



EUROPEAN REGIONAL DEVELOPMENT FUND

Projekt Links4Soils

Alpsko partnerstvo za tla

*Linking Alpine Soil Knowledge for
Sustainable Ecosystem Management and
Capacity Building*

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Kmetijski inštitut Slovenije

Caring for Soils – Where Our Roots Grow.



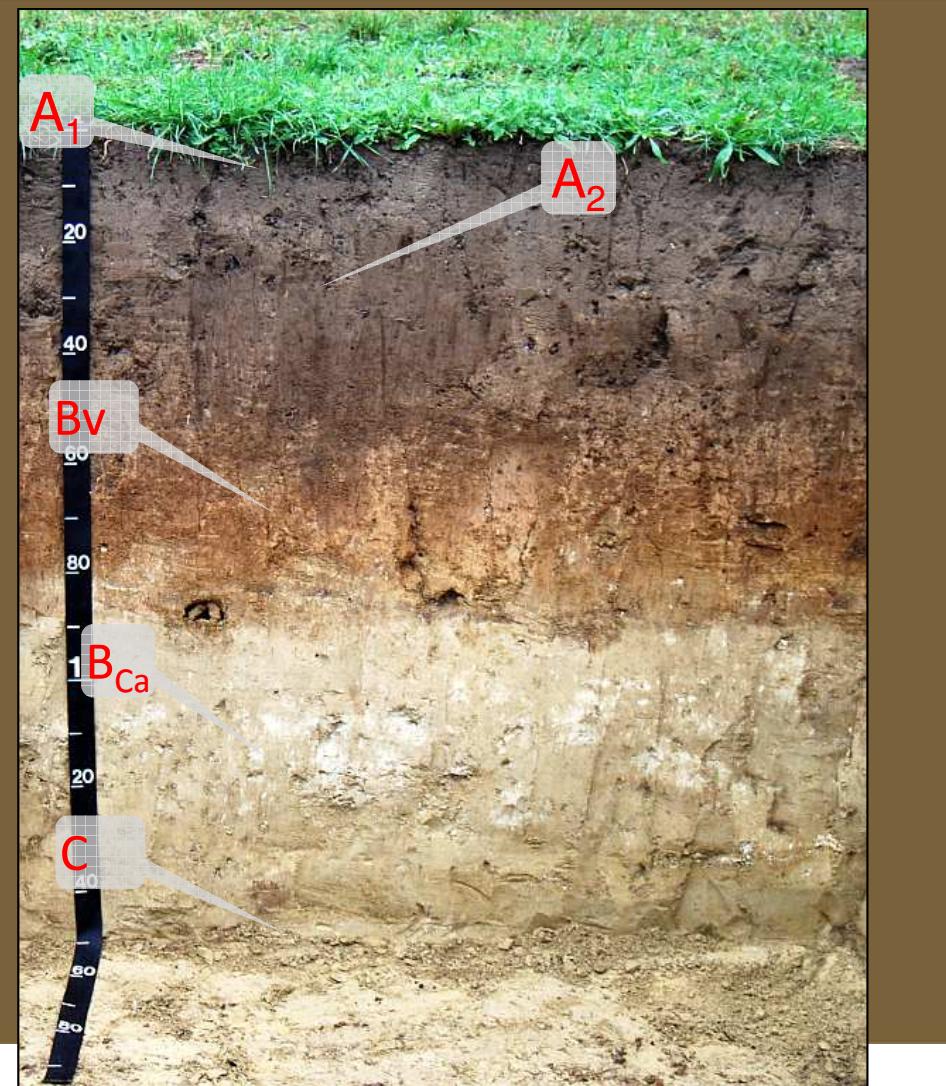
Tla,
Naravni viri, ekologija
Trajnostno upravljanje

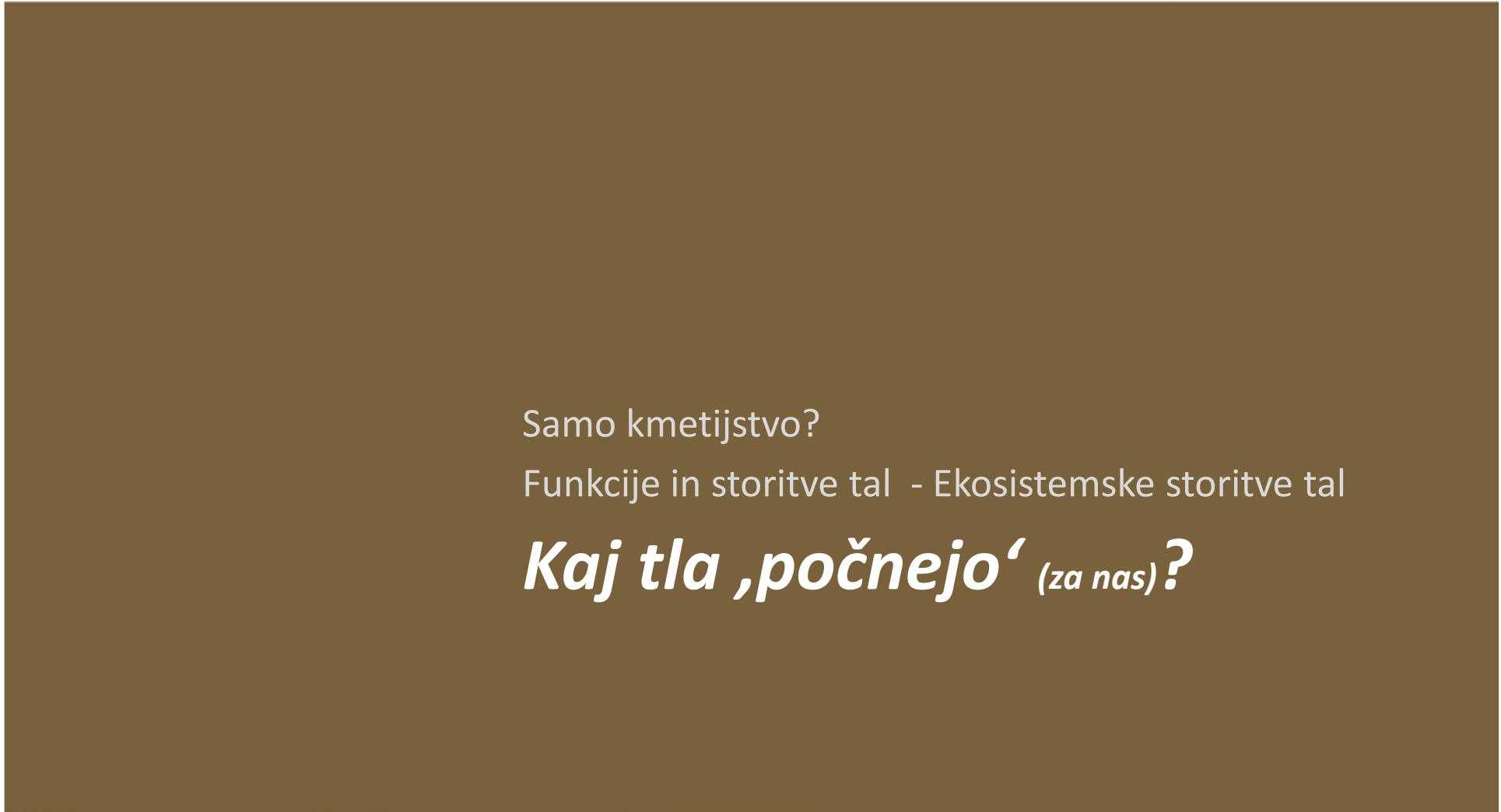
O TEMATIKI...

O tleh

Kaj so tla?

- **So naravno telo.** Nastajajo s preperevanjem kamnin, nastankom in akumulacijo organske snovi.
- Sestavljena iz mineralne in organske snovi, tekoče in plinaste faze.
- **Grajena iz slojev – horizontov**, ki imajo različne fizikalne, kemijske in biotske lastnosti.
- **So rodovitna** ← ključna lastnost.
- Medij/pogoj in za obstoj rastlin in živali.
- Prostor, pridelave biomase (hrana, les, surovine, energ.rastline, ...)
- **Pedosfera** - življenjski prostor organizmov...





Samo kmetijstvo?

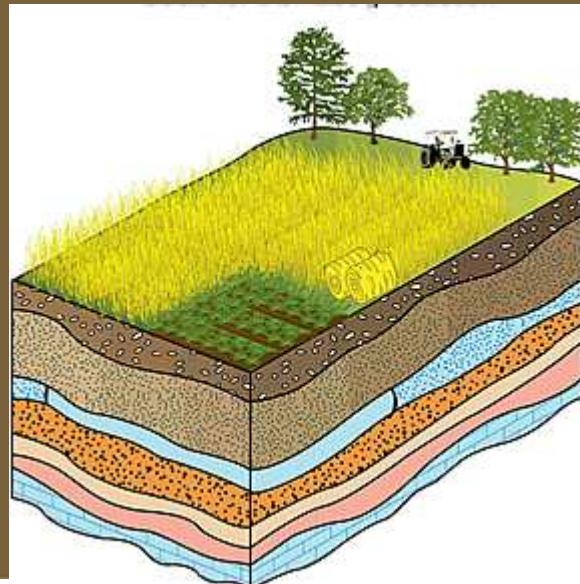
Funkcije in storitve tal - Ekosistemske storitve tal

Kaj tla ‚počnejo‘ (za nas)?

Proizvodne in okoljske storitve tal

Omogočajo rast in razvoj rastlin

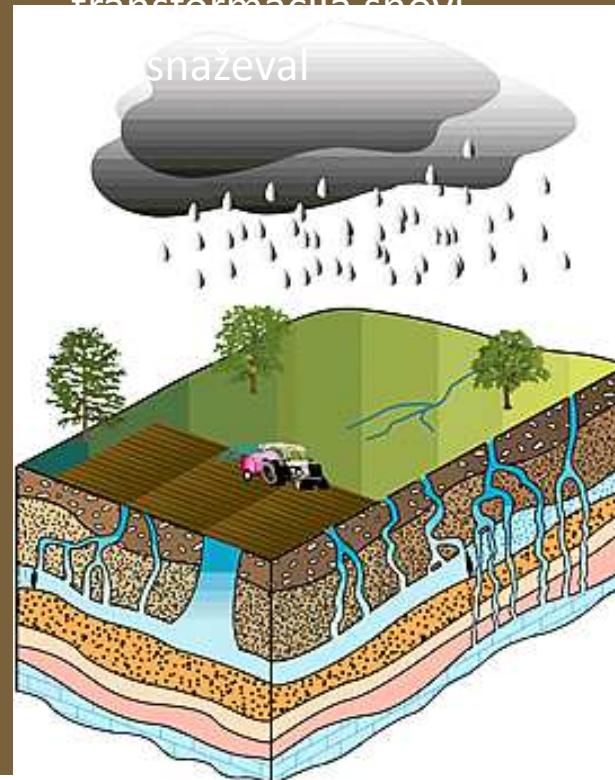
- Pridelava biomase; hrana, krma, les, vlakna kmetijstvo gozdarstvo
- **RODOVITNOST TAL**



B. Vrščaj

Filtriranje / čiščenje voda

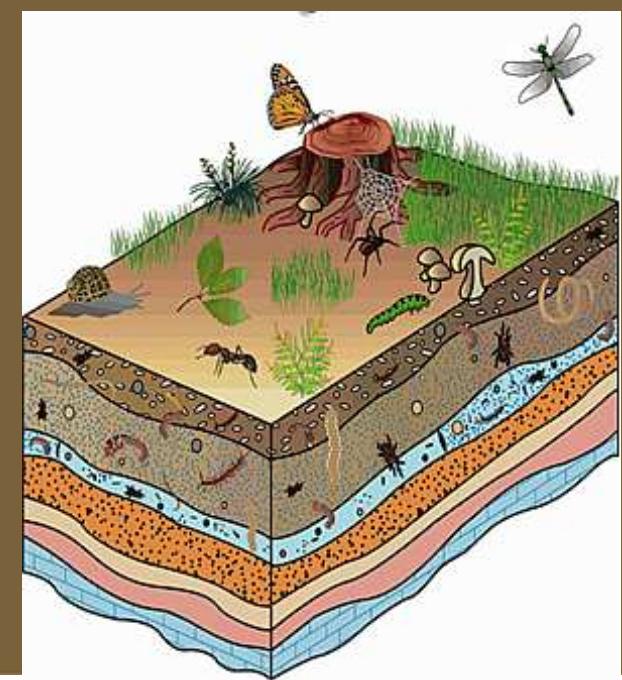
- Filtracija, nevtralizacija, transformacija snovi snaževal



Delavnica - EU sredstva za projekte izboljšanja stanja tal v okolju

Habitat; biološko okolje; skladišče genov

- Kroženje C, pretvorba N antibiotiki, zdravila proti raku; biotska pestrost tal

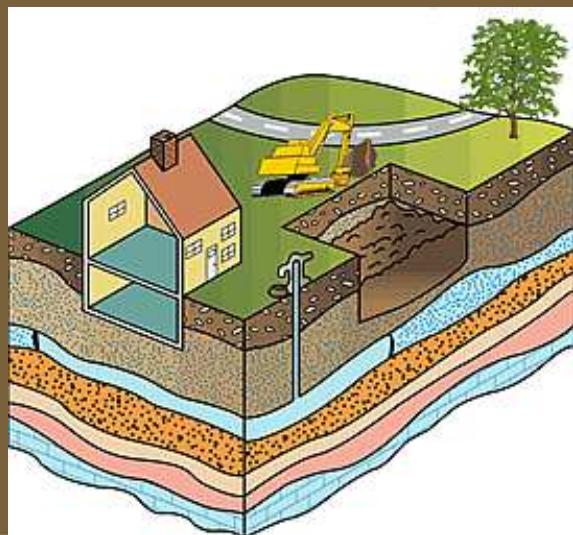


Ljubljana, 12. 12. 2018

Prostorske storitve tal

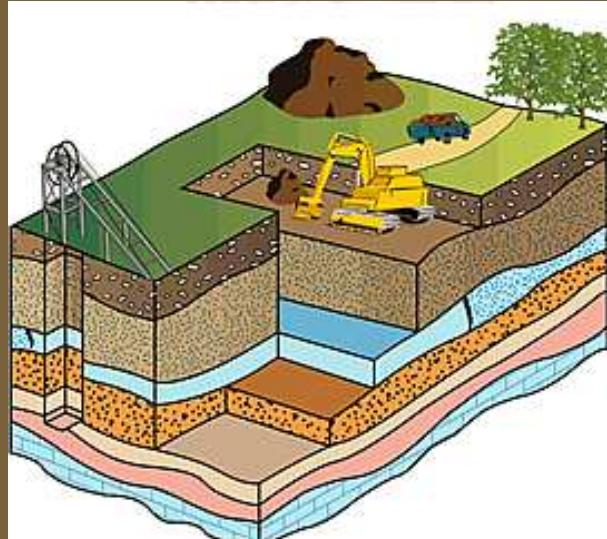
Prostor za človekove dejavnosti

- poselitev, bivanje,
- infrastruktura
- prosti čas



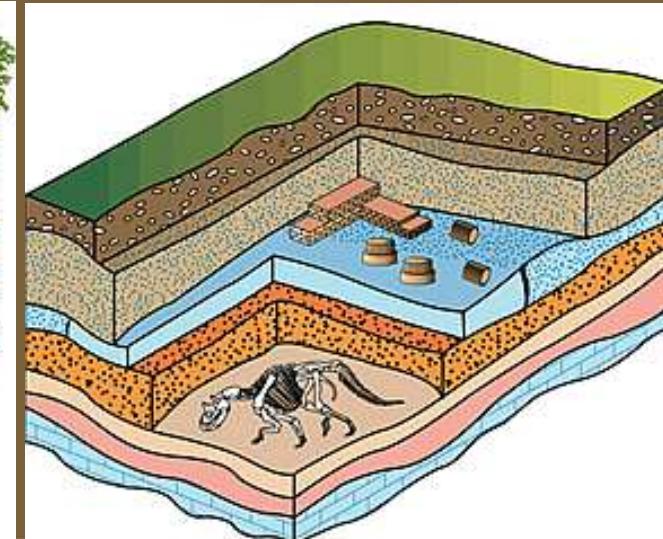
Vir surovin

- gramoz, pesek, glina,
- šota, voda
- energija



Arhivska funkcija

- hranijo naravno in kulturno dediščino.
- so lahko naravna dediščina.

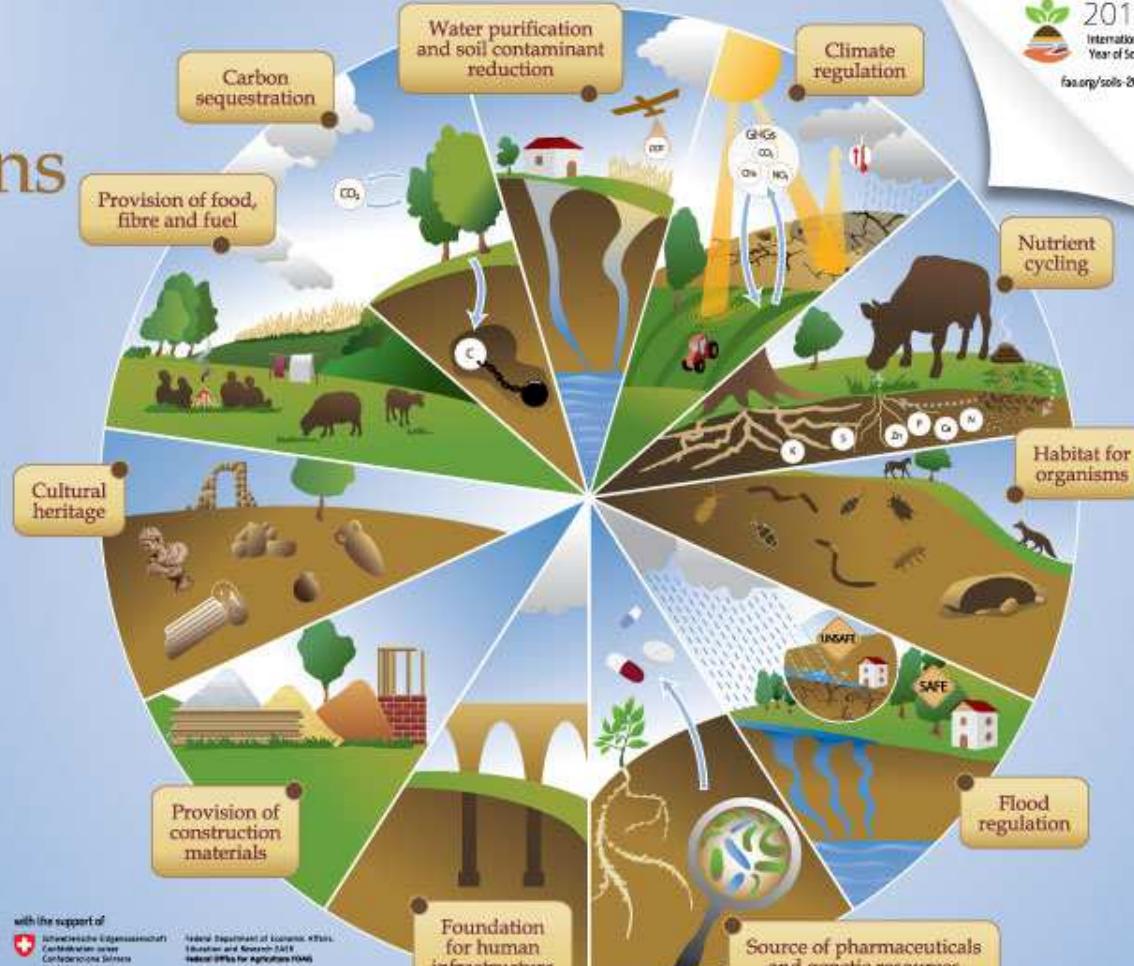


FAO: funkcije tal, ekosistemske storitve tal



Soil functions

Soils deliver
ecosystem
services
that enable
life on Earth



USDA

Ekosistemske storitve tal

- Tla so multifunkcionalna.
- Niso samo prostor kmetijstva, gozdarstva,
- opravljajo ključne okoljske storitve,
- omogočajo življenje na kopnem.

- Tla so sestavni, bistven del okolja in s tem narave.

- Vprašanje pa je,
ali so tako tudi prepoznana!

Soil Ecosystem Services

An ecosystem service is a benefit to society derived from a healthy ecosystem property or process

Soil provides a wide diversity of ecosystem services



Soil is an invaluable resource that sustains civilization

...če so tla tako zelo koristna,

KAKO RAVNAMO S TLEMI?

Erozija na kmetijskih zemljiščih



B. Vrščaj

Zeleno in modro: okolje, stičišče ved in propstislovij

Velenje, 06. 12. 2018

Erozija



Izguba organske snovi, erozija in zaskorjenje



B. Vrščaj

Zeleno in modro: okolje, stičišče ved in propstislovij

Velenje, 06. 12. 2018

Zbijanje tal



B. Vrščaj

Zeleno in modro: okolje, stičišče ved in propstislovij

Velenje, 06. 12. 2018

Zbijanje tal



B. Vrščaj

Zeleno in modro: okolje, stičišče ved in propstislovij

Velenje, 06. 12. 2018

Links4Soils: Caring for Soils – Where Our Roots Grow.

Spiranje

in zakisanje tal



B. Vrščaj

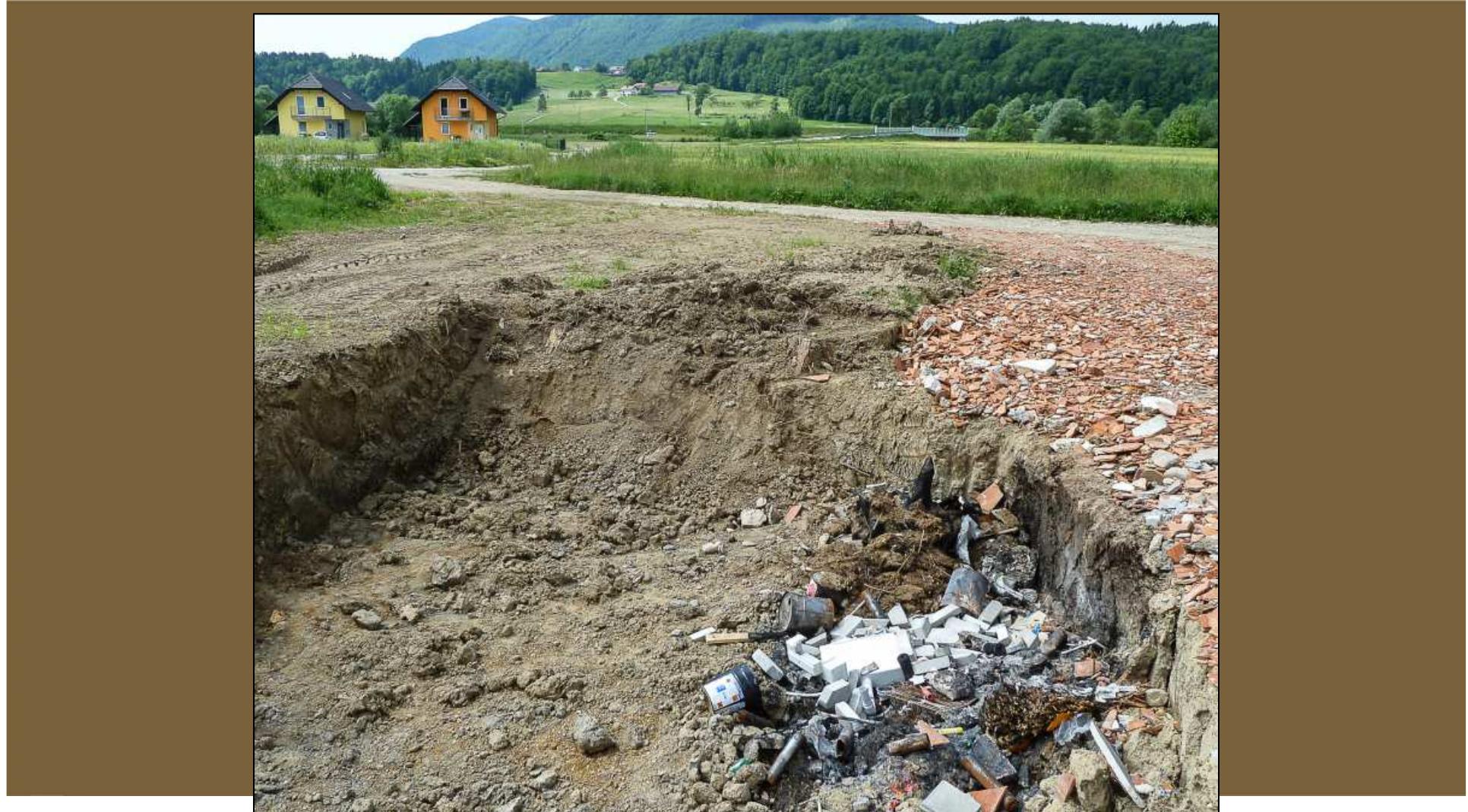
Zeleno in modro: okolje, stičišče ved in pristislovij

Velenje, 06. 12. 2018.

Zaslanjenje tal



Onesnaževanje tal



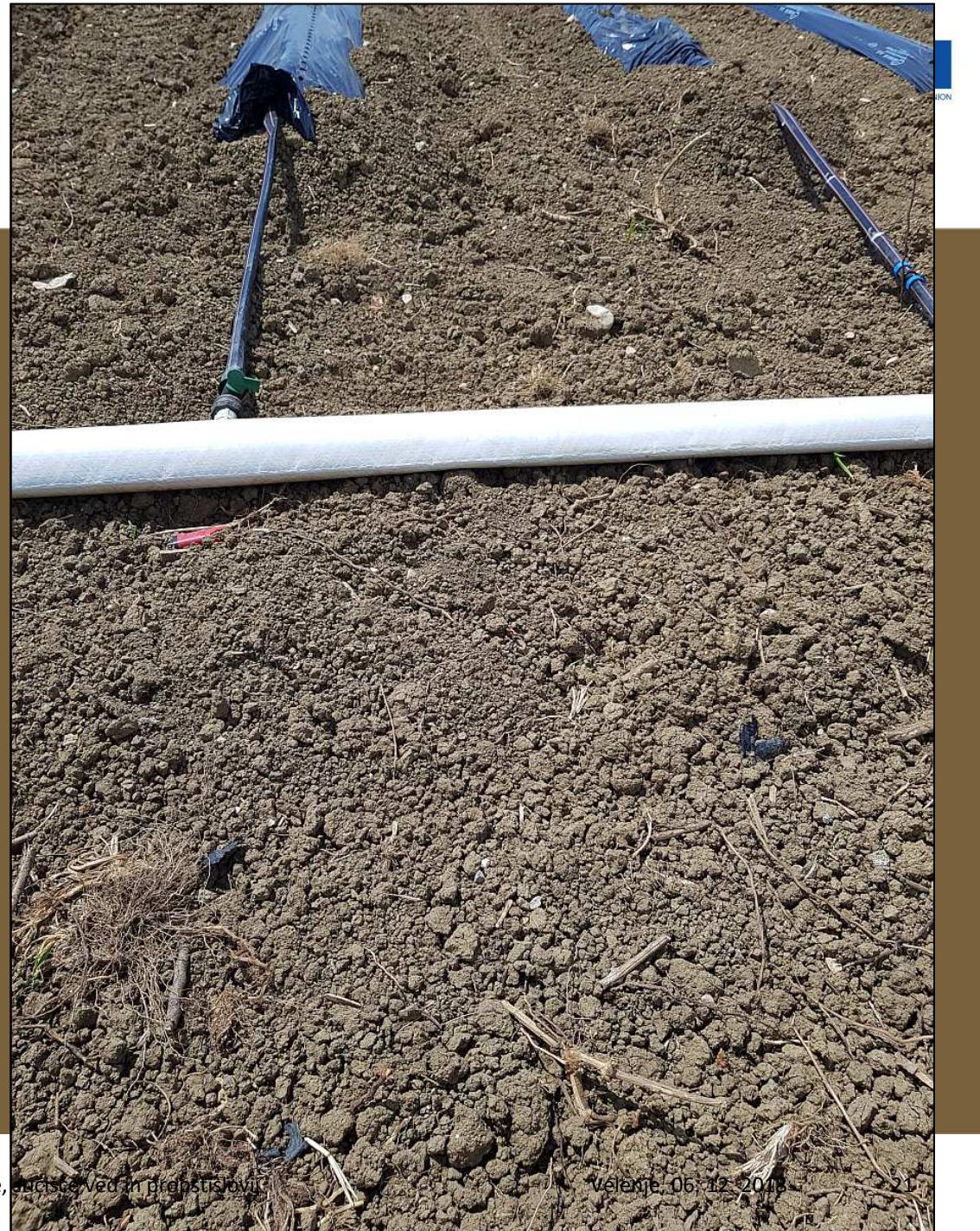
Onesnaževanje tal



Onesnaževanje tal



Onesnaževanje tal



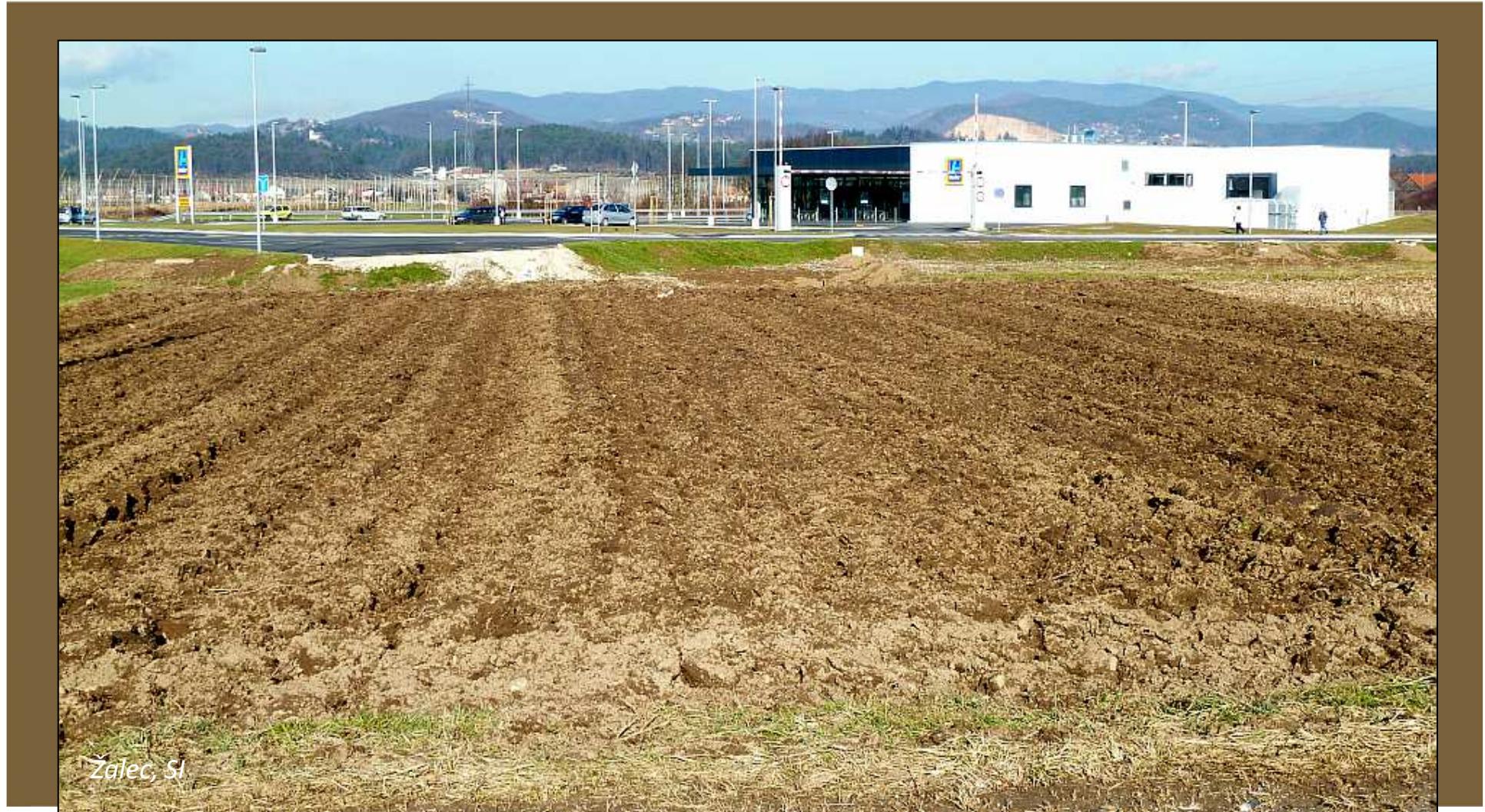
B. Vrščaj

Zeleno in modro: okolje, sredstva vedenja in prehodstvovali

Velenje, 06. 12. 2018

21

Pozidava tal – dokončno uničenje



B. Vrščaj

Zeleno in modro: okolje, stičišče ved in propstislovij

Velenje, 06. 12. 2018

Pozidujemo najboljša kmetijsko/okoljska tla



Žal

..in se ne (znamo/moremo) omejiti



Povzetek o tleh

- Tla opravljajo ključne okoljske ekosistemski storitve
razmišljamo le o proizvodnih storitvah (hrana, les...?)
- Pedosfera – poseben in pomemben življenjski prostor
- Trije osnovni mediji: zrak – voda – tla
- ...
- **Varovanje okolja in narave –
zagotavljanje ekosistemskih storitev tal.**
- **Trajnostni razvoj -
varovanje in trajnostna raba tal kot naravnega vira**
- → degradacije tal prepoznan problem svetovnih razsežnosti

globalna
evropska
alpska
nacionalna
raven

MEDNARODNE AKTIVNOSTI IN POBUDE ZA VAROVANJE IN TRAJNOSTNO UPRAVLJANJE TAL



The screenshot shows the homepage of the Global Soil Partnership. The header features the UN-FAO logo, the Global Soil Partnership logo, and the European Union flag. The main banner highlights the "GLOBAL SOIL PARTNERSHIP" and the "2015 International Year of Soils". A central text box announces the "Status of the World's Soil Resources Report" to be released on December 4, 2015, with a link to "Read more". Below this is a photograph of a woman in a yellow shirt and red skirt working in a field. A navigation menu on the left includes links to FAO Home, Global Soil Partnership, Why the partnership?, Mandate & Rules of procedure, The 5 pillars of action, Partners, Plenary Assembly, Intergovernmental Technical Panel on Soils, Regional partnerships, Healthy Soils Facility, World Soil Day, IYS 2015, News & Events Archive, and Information Resources. The footer contains sections for Upcoming events (NENA Soil Partnership) and Latest News (Alianza por el Suelo).

Global & European Soil Partnership



5 stebrov delovanja ESP

The 5 pillars of action



Soil management



Awareness raising



Research

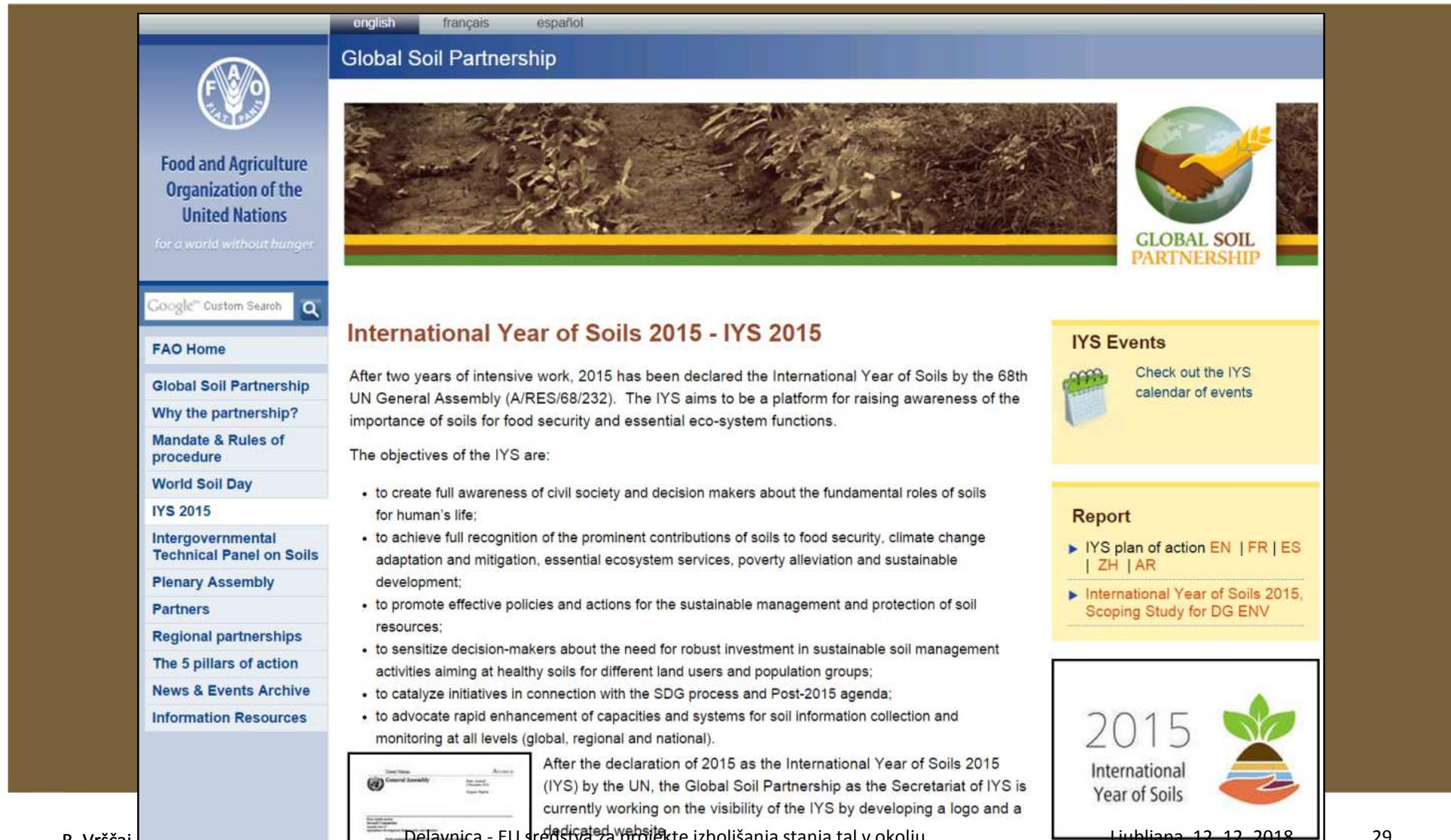


Information and data



Harmonization

Mednarodno leto tal 2015



The screenshot shows the homepage of the Global Soil Partnership website. The top navigation bar includes links for English, français, and español. The main header "Global Soil Partnership" is displayed above a large image of soil. To the right of the image is the "GLOBAL SOIL PARTNERSHIP" logo, which features a globe with hands shaking over it. Below the logo is a "Check out the IYS calendar of events" link with a calendar icon. On the left side, there is a sidebar with various links: FAO Home, Global Soil Partnership, Why the partnership?, Mandate & Rules of procedure, World Soil Day, IYS 2015, Intergovernmental Technical Panel on Soils, Plenary Assembly, Partners, Regional partnerships, The 5 pillars of action, News & Events Archive, and Information Resources. A small inset at the bottom left shows a document from the United Nations General Assembly. The central content area discusses the International Year of Soils 2015 (IYS 2015), its objectives, and its role in raising awareness of soil importance. It also lists the objectives of the IYS. At the bottom right, there is a graphic for the "2015 International Year of Soils" featuring a stylized green plant growing out of a colorful base.

International Year of Soils 2015 - IYS 2015

After two years of intensive work, 2015 has been declared the International Year of Soils by the 68th UN General Assembly (A/RES/68/232). The IYS aims to be a platform for raising awareness of the importance of soils for food security and essential eco-system functions.

The objectives of the IYS are:

- to create full awareness of civil society and decision makers about the fundamental roles of soils for human's life;
- to achieve full recognition of the prominent contributions of soils to food security, climate change adaptation and mitigation, essential ecosystem services, poverty alleviation and sustainable development;
- to promote effective policies and actions for the sustainable management and protection of soil resources;
- to sensitize decision-makers about the need for robust investment in sustainable soil management activities aiming at healthy soils for different land users and population groups;
- to catalyze initiatives in connection with the SDG process and Post-2015 agenda;
- to advocate rapid enhancement of capacities and systems for soil information collection and monitoring at all levels (global, regional and national).

After the declaration of 2015 as the International Year of Soils 2015 (IYS) by the UN, the Global Soil Partnership as the Secretariat of IYS is currently working on the visibility of the IYS by developing a logo and a dedicated website.

Delavnica - FU sredstva za projekte izboljšanja stanja tal v okolju

I jubljana, 12. 12. 2018

5. December

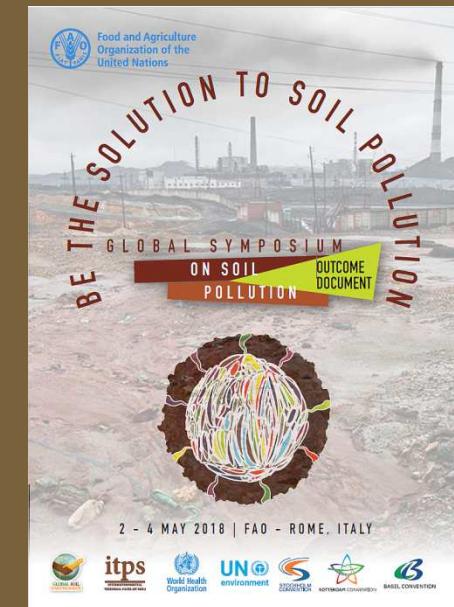
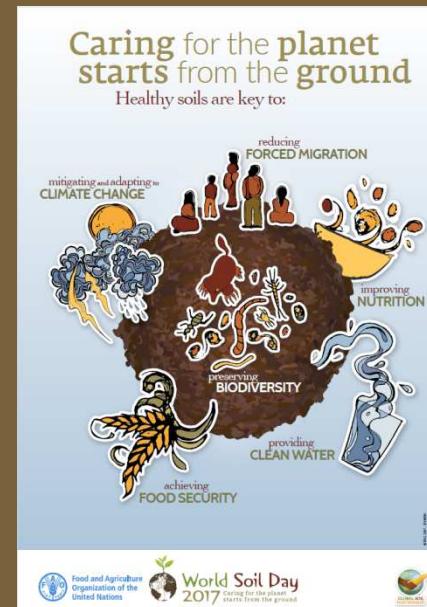
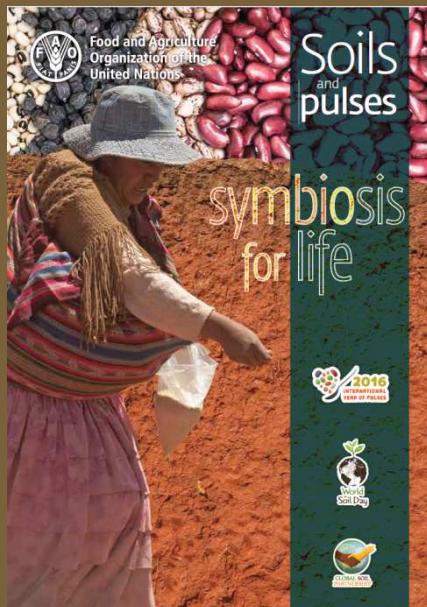
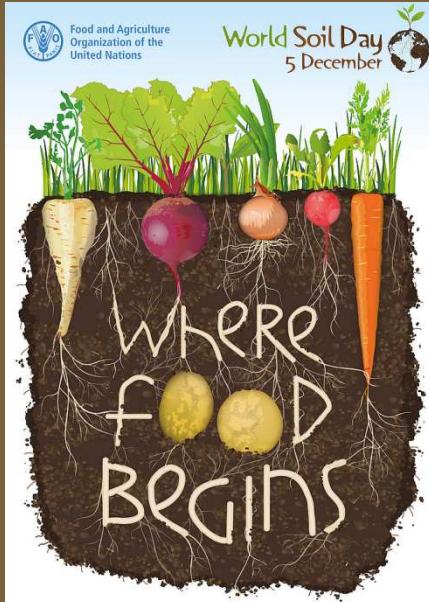
– Svetovni dan tal OZN



The screenshot shows the official website for World Soil Day. At the top, the FAO logo and name are displayed, along with a search bar and navigation links for About FAO, In Action, Countries, Themes, Media, Publications, Statistics, and Partnerships. Below the header, there are language links for Arabic, 中文, English, Français, Русский, and Español. The main content area features a large photograph of a diverse group of people, mostly women and children, gathered outdoors in a rural setting, possibly a market or a community meeting. A banner below the photo reads "It's official: WSD 2017 was the most outstanding ever!" and provides a summary of the campaign's success. To the right of the banner is the logo for the Global Soil Partnership, which consists of two hands shaking over a globe.

5. December

– Svetovni dan tal OZN

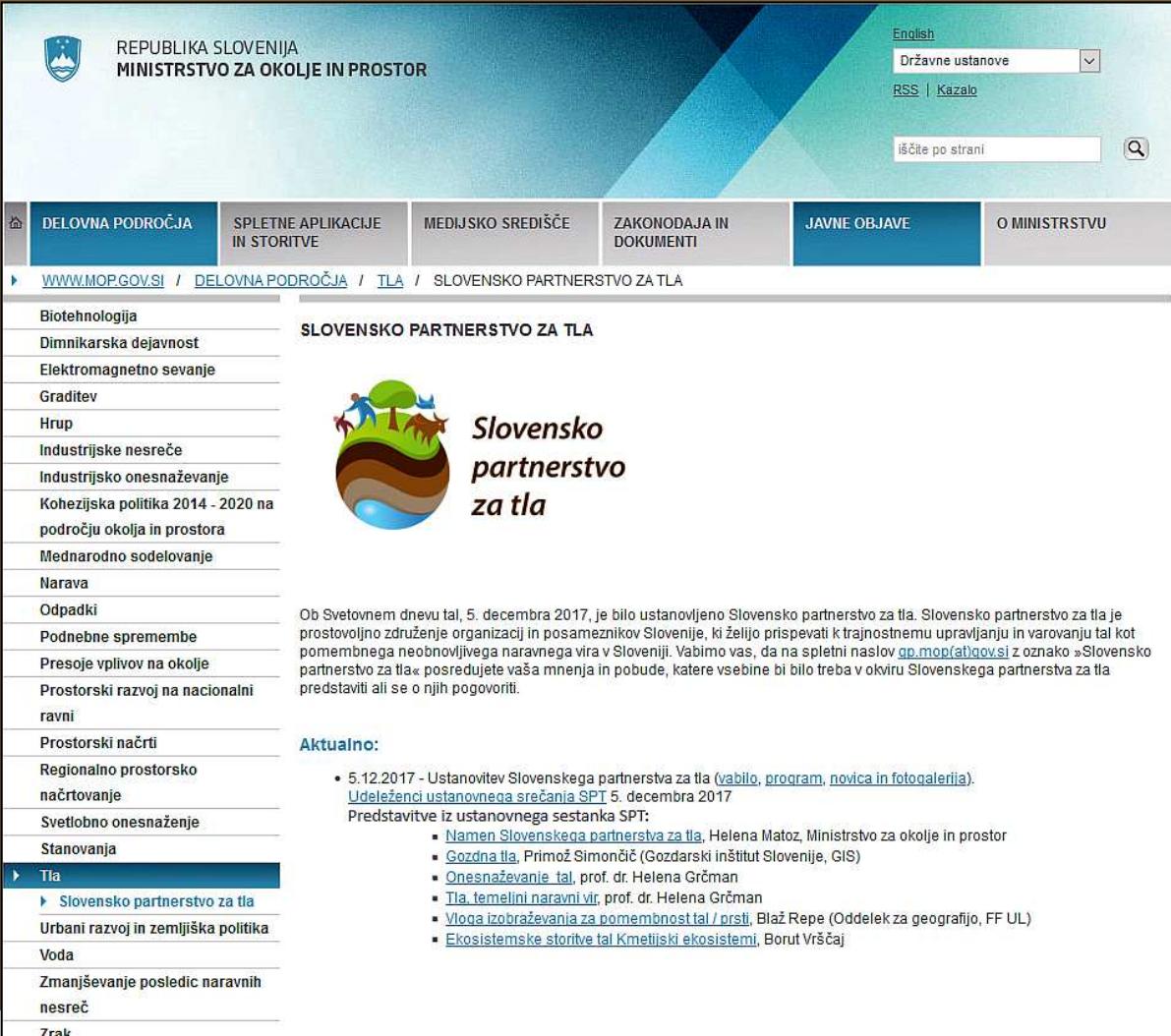


*Znanstvena skupnost:
Mednarodno desetletje tal 2015 - 2024*



The screenshot shows the IUSS homepage with a banner at the top featuring a close-up image of soil and rocks, and the text "Soil stores 10% of the world's carbon dioxide emissions." Below the banner is a navigation bar with social media links (Facebook, LinkedIn, Print). The main menu on the left includes links to Home, About the IUSS, Organisation & People, International Year of Soils 2015, International Decade of Soils, Personal Histories, IUSS Book Series, Meetings & Events, Newsroom, World of Soils, Publications, Soils 4 U, Jobs, and Contact & Legal Notice. The right side features a large section for the International Decade of Soils 2015-2024, which includes the IUSS logo, the text "International Decade of Soils 2015-2024", and a statement about the proclamation of the decade. The statement highlights the key roles of soils in addressing major global challenges and the continuation of IUSS members' work towards the Centenary of the organization in 2024.

Slovensko partnerstvo za tla



The screenshot shows the official website of the Slovenian Ministry of Environment and Spatial Planning (MOP). The main navigation bar includes links for 'DELOVNA PODROČJA', 'SPLETNE APLIKACIJE IN STORITVE', 'MEDIJSKO SREDIŠČE', 'ZAKONODAJA IN DOKUMENTI', 'JAVNE OBJAVE', and 'O MINISTRSTVU'. The 'DELOVNA PODROČJA' menu is expanded, showing various environmental topics like Biotehnologija, Dimnikarska dejavnost, Elektromagnetno sevanje, etc. The 'SLOVENSKO PARTNERSTVO ZA TLA' page is displayed, featuring a logo with a stylized landscape and the text 'Slovensko partnerstvo za tla'. Below this, a paragraph discusses the establishment of the partnership on December 5, 2017, and a list of recent news items from the 'Aktualno:' section.

REPUBLICA SLOVENIJA
MINISTRSTVO ZA OKOLJE IN PROSTOR

English
Državne ustanove
RSS | Kazalo
iščite po strani

DELOVNA PODROČJA SPLETNE APLIKACIJE IN STORITVE MEDIJSKO SREDIŠČE ZAKONODAJA IN DOKUMENTI JAVNE OBJAVE O MINISTRSTVU

WWW.MOP.GOV.SI / DELOVNA PODROČJA / TLA / SLOVENSKO PARTNERSTVO ZA TLA

Biotehnologija
Dimnikarska dejavnost
Elektromagnetno sevanje
Graditev
Hrup
Industrijske nesreče
Industrijsko onesnaževanje
Kohezijska politika 2014 - 2020 na področju okolja in prostora
Mednarodno sodelovanje
Narava
Odpadki
Podnebne spremembe
Presoje vplivov na okolje
Prostorski razvoj na nacionalni ravni
Prostorski načrti
Regionalno prostorsko načrtovanje
Svetlobno onesnaženje
Stanovanja

Tla
Slovensko partnerstvo za tla
Urbanji razvoj in zemljiška politika
Voda
Zmanjševanje posledic naravnih nesreč
Zrak

SLOVENSKO PARTNERSTVO ZA TLA

 **Slovensko partnerstvo za tla**

Ob Svetovnem dnevu tal, 5. decembra 2017, je bilo ustanovljeno Slovensko partnerstvo za tla. Slovensko partnerstvo za tla je prostovoljno združenje organizacij in posameznikov Slovenije, ki želijo prispevati k trajnostnemu upravljanju in varovanju tal kot pomembnega neobnovljivega naravnega vira v Sloveniji. Vabimo vas, da na spletni naslov [gp.mop\(at\)gov.si](mailto:gp.mop(at)gov.si) z oznako »Slovensko partnerstvo za tla« posredujete vaša mnenja in pobude, katere vsebine bi bilo treba v okviru Slovenskega partnerstva za tla predstaviti ali se o njih pogovoriti.

Aktualno:

- 5.12.2017 - Ustanovitev Slovenskega partnerstva za tla ([vabilo](#), [program](#), [novica in fotogalerija](#)).
Udeleženci ustanovnega srečanja SPT 5. decembra 2017
Predstavitev iz ustanovnega sestanka SPT:
 - [Namen Slovenskega partnerstva za tla](#), Helena Matoz, Ministrstvo za okolje in prostor
 - [Gozdna tla](#), Primož Simončič (Gozdarski inštitut Slovenije, GIS)
 - [Onesnaževanje tal](#), prof. dr. Helena Grčman
 - [Tla temeljni naravni vir](#), prof. dr. Helena Grčman
 - [Vloga izobraževanja za pomembnost tal / prsti](#), Blaž Repe (Oddelek za geografijo, FF UL)
 - [Ekosistemski storitve tal Kmetijski ekosistemi](#), Borut Vrščaj

Ministrstvo za okolje in prostor – Tla

Ministry of the Environment and Spatial Planning - Soil



A screenshot of the official website of the Ministry of Environment and Spatial Planning (MOP) of Slovenia. The page is titled "Tla" (Soil). The header includes the national emblem and the ministry's name. A sidebar on the left lists various environmental topics, with "Tla" highlighted. The main content area features a large photograph of a soil profile with a depth scale from 0 to 80 cm. Below the photo is a caption in Slovenian: "Tla so z vidika človekove civilizacije neobnovljiv naravni vir, saj njihovo nastajanje in obnavljanje traja desetisočletja. Zaradi zagotavljanja t.i. ekosistemskih storitev so tla živiljenjskega pomena za ljudi in okolje. V kopenskih ekosistemih imajo tla bistveno večjo vlogo, kot je bilo to prepoznoano doslej, zato je treba tla varovati in predvsem z njimi trajnostno upravljati tako, da se ohranja njihova različnost, kakovost ter sposobnost zagotavljanja ekosistemskih storitev." Below the caption is a row of smaller thumbnail images related to soil topics.

5. december 2018, plakat

Onesnaženje tal – skrita nevarnost

Interreg
Alpine Space



ONESNAŽENOST TAL – SKRITA NEVARNOST

PRISPEVAJMO K ČISTEJŠIM TLOM

Izpusti industrije, prometa, kmetijstva, poselitve, izlita nevarnih tekočin, zakopavanje odpadkov in mnoge druge aktivnosti, ki jih v svoji nevednosti ali brezbrinosti dopuščamo, so ponekod že v pomembni meri onesnažila naša tla. Ta morajo biti čista, da lahko pridelamo zdravo hrano, da pijemo čisto vodo, da živimo v zdravem in čistem okolju. Onesnaženost tal je največkrat nevidna nevarnost, ki jo moramo zmanjšati in proti kateri moramo ukrepati.

ONESNAŽENOST TAL – SKRITA NEVARNOST

Onesnaženost tal

je stanje tal, ko obstaja tveganje za zdravje ljudi in okolja, ker vsebnost neke snovi v tleh presega njeno naravno ozadje ali pa je ta snov umetna. Onesnaženost tal vpliva na rastline, živali in človeka. Cepriev so vsi organizmi bolj ali manj občutljivi na onesnaževala, se izpostavljenost onesnaženim tlom lahko različno odraža glede na starost, (pre)objektivnost, način življenja ter mnoge druge dejavnike in vplive okolja. Onesnaženost tal lahko povzroči blago in manj opazne združevane težave. Nasprotno pa lahko izpostavljenost močno onesnaženim tlom povzroči bolj resna ali usodna obolenja. Človek onesnažuje tla zaradi nevednosti, malomarnosti, po nesreči in redko namenoma.

Onesnaževala v tleh

so pešter nabor zelo različnih mineralnih in organskih snovi, ki so naravnega izvora ali proizvod človeka, ter tudi organizmov. Tla onesnažujejo težke kovine (npr. kadmij, cink, svinec, arzen, živo srebro, nikel, idr), ki so v majhnih količinah lahko tudi mikrohranila, v večjih pa močno in predvsem trajno onesnaževata, kjer jih iz tal zelo težko odstranimo. Organska onesnaževala tal so dolgožive kemijske snovi (PCB, PAH, mineralna olja) in obstojni pesticidi (DDT, atrazini), ali hitreje razgradljive a pogosto nič manj nevarne spojline. Tla onesnažujejo tudi patogeni organizmi (npr. spore antraks).

Onesnaževanje tal

je v manjšem obsegu prisotno skozi človekovo civilizacijo in se je v industrijski dobi močno povečalo. Industrija (težke kovine, obstojne organske snovi, mineralna olja), promet (svinec, rudarjenje in črpance naftne (kovine, mineralna olja), termoelektrarne in topilnice (pelje, zlindre), kmetijstvo (pesticidi, presežki hranil, nitriti), poselitev (različni odpadki kot so npr. plastika, kovine, blata komunalnih čistilnih naprav), vojaške aktivnosti (kovine, bojni strupi, radioaktivne prvine), so bistvene dejavnosti, ki so in še prispevajo onesnaževala v tla.

Poti onesnaževal iz tal v človeka

so predvsem zaužitje tal (otroci), vdihavanje onesnaženih prašnih delcev (industrijska in rudarska območja ter mesta), vnos z onesnaženo hrano (pridelava hrane na onesnaženih tleh, posebej vrtovih) in onesnažena pitna voda (spiranje onesnaževal iz tal v podzemno vodo) ter kožni kontakt z onesnaženimi tlemi. V okolje prehajajo onesnaževala iz onesnaženih tal s sprijemom v površinske in podzemne vode, vetro in vodno erozijo, s poplavami, preko prehranske verige živali, s premeščanjem onesnaženih tal na neonesnažena območja, itd.

ZMANJŠEVANJA TVEGANJ ZARADI ONESNAŽENOSTI TAL

so predvsem čiščenje onesnaženih tal in sanacija onesnaženih zemljišč, ki pa so, žal, pogosto časovno, tehnološko ali stroškovno težko izvedljiva ali celo nesmiselna. Z ustreznimi vedenji o onesnaževalih v tleh ter njihovih poteh v cloveka in razširjanju v okolje, lahko tveganja zaradi onesnaženosti tal pomembno zmanjšamo. Pogosti ukrepi so preprečevanje pršenja, omejevanje водne/vetrene erozije in spiranja v podzemne vode, pridelava hrane in krme na neonesnaženih tleh, umivanje rok, vrtnin, sprememb rabe tal, ukrepi za immobilizacijo in razgradnjo onesnaževal v tleh ter preprečevanje poplav. Primeri ukrepov so lahko po posameznih primerih razlikujejo glede na vrsto, obseg in intenzivnost onesnaženja.

Caring for Soils – Where Our Roots Grow.

Caring for Soils – Where Our Roots Grow

Skrbimo za tla – v njih so naše korenine

THE LINKS4SOILS PROJECT

PROJEKT LINKS4SOILS

Projekt Links4Soil

Namen projekta je
**prispevati k trajnostnemu upravljanju in varovanju tal ter
ekosistemskih storitev tal v Alpah**

Glavni cilji:

- **Pregledati, razvijati in deliti dobre prakse upravljanja tal**
- **Povezati uporabnike in strokovnjake za tla v skupnosti (Alpsko partnerstvo za tla), zavezane k trajnostnemu upravljanju tal**
- Podpreti čezmejno sodelovanje na področju varstva in upravljanja tal v Alpah
- Zasnovati primerljive čezmejne informacije o tleh
- Dvig zavedanj o pomenu tal v javnosti ...

Partnerstvo struktura

- 5 držav
- 2 deželni vladi (IT, AT)
- 3 Institucije znanja
 - dva inštituta (SI, FR),
 - dve univerzi (IT, AT)
- 1 NVO (AT)
- 1 Občina (DE)
- 1 SME (DE)
- 1 Vladna agencija – upravljanje n.v. (SI)

Caring for Soils – Where Our Roots Grow.

Kmetijski inštitut Slovenije

www.kis.si

(http://www.kis.si/en/Project_collection/Links4Soils)

Regione autonoma Valle d'Aosta

www.regione.vda.it

(http://www.regione.vda.it/territorio/Progetti_europei_e_transfrontalieri/progetti_europei/progetti_2014_2020_i.aspx)



LAND-PLAN Büro für landschaftsökologische Gutachten und Planung

www.land-plan.de

(<http://www.land-plan.de/link4soils.html>)

Klimabündnis Tirol

tirol.klimabuendnis.at

(<http://tirol.klimabuendnis.at/aktuelles/neues-boden-projekt>)



Universität Innsbruck - Institut für Geographie

www.uibk.ac.at/geographie

(<https://www.uibk.ac.at/geographie/bola/projekte/links4soils.html>)



Markt Kaufering

www.kaufering.de

(<http://www.kaufering.de/?language=DE&kat=rathausleitbildzukunft>)



Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture, Grenoble

m.irstea.fr

(<http://m.irstea.fr/l'institut/nos-centres/grenoble/emgr/pier-protection-ingenierie-ecologique-restauration/prise-en>)



Amt der Tiroler Landesregierung

www.tirol.gv.at

(<https://www.tirol.gv.at/landwirtschaft-forstwirtschaft/agrar/boden-und-pflanzen/alpine-space-projekt>)



Zavod za gozdove Slovenije

www.zgs.si

(http://www.zgs.si/slo/zavod/mednarodni_projekti/projekt_links4soils/index.html)



Università degli Studi di Torino - Dipartimento di Scienze Agrarie, Forestali e Alimentari



Delovni sklopi

- M – Project Management (*AIS, blue! advancing European projects*)
- T1 – Alpine Soil Partnership (*Office of the Tyrolean Provincial Government*)
- T2 – Strengthening Alpine Soil Management Information Sources (*Agricultural Institute of Slovenia*)
- T3 – Sustainable soil and ecosystem service management implementation in case studies (*Autonomous Region of Aosta Valley*)
- T4 – Capacity Building and Knowledge Transfer (*LAND-PLAN Bureau for Landscape Ecology*)
- C – Communication (*Climate Alliance Tyrol*)

Dva ključna rezultata:

- 1 the Alpine Soil Partnership
&
- 2 the Alpine Soil Platform

AKTIVNOSTI IN NEPOSREDNI REZULTATI

Hierarhično nadaljevanje

- **Global Soil Partnership (GSP)**
- **European Soil Partnership (ESP)**

1

ALPINE SOIL PARTNERSHIP

'A SUB-REGIONAL PARTNERSHIP'

ALPSKO PARTNERSTVO ZA TLA

The Alpine Soil Partnership (ASP)

Alpsko partnerstvo za tla



- Prostovoljna skupnost, zavezana trajnostnemu upravljanju tal in zaščiti tal v Alpah
- Alpe: v veliki meri specifično območje (gorske tla občutljiva, povečane & specifične grožnje tlom, različne prakse upravljanja tal v Alpah, potrebne lokalne prilagoditve, usklajevanja)
- ASP spremišča dejavnosti GSP / ESP v zvezi s sektorskimi potrebami (kmetijstvo, načrtovanje, gozdarstvo, preprečevanje naravnih nesreč, prilagajanje podnebnim spremembam in ublažitev posledic, Š)

Mandat in aktivnosti ASP

- Sodelovanje pri varstvu tal (na nacionalni in mednarodni ravni) v Alpah
- Spodbujati trajnostno upravljanje in zaščito tal v Alpah
(v nadaljevanju: TUT)
- Razviti in izmenjati dobre prakse TUT v Alpah
- Doseči boljšo politično podporo TUT
- → Omogočili širše uvajanje praks na področju TUT
- Podpreti in ukrepati za **boljše izvajanje Protokola o varovanju tal Alpske konvencije**
- Ozaveščanje javnosti o pomenu tal v Alpah
- ...

Alpine Soil Partnership



- 5 akcijskih stebrov ASP



- → Regionalno partnerstvo:
Alpine Soil Partnership (ASP)

Članstvo ASP

- Organi
 - Lokalne in regionalne vlade
 - Občine
 - Nacionalne / regionalne agencije (npr. Varstvo okolja,
 - Sektorske agencije, nacionalni podatkovni centri itd.)
- Pedologi in strokovnjaki povezani s temi
 - Raziskovalne ustanove za tla, univerze, različne nacionalne agencije za znanost v tleh
- Mala podjetja na področju tal (npr. sanacija tal, načrtovanje ...)
- Nevladne organizacije
- Posamezniki
- ... drugi

Verjamemo, da so tudi aktivnosti Links4Soils projekta prispevale k novim usmeritvam za boljše varovanje in upravljanje tal v Alpah

DOSEŽENI POSREDNI REZULTATI?

Alpska konvencija (oktober 2018)

Sklep Alpske konvencije o stanovitni delovne skupine za tla
(Soil working group)



The screenshot shows a website for the Alpine Convention. At the top, there's a navigation bar with links to 'KONVENCIJA', 'ORGANIZACIJA', 'AKTIVNOSTI IN PROJEKTI', 'PUBLIKACIJE', 'NOVICE IN DOGODKI', and 'KONTAKT'. Below the navigation is a banner with the text 'ALPSKA KONVENCIJA' and a small logo of a mountain peak. The main content area features a photograph of a rural landscape with houses and mountains. A sidebar on the right is titled 'Tematska delovna telesa' and lists various working groups. A red box highlights a list of 12 working groups under the heading 'Tematska delovna telesa'. Another sidebar on the far right is titled 'Zaključene delovne skupine in platforme' and lists several completed groups.

Tematska delovna telesa

1. Delovna skupina za promet
2. Platforma naravne nesreč - PLANALP
3. Platforma za ekološko omrežje
4. Platforma za upravljanje voda v Alpah
5. Platforma "Velike zveri in prostoziveči parkljarji ter družba" - WISO
6. Delovna skupina "alpska makroregija"
7. Platforma "hribovsko kmetijstvo"
8. Delovna skupina "gorski gozd"
9. Delovna skupina "Trajnostni turizem"
10. Ad hoc strokovna skupina za prostorsko načrtovanje
11. Posvetovalni odbor za zeleno gospodarstvo
12. Alpsi posvetovalni odbor ta podnebjje

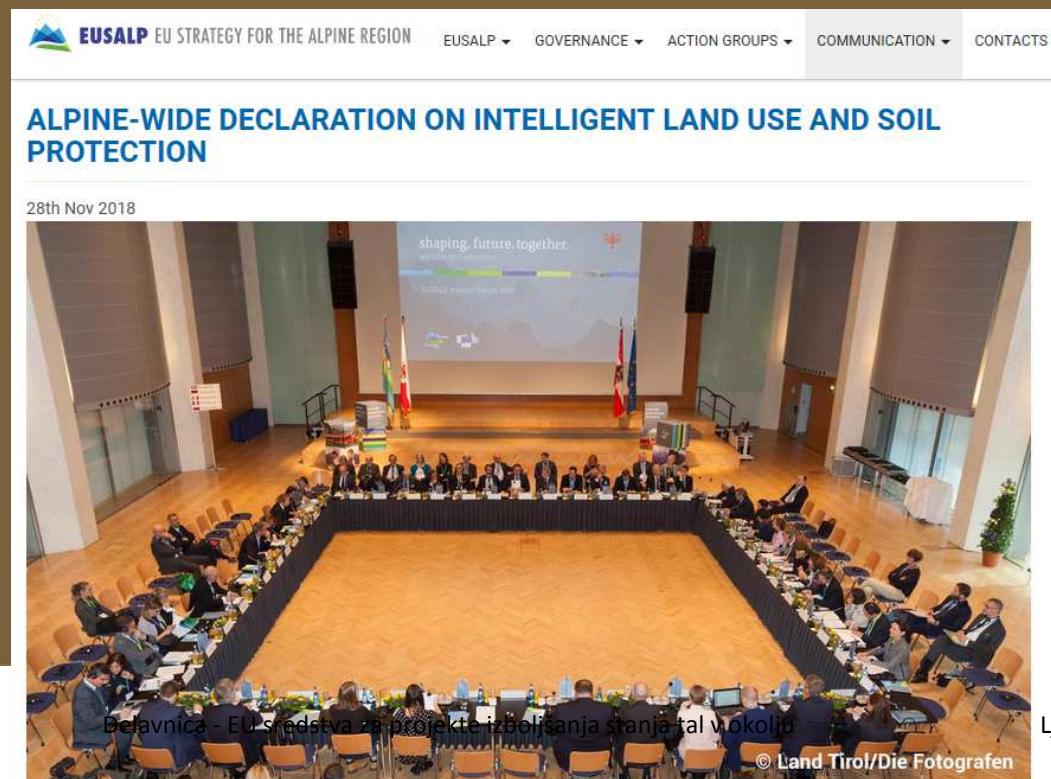
Zaključene delovne skupine in platforme

- » Delovna skupina za Unescovo svetovno dediščino
- » Platforma "energija"
- » Ad hoc strokovna skupina za pripravo RSA5 o demografskih spremembah
- » Ad hoc delovna skupina za pripravo MAP/VDP 2017-2022
- » Ad hoc strokovna skupina za pripravo RSA6

EUSALP – WG6 (november 2018)

DECLARATION Sustainable Land Use and Soil Protection – Joining Forces for Nature, People and the Economy

<https://www.alpine-region.eu/news/alpine-wide-declaration-intelligent-land-use-and-soil-protection>



2

‘The Platform’:

an information node / hub for Alpine soil information,
knowledge exchange and cooperation

Spletna platforma za tla Alp alpinesoils.eu

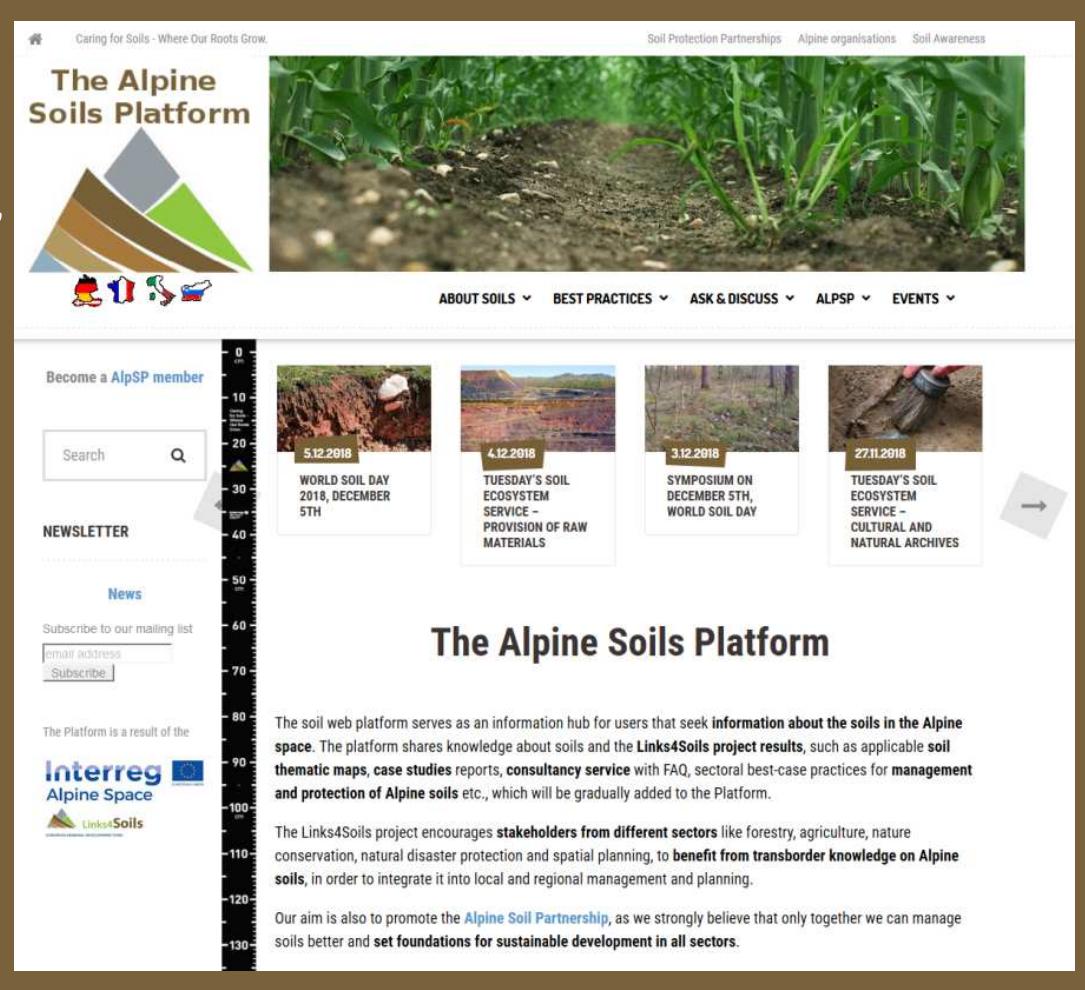
*The Alpine Soil Information and
Decision Support Platform*

Platforma za tla Alp

The Alpine Soil Platform

alpinesoils.eu

- Informacije o tleh, ekosistemskih storitvah tal, dobre prakse,
- kdo je kdo,
- koga vprašati
- FAQ
- dogodki
- ...

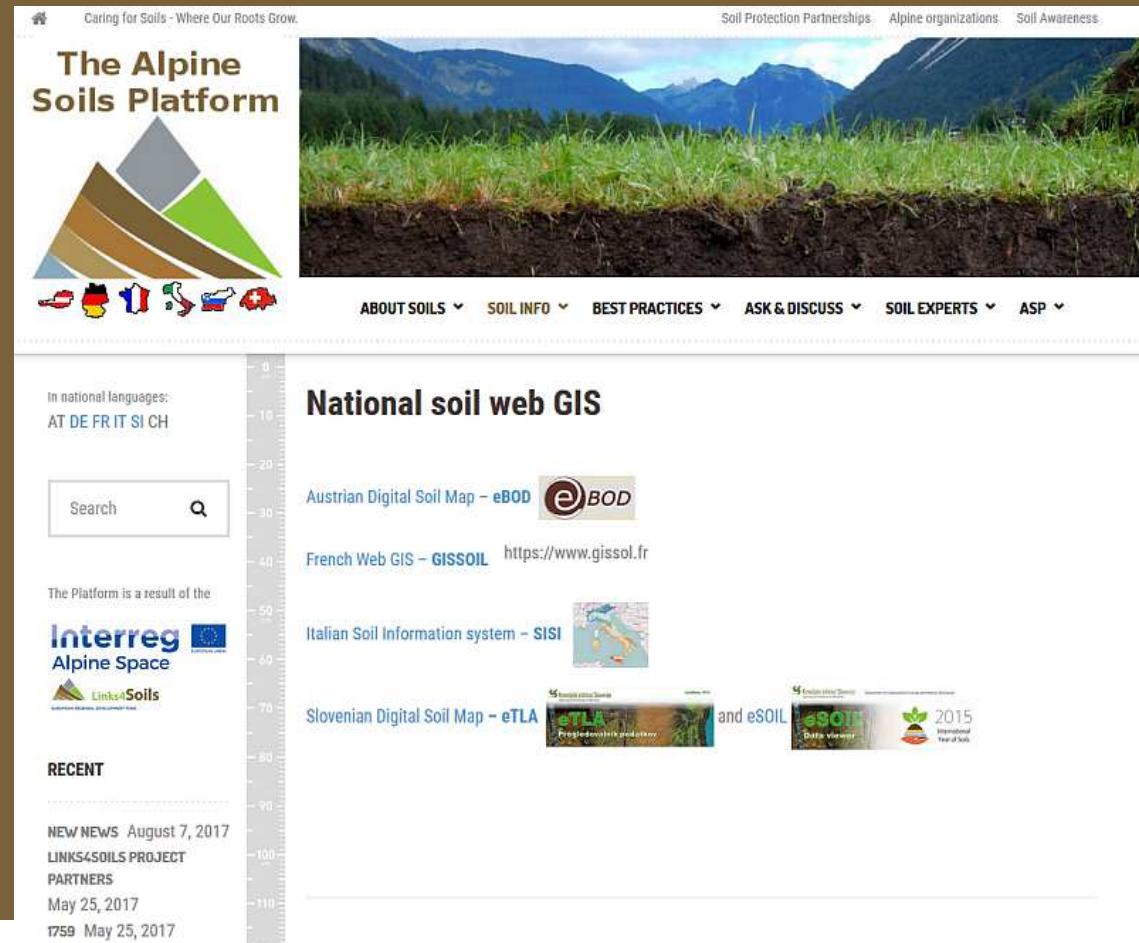


The screenshot shows the homepage of the Alpine Soils Platform. At the top, there's a banner with a close-up photo of soil and plants. Below the banner, the platform's logo is displayed, featuring a stylized mountain peak composed of colored layers (blue, green, yellow) and the text "The Alpine Soils Platform". A navigation bar includes links for "ABOUT SOILS", "BEST PRACTICES", "ASK & DISCUSS", "ALPSP", and "EVENTS". On the left side, there's a sidebar with a search bar, a "NEWSLETTER" section (with a "Subscribe" button), and a "News" section. The main content area features several event cards with dates and descriptions, such as "WORLD SOIL DAY 2018, DECEMBER 5TH" and "TUESDAY'S SOIL ECOSYSTEM SERVICE – PROVISION OF RAW MATERIALS". A large central text block is titled "The Alpine Soils Platform" and describes its purpose as an information hub for soils in the Alpine space, mentioning the Links4Soils project results and stakeholder integration. The background of the page has a faint grid pattern.

Platforma za tla Alp

The Alpine Soil Platform

- Dostop do nacionalnih spletnih podatkov tal



Platforma za tla Alp

The Alpine Soil Platform

- Javni GSI spletni GIS servis za podatke tal
Public Alpine soil data web GIS
(a prototype, initial development at the time)



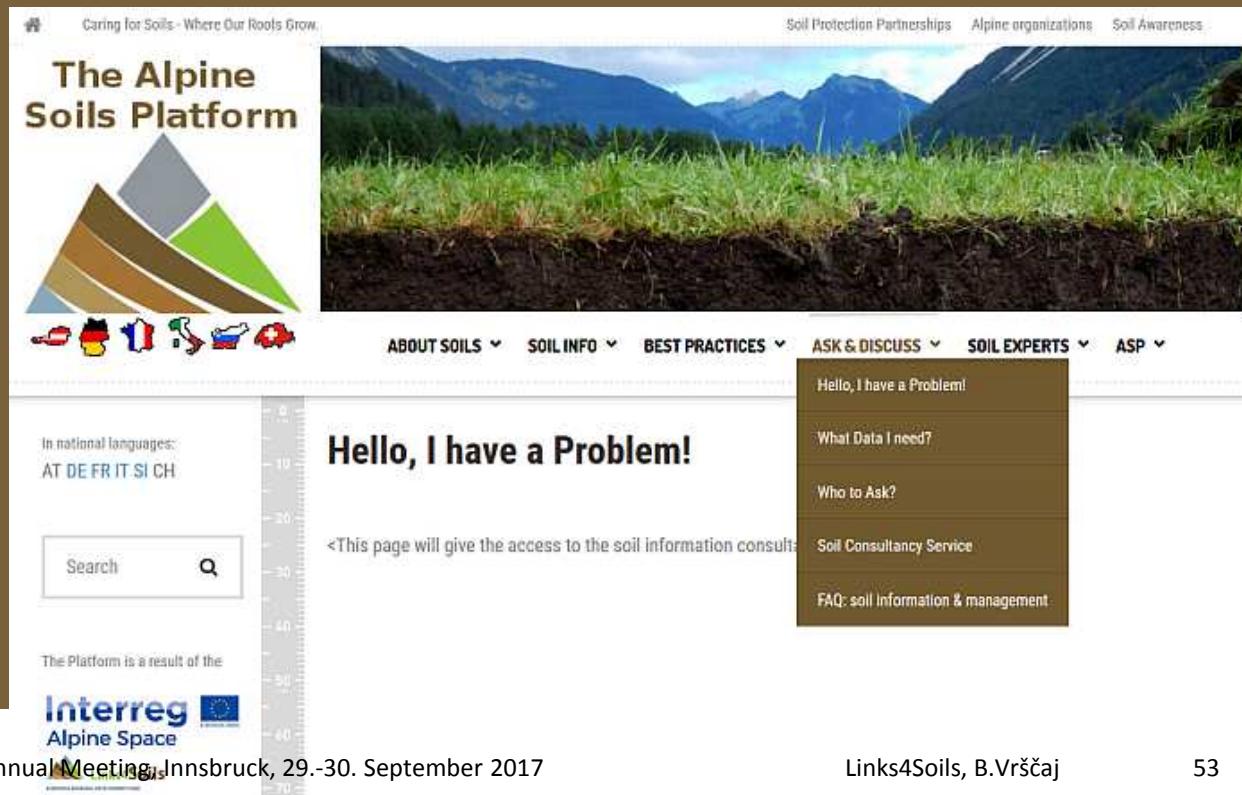
A screenshot of the 'The Alpine Soils Platform' website. The header features the platform's name and a background image of a grassy field and mountains. Below the header are navigation links for 'ABOUT SOILS', 'SOIL INFO', 'BEST PRACTICES', 'ASK & DISCUSS', 'SOIL EXPERTS', and 'ASP'. The main content area is titled 'The Alpine Soil Web GIS' and includes a link to the 'Viewer of the Alpine Soil Data'. It also features a large image of a landscape and the 'Links4Soils' logo. A sidebar on the left provides information about the platform being in multiple languages (AT DE FR IT SI CH) and being a result of the Interreg Alpine Space project.

- → when L4S is completed – the web GIS is transferred to the [JRC European Soil Data Centre](#)
to upgrade the [Alpine Soil Information System \(ALPSIS\)](#)

Platforma za tla Alp

The Alpine Soil Platform

- Posvetovalno /svetovalni servis (kako, koga vprašati, kje poiskati dobre prakse, kako do podatkov ← moderacija strokovnjakov)
- Pogosto vprašano (FAQ)



The screenshot shows the homepage of The Alpine Soils Platform. At the top, there's a banner with a mountain landscape and the text "Caring for Soils - Where Our Roots Grow.", "Soil Protection Partnerships", "Alpine organizations", and "Soil Awareness". Below the banner, the platform's logo features a stylized mountain peak composed of colored layers (blue, green, yellow, brown). A navigation bar includes links for "ABOUT SOILS", "SOIL INFO", "BEST PRACTICES", "ASK & DISCUSS", "SOIL EXPERTS", and "ASP". A search bar is also present. On the left, there's a sidebar with language options ("In national languages: AT DE FR IT SI CH") and a "Search" button. The main content area features a large image of a grassy field with soil cross-sections. A prominent call-to-action button says "Hello, I have a Problem!". Below it, text reads: "<This page will give the access to the soil information consult...". To the right of the main content, there's a sidebar with links: "Hello, I have a Problem!", "What Data I need?", "Who to Ask?", "Soil Consultancy Service", and "FAQ: soil information & management". At the bottom, the Interreg Alpine Space logo is visible.

Platforma za tla Alp

The Alpine Soil Platform

Dobre prakse:

- Orodja in metode
- Čezmejni zgledi in izmenjava praks
- Sektorski pristop, predvsem
 - Planiranje
 - Gozdarstvo
 - Kmetijstvo
 - Varovanje narave
 - Turizem
 - Naravne nesreče
 - ...?



Platforma za tla Alp

The Alpine Soil Platform

- Nacionalne strani ALPS (SI, IT, DE, FR)
- V nacionalnih jezikih
- ← viri informacij, kako, kje, kdo... za lokalne/ regionalne uprave.



The screenshot displays the homepage of 'The Alpine Soils Platform'. At the top, there's a banner with a photograph of a grassy hillside and mountains. Below the banner, the platform's logo is shown, along with links for 'Soil Protection Partnerships', 'Alpine organizations', and 'Soil Awareness'. A navigation bar at the bottom of the page includes links for 'ABOUT SOILS', 'SOIL INFO', 'BEST PRACTICES', 'ASK & DISCUSS', 'SOIL EXPERTS', and 'ASP'. The main content area features a search bar with the placeholder 'Search' and a magnifying glass icon. To the left of the search bar, there's a vertical scale-like graphic with numbers from 0 to 100. Below the search bar, text indicates the platform is available in six languages: AT DE FR IT SI CH. Further down, it says 'The Platform is a result of the' followed by the 'Interreg Alpine Space' logo and the 'Links4Soils' logo. The right side of the screenshot shows a section titled 'Piattaforma Web Suoli Alpini' with a sub-section titled 'Realizzazione della Piattaforma Web Suoli Alpini per la condivisione delle informazioni sui Suoli delle Alpi con gli utilizzatori finali.' A bulleted list details the platform's objectives, including providing tools and training for users, sharing knowledge and best practices, presenting datasets and tools, providing consultation services, and creating a stakeholder network.

... in še pozdrav L4S partnerjev

Greetings
from

Hvala za pozornost!

