‘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

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.

International Union of Soil Sciences

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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
degradation
problems
“Soilutions”

to solve soil degradation problems

Our soil as a memory is unforgivable
Soilutions
to solve soil degradation problems
It's not just for your feet, ¡It's Life!

Because life starts from below
Soilutions
TO SOLVE SOIL DEGRADATION PROBLEMS

Take care of soils, Take care of life.

Poster Design by
Raquel Robledo Esquivias

International Union
of Soil Sciences

Global soil icon

International Decade of Soils
2015-2024
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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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.

ECC provides information of the protective effect of additional erosion control measures

ECC provides information of the protective effect of crop rotation

The application also evaluates the impact of organic matter balance on soil erodibility

The application also evaluates the impact of crop rotation on water balance

Advisors with farmers prepare a plan to protect soil in ECC.

The application also evaluates the impact of crop rotation on water balance.

The application also evaluates the impact of crop rotation on water balance.

Informations on the protective effect of crop rotation.

The application also evaluates the impact of crop rotation on water balance.

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‘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...
'Soilutions' to solve soil degradation problems

CARING LITTLE HANDS

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

Even the smallest help can be the biggest change.
To produce a salad (tomato, lettuce and cucumber) about 70 liters of water is necessary. While steak needs about 2550 liters of water, according to the Water Foodprint Calculator.

**GREEN NEIGHBOURHOODS**

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 kinds of insects and improve the organic soil.

Higher excise duties on meat

Lower prizes on vegetables

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.

The saved water can be used for:
- repairing degraded soil
- drinking water
- vegetables and cereals
- and much more...

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

**WE ♥ GREEN**

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BE AWARE OF YOUR WATER USAGE

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