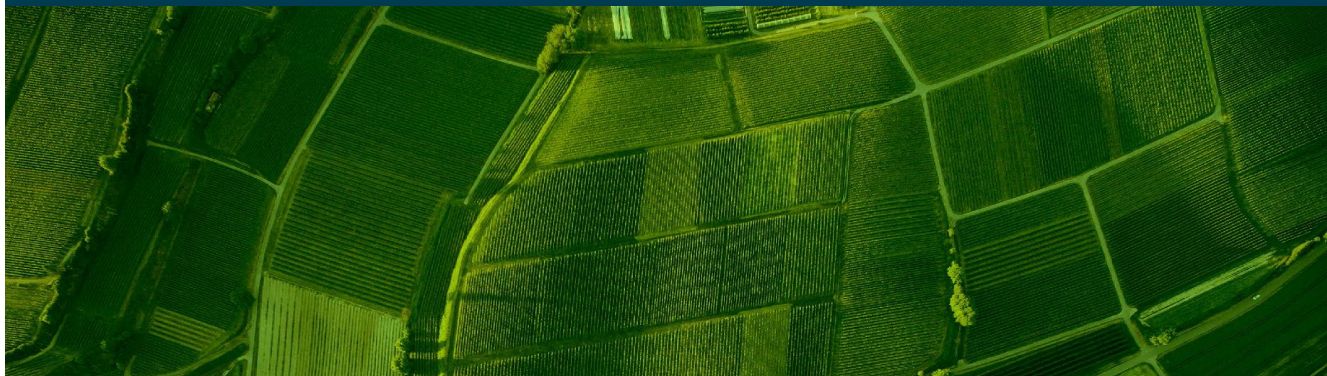


Practice Abstract No 10

Ecology Zone – Circular Solution by Agrokruh

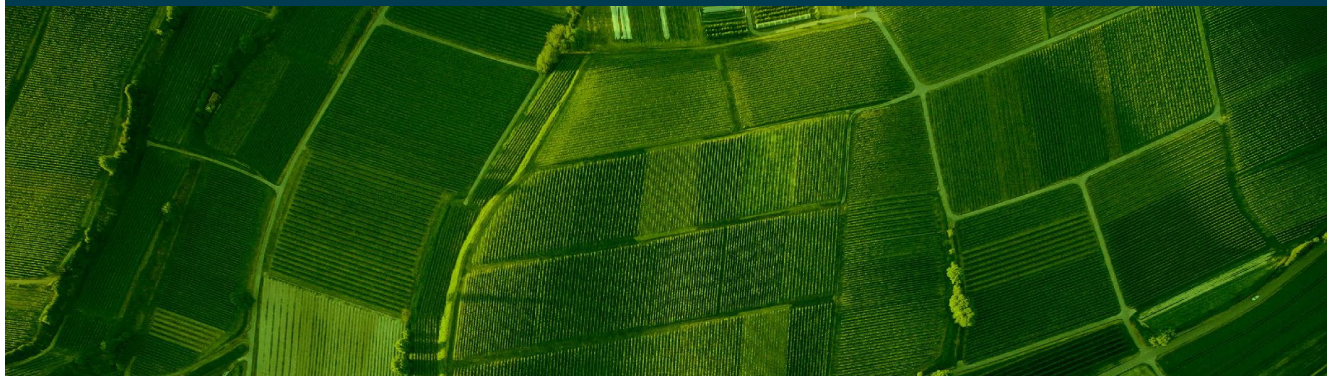


Description	Author(s)
<p>The concept of Ecology Zone by Agrokruh provides an innovative solution for organic farming to farmers and families with access to 2-3 ha of land. The concept includes a complete package of technology, know-how in a form of manual, business, and advisory services. Currently, Agrokruh is a cooperative with 8 members and 3 prototype farms, which after the certification process of the technology, will become the official supplier of it.</p> <p>The Ecology Zone concept is the following: the agricultural processes are done in 15 circles with an own central pillar, which holds the technology. The technology can be run by one farmer and since various types of agricultural tools can be attached to the hanger, which moves across the bridge, it covers the majority of agricultural processes. It is powered by an electric motor, that enables to reduce manual work by up to 70 %. The concept does not use conventional plowing or tillage tools; therefore, it supports rich soil life, both at microbiological and macrobiological levels. In addition, no artificial fertilizers or biocides are used in the cultivation process.</p> <p>Agrokruh developed its concept to provide a solution for soil revitalisation, cost reduction, water reduction, and potential for sustainable development of agriculture. Agrokruh is constantly developing further digital solutions, other modules – complex system for pre-cultivation, dispensing cart, value chain innovations – pick-up points for the fresh organic vegetables, and sustainable solutions – eco-house.</p>	<p>Katarína Blicklingová <i>Bioeconomy Cluster</i></p> <p>Stakeholders</p> <p>Farmers, Agri-practitioners</p> <p>Country/Region</p> <p>Slovakia</p> <p>Keywords</p> <p>Ecology Zone, Organic Farming, Soil Health</p>



Practice Abstract No 10

Ekologická zóna – Cirkulárne riešenie od Agrokruhu



Description

Koncept Ekologická zóna od Agrokruhu poskytuje inovatívne riešenie ekologického poľnohospodárstva farmárom a rodinám s prístupom k 2-3 ha pôdy. Samotný koncept zahŕňa kompletný balík technológií, know-how vo forme manuálu, obchodné a poradenské služby. V súčasnosti je Agrokruh družstvo s 8 členmi a 3 prototypovými farmami, ktoré sa po procese certifikácie technológií stane jej oficiálnym dodávateľom.

Koncept je nasledovný: poľnohospodárske procesy prebiehajú v rámci 15 kruhov, ktoré obsahujú svoj centrálny stĺp, na ktorom je osadená technológia. Po agrotechnickom moste sa pohybuje záves náradia, na ktorý je možné pripevniť rôzne druhy poľnohospodárskych nástrojov, čím samotná technológia pokrýva prevažnú časť poľnohospodárskych procesov. To znamená, že k prevádzke technológií stačí iba jeden farmár. Technológia je poháňaná elektromotorom, ktorý umožňuje automatizáciu prác a znižuje manuálnu záťaž až o 70%. Koncept nevyužíva klasickú orbu, či obracanie pôdy, čím podporuje bohatý pôdny život na mikrobiologickej aj makrobiologickej úrovni. Okrem toho sa pri pestovaní nevyužívajú umelé hnojivá a biocídne prípravky.

Agrokruh vyvinul svoj koncept s cieľom poskytnúť riešenie pre revitalizáciu pôdy, zníženie nákladov, zníženie spotreby vody a potenciál pre trvalo udržateľný rozvoj poľnohospodárstva. Agrokruh neustále vyvíja digitálne riešenia, ďalšie moduly – komplexný systém pre predpestovanie, výdajný vozík, inovácie hodnotového reťazca – odberné miesta pre čerstvú biozeleninu, ako aj udržateľné riešenia – eko-dom.

Author(s)

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Stakeholders

Farmers, Agri-practitioners

Country/Region

Slovakia

Keywords

Ecology Zone, Organic Farming,
Soil Health



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Additional Information (context, links, etc.)

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

Pictures



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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