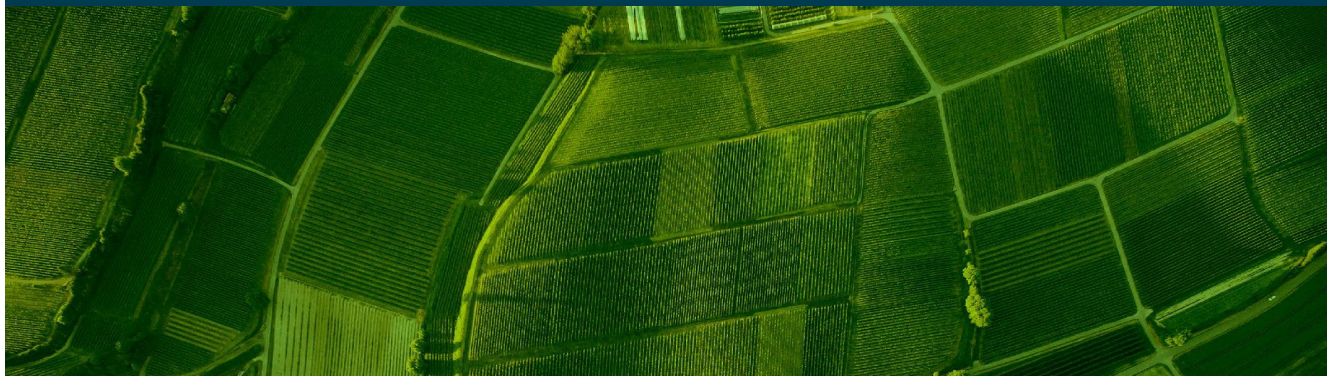


## Practice Abstract No 18

## Regenerative Agriculture in Agricultural Cooperative Krakovany - Stráže



## Description

"Let's save the soil for our children's children" is the motto of the Agricultural Cooperative in Krakovany-Stráže, which decided to change the way their fields are managed almost 10 years ago. Conventional agriculture, which still prevails in Slovakia, degrades the soil and causes higher demands for synthetic fertilizers, irrigation and other inputs to maintain crop growth. Unlike conventional, regenerative farming is in harmony with nature, respecting its ecological and biological processes, which brings life back to the soil. In Krakovany, they realized the change is needed and they stopped ploughing their fields, keep the fields covered (after the main crop a cover crop is sown, which is allowed to freeze over the winter, and in the subsequent spring, main crop is sown on the frozen residues), they stopped using synthetic fertilizers, insecticides and fungicides and began to apply organic fertilizers and composts, but only on the surface of the soil without incorporation. As the results in Krakovany show, regenerative agriculture is more economical, since ploughing machines do not drive over the field several times a year; it is more ecological, since they do not use synthetic fertilizers and CO<sub>2</sub> is sequestered to the soil. In addition, risk of erosion is mitigated and the water retention function of the soil is increased. As this farming method proved to be effective, Krakovany decided to spread information and educate other farmers about regenerative agriculture, its principles, practices and benefits through regular presentations on their fields and organization of events aimed at its promotion.

## Author(s)

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## Stakeholders

Farmers, agri-practitioners

## Country/Region

Slovakia

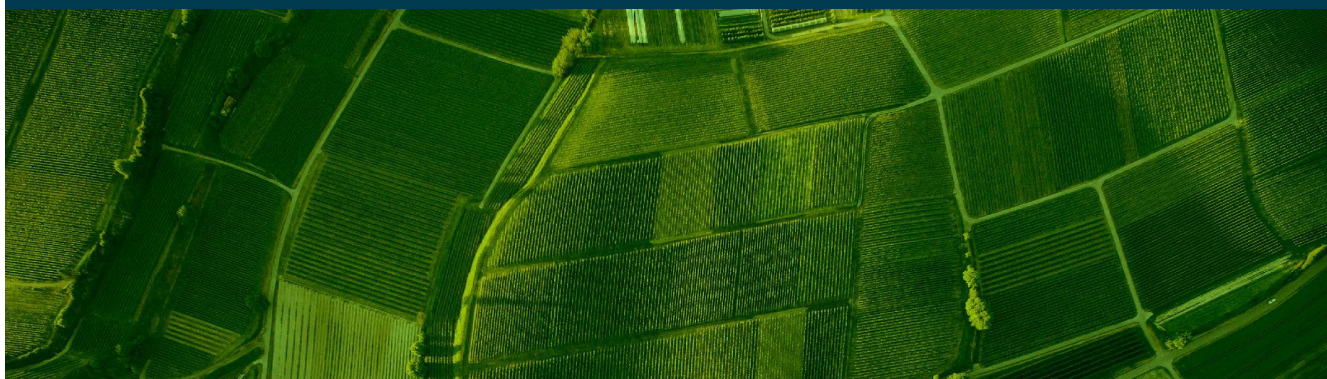
## Keywords

regenerative agriculture,  
carbon farming, healthy soil



## Practice Abstract No 18

## Short summary for practitioners in Slovak



## Description

“Zachráňme pôdu pre deti našich detí” je motto Poľnohospodárskeho družstva v Krakovanoch, ktoré sa takmer pred 10 rokmi rozhodlo zmeniť spôsob, akým obhospodaruje pôdu. Konvenčný spôsob farmárčenia, ktorý je v dnešnej dobe na Slovensku veľmi rozšírený, v podstate degraduje pôdu, čo spôsobuje, že plodiny potrebujú viac syntetických hnojív, zavlažovanie a iné vstupy, aby boli schopné rásť. V Krakovanoch to však začali robiť inak – princípom regeneratívneho farmárčenia. To, na rozdiel od toho konvenčného, funguje v harmónii s prírodou a rešpektuje jej prirodzené ekologické a biologické procesy, vďaka ktorým sa do pôdy vracia život. V Krakovanoch prestali orať, dokonca nerobia ani podmietku, pôdu majú stále pokrytú (hlavnú plodinu sadia do zbytkov z predchádzajúcej plodiny, následne nasadia medziplodinu, ktorú v zime nechajú vymrznúť a nasledujúcu jar sadia do vymrznutých zbytkov), nepoužívajú umelé hnojivá, insekticídy a fungicídy a aplikujú organické hnojivá a komposty, ale iba na povrch pôdy bez zapravenia. Ako sa v Krakovanoch ukázalo, takýto spôsob obhospodarovania pôdy je ekonomickejší, keďže neutláčajú pôdu mnohonásobným prechodom techniky; je ekologickejší, keďže nepoužívajú umelé hnojivá a navyše CO<sub>2</sub> je sekvestrované do pôdy, čím je pravdepodobnosť erózie významne nižšia a vodozadržná schopnosť pôdy je lepšia. Keďže sa družstvu tento spôsob farmárčenia osvedčil, rozhodli sa šíriť informácie a vzdelávať aj ostatných poľnohospodárov o jeho princípoch, postupoch a výhodách cez pravidelné prezentácie priamo na poliach a organizáciou podujatí s cieľom propagovať regeneratívne poľnohospodárstvo.

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## Stakeholders

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## Keywords

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carbon farming, healthy soil



## Additional Information (context, links, etc.)

<https://www.regenerative.sk/>

### About CO-FRESH

The CO-FRESH project aims to provide techniques, tools and insights on how to make agri-food value chains more environmentally sustainable, socio-economically balanced and economically competitive. The project pilots several agri-food value chain innovations to see how they, in combination, can improve environmental and socio-economic sustainability.

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### Disclaimer

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