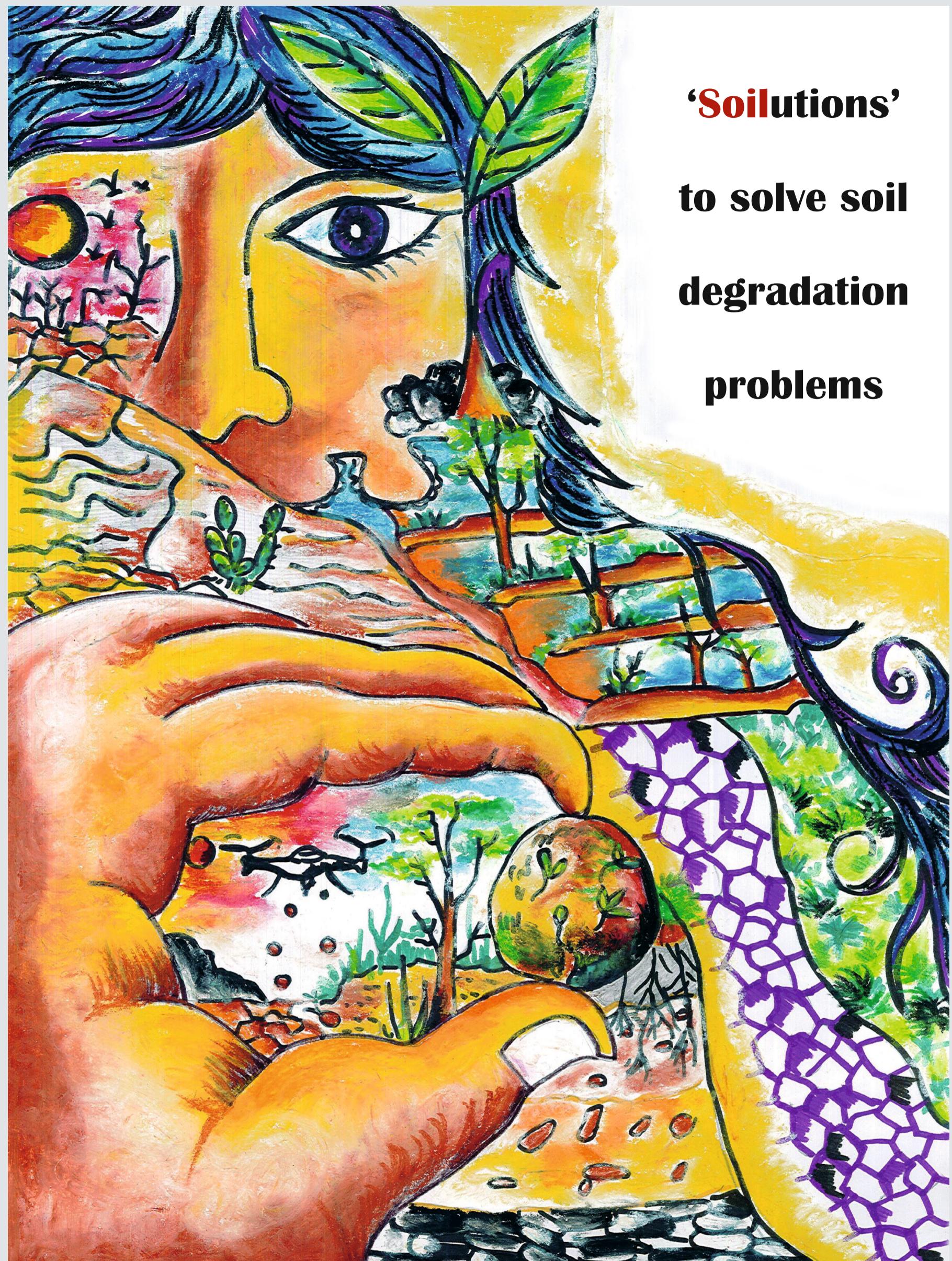
Global soil icon



International
Decade of Soils
2015-2024

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

FE
BR
U
A
R
Y



'Soilutions'
**to solve soil
degradation
problems**

1	10	19	28
2	11	20	29
3	12	21	
4	13	22	
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences

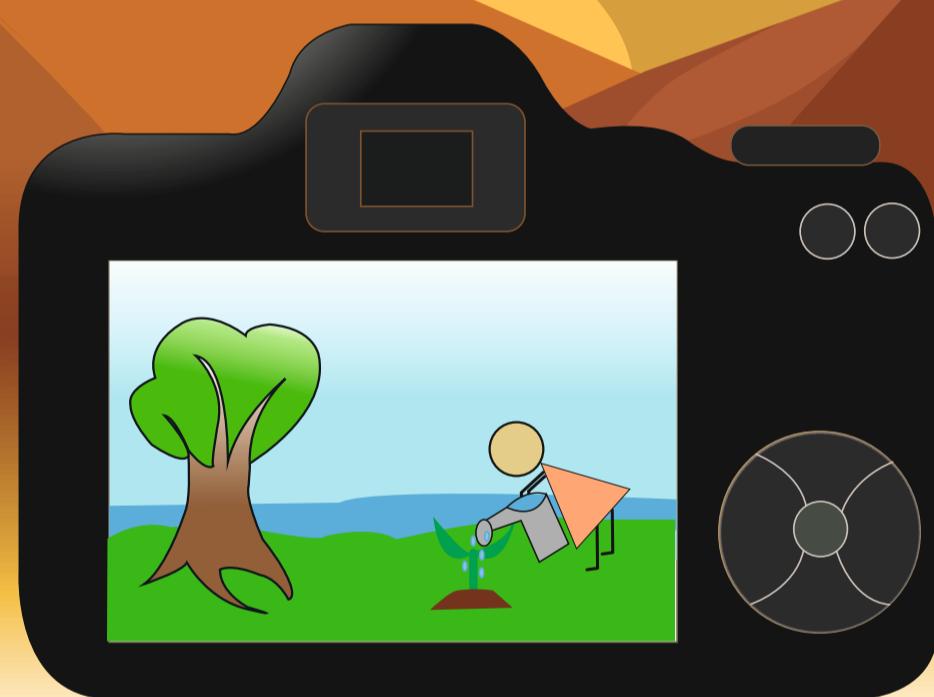


Global soil icon



International
Decade of Soils
2015-2024

“Soilutions” *to solve soil degradation problems*



Our soil as a memory is
unforgivable

MARCH
I

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences

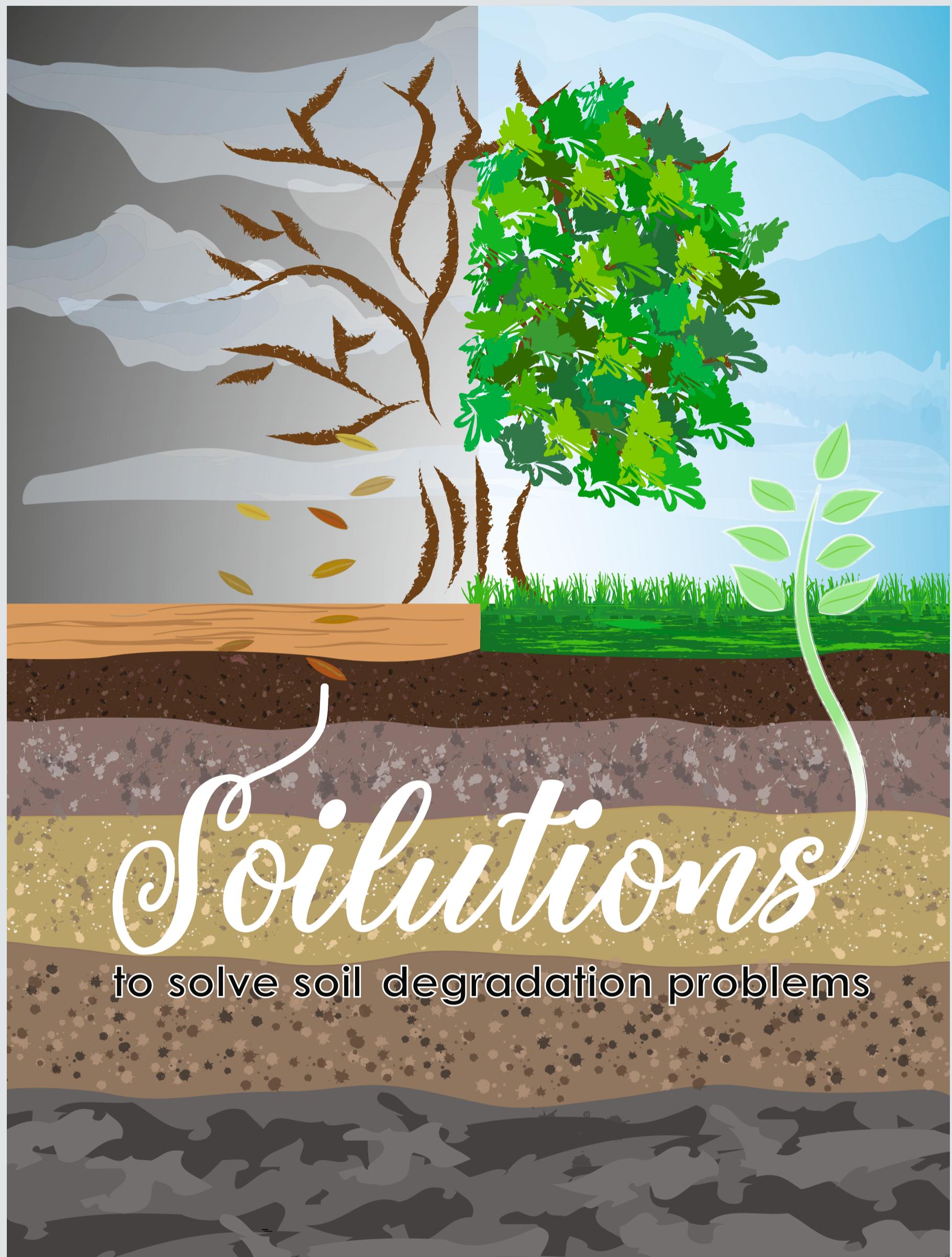


Global soil icon



International
Decade of Soils
2015-2024

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



Solutions

to solve soil degradation problems

A
P
R
I
L

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



Global soil icon



International
Decade of Soils
2015-2024

KAWA



Because life starts from below

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



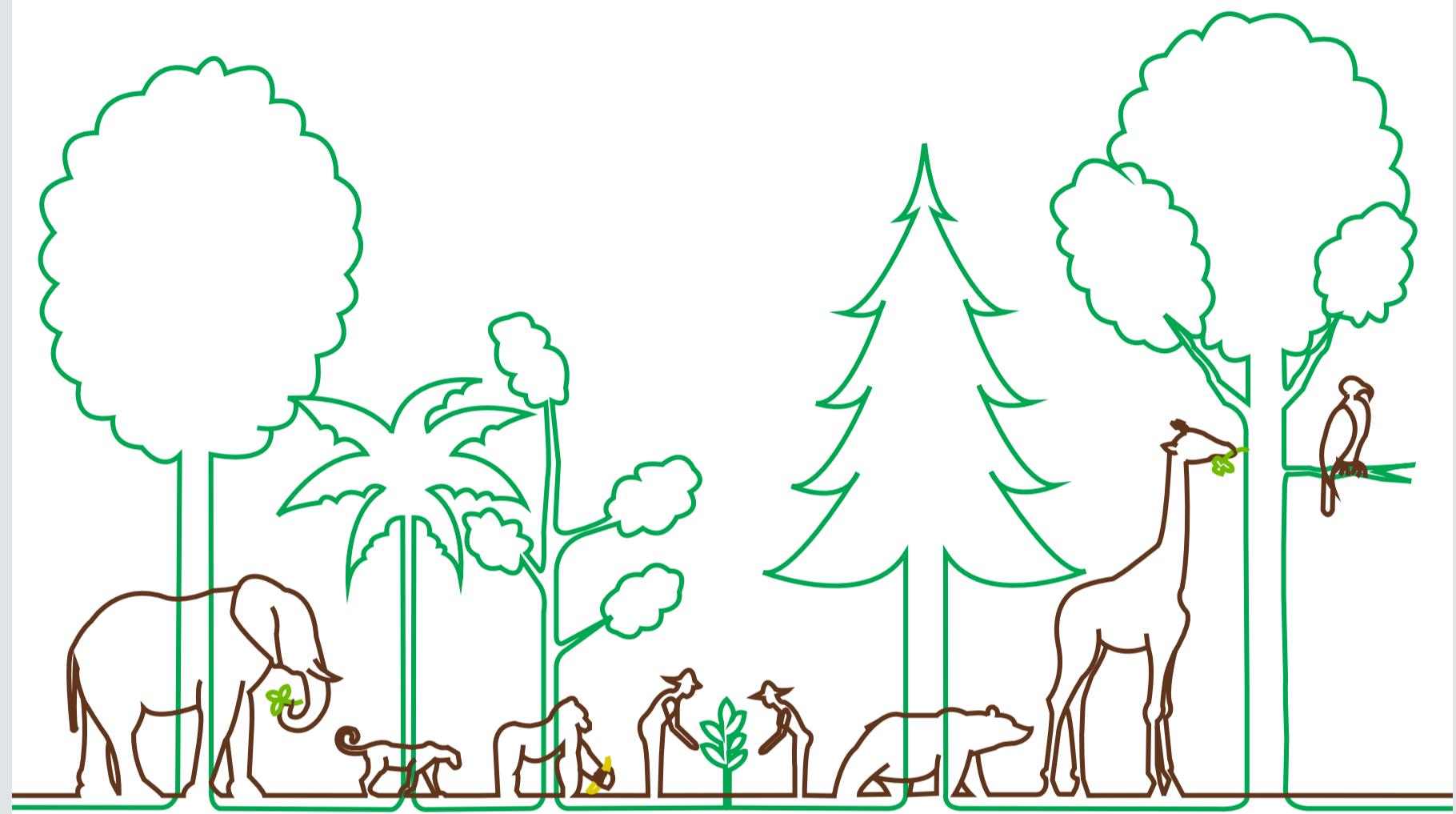
Global soil icon



International
Decade of Soils
2015-2024

Soilutions

TO SOLVE SOIL DEGRADATION PROBLEMS



JUNE

Take care of soils, Take care of life.

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



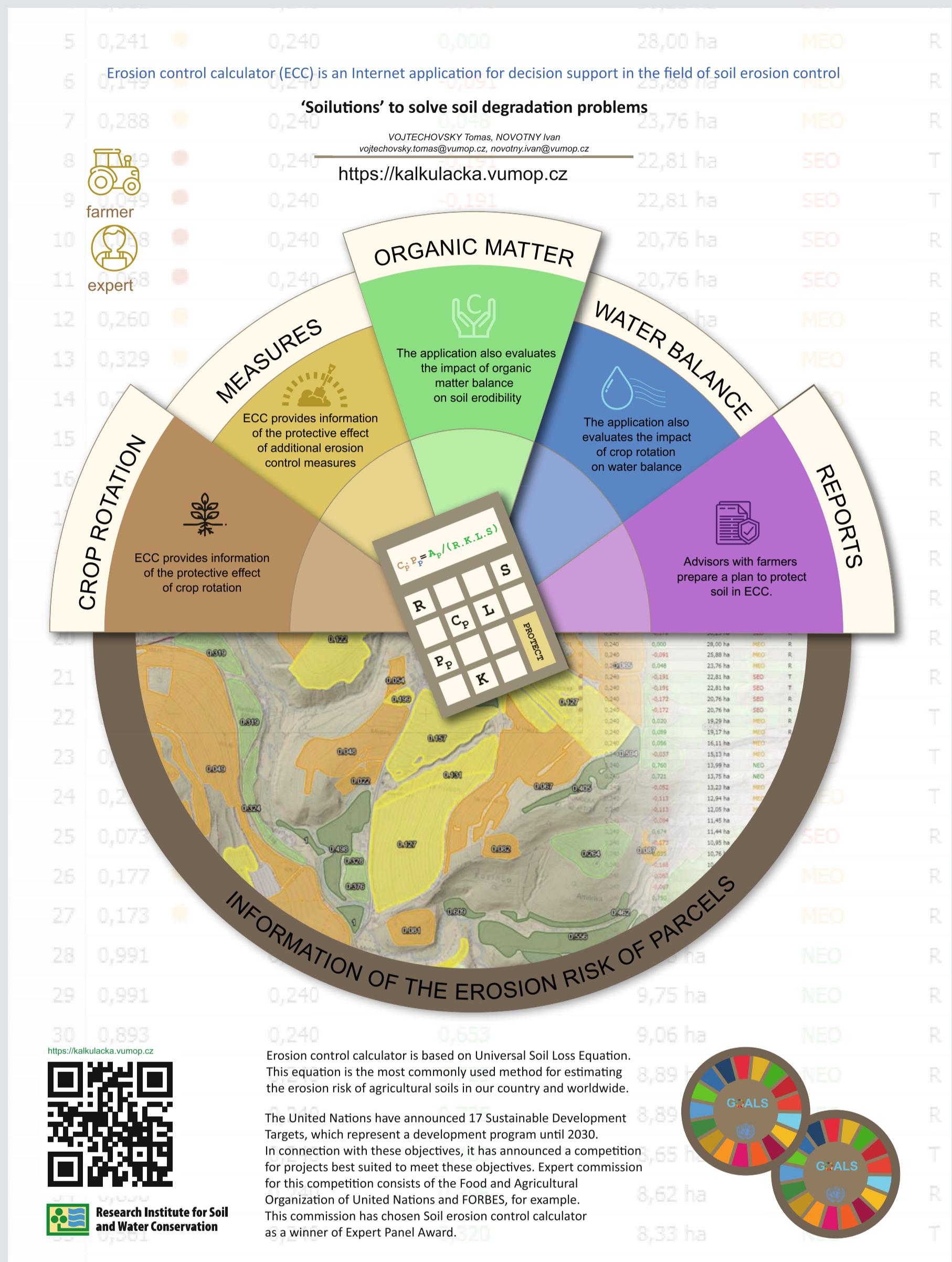
International Union
of Soil Sciences



Global soil icon



International
Decade of Soils
2015-2024



1	.....	10	.....	19	.....	28	.....
2	.....	11	.....	20	.....	29	.....
3	.....	12	.....	21	.....	30	.....
4	.....	13	.....	22	.....	31	.....
5	.....	14	.....	23	.....	
6	.....	15	.....	24	.....	
7	.....	16	.....	25	.....	
8	.....	17	.....	26	.....	
9	.....	18	.....	27	.....	
10	.....	19	.....	28	.....	
11	.....	20	.....	29	.....	
12	.....	21	.....	30	.....	
13	.....	22	.....	31	.....	
14	.....	23	.....			
15	.....	24	.....			
16	.....	25	.....			
17	.....	26	.....			
18	.....	27	.....			
19	.....	28	.....			
20	.....	29	.....			
21	.....	30	.....			
22	.....	31	.....			
23	.....					
24	.....					
25	.....					
26	.....					
27	.....					
28	.....					
29	.....					
30	.....					

AUGUST

'SOILUTIONS' TO SOLVE SOIL DEGRADATION PROBLEMS



*Treat Soils and Hearts carefully...
It takes much time to heal them..., they are difficult to recover...
and it is almost impossible to make them the same again...*

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



Global soil icon



International
Decade of Soils
2015-2024

SEPTEMBER

'Soilutions' to solve soil degradation problems

CARING LITTLE HANDS



1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



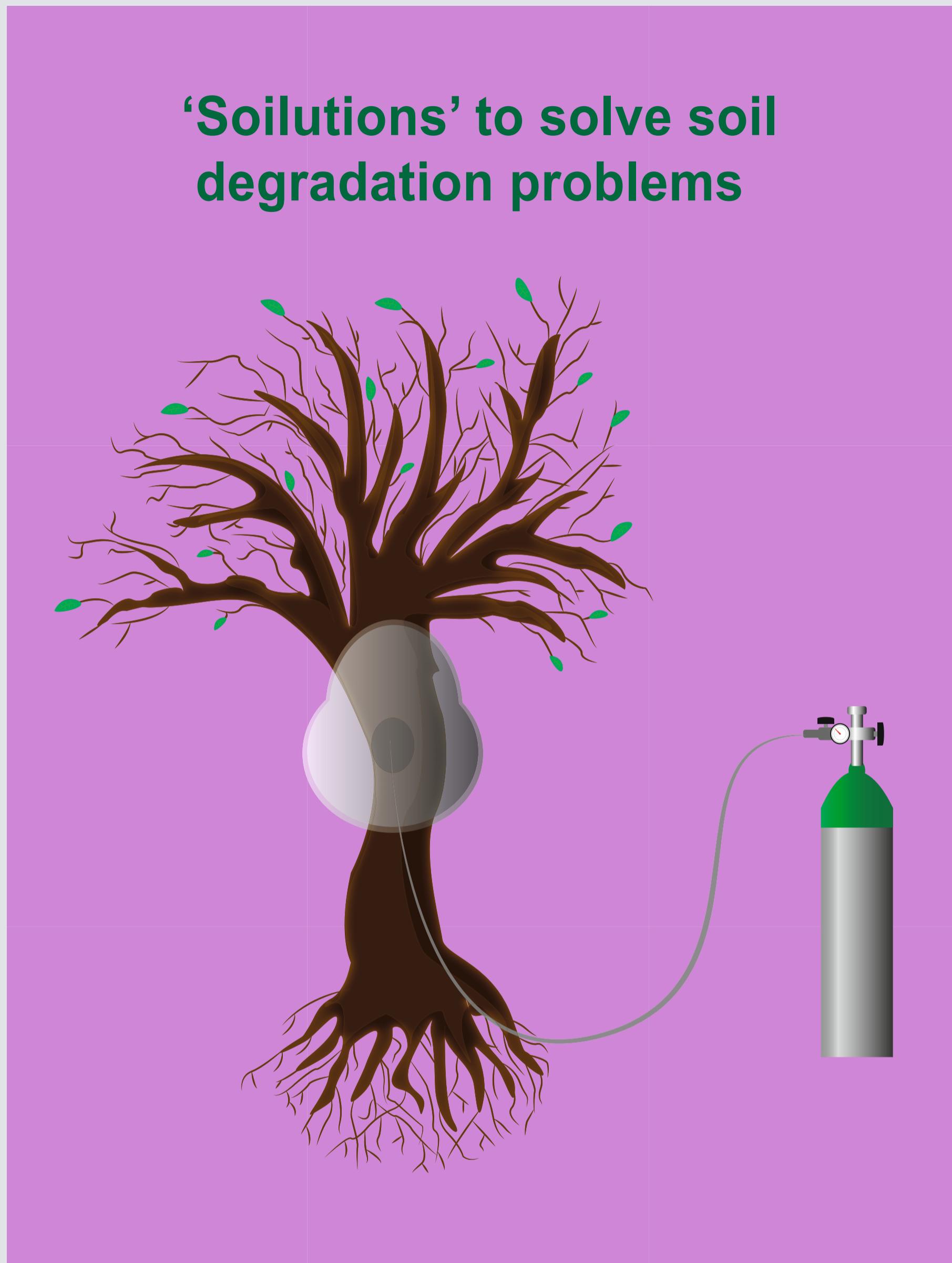
Global soil icon



International
Decade of Soils
2015-2024

'Soilutions' to solve soil degradation problems

OCTOBER



1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



Global soil icon

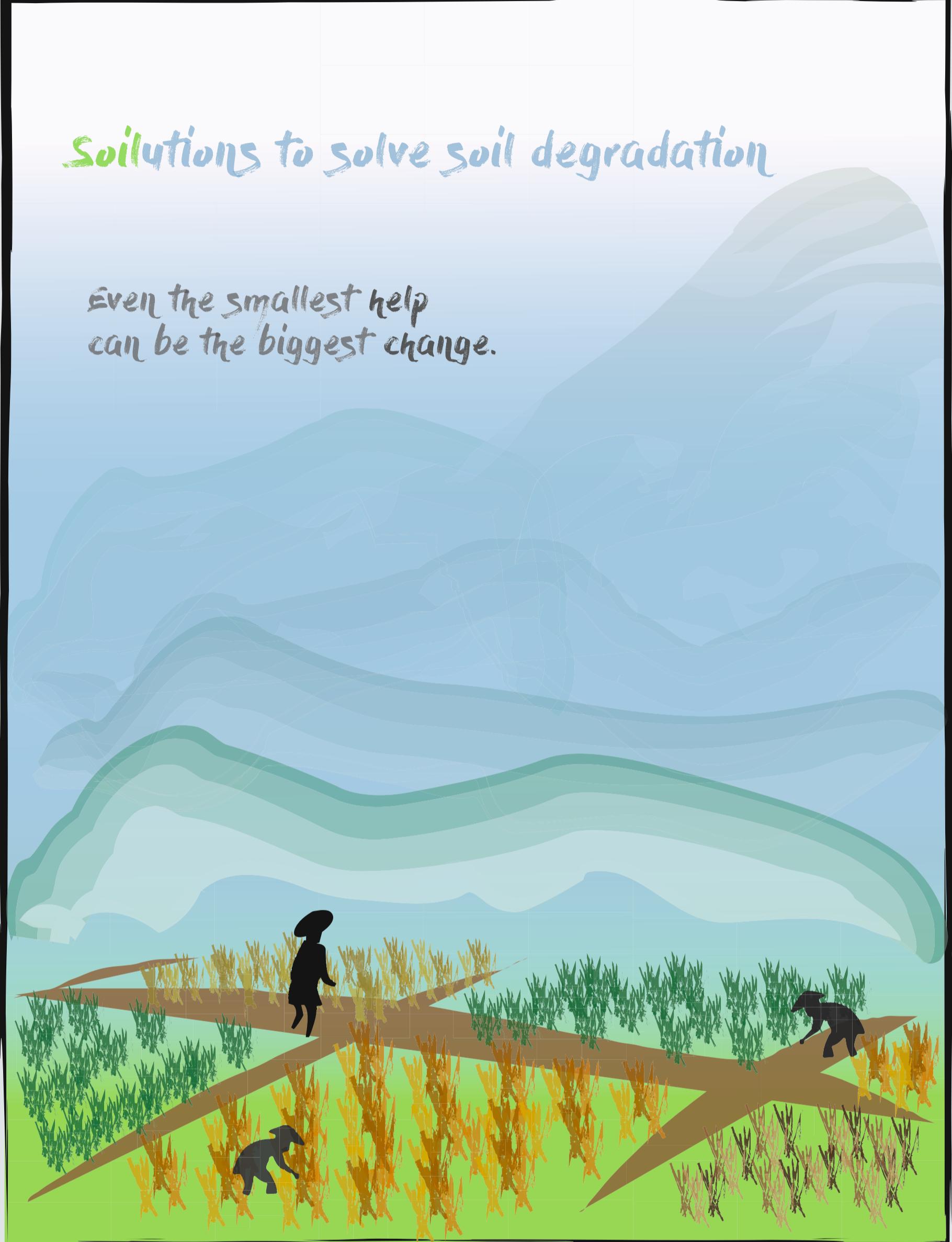


International
Decade of Soils
2015-2024

NOVEMBER

Solutions to solve soil degradation

Even the smallest help
can be the biggest change.



1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



Global soil icon



International
Decade of Soils
2015-2024

DECEMBER

SOLUTIONS

WATER USAGE AND FOOD

Higher excise duties on meat
Lower prizes on vegetables



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.

DRINKING WATER



The saved water can be used for:

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

BE AWARE OF YOUR WATER USAGE

GREEN NEIGHBOURHOODS

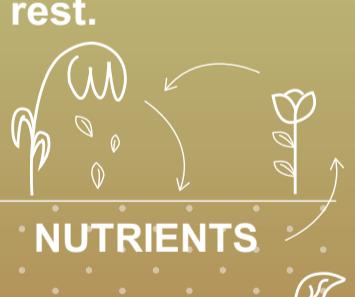
WE ❤ GREEN

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 cycle of vegetation and their nutrients. Keep away from pesticides and let the nature take care of the rest.



NUTRIENTS

1	10	19	28
2	11	20	29
3	12	21	30
4	13	22	31
5	14	23	
6	15	24	
7	16	25	
8	17	26	
9	18	27	



International Union
of Soil Sciences



Global soil icon



International
Decade of Soils
2015-2024