



**Practice Abstract 19 -
AGRIFOOD FieldBook: An Integrated Digital Solution for
Farm Management (SIP5)**

19. AGRIFOOD FieldBook: An Integrated Digital Solution for Farm Management (SIP5)

Short Summary for Practitioners in English

Problem/Challenge

Small and medium-sized farms often face significant barriers to adopting agricultural digital solutions. Many available tools are too expensive, difficult to use, poorly integrated into existing farm workflows, or not adapted to the needs of smaller farms. As a result, farmers continue to spend considerable time on administrative tasks, field records, fertiliser and plant protection product registers, and CAP-related reporting. There is a need for practical and affordable digital tools that reduce administrative burden, improve decision-making, and support more efficient farm management.

Solution:

In the Slovenian Farmtopia SIP5 pilot, ITC, KGZS and demo farmers from the Pomurje region co-developed DIH AGRIFOOD Applications, with a particular focus on FieldBook. The solution provides an integrated set of digital tools that support farm planning, field monitoring, record keeping, decision support, benchmarking, product traceability and trusted data sharing. FieldBook enables farmers to digitally record and manage field activities, while the wider system supports data analysis, resource management and secure data exchange through the DIH AGRIFOOD Data Space, ensuring transparency, traceability and data sovereignty.

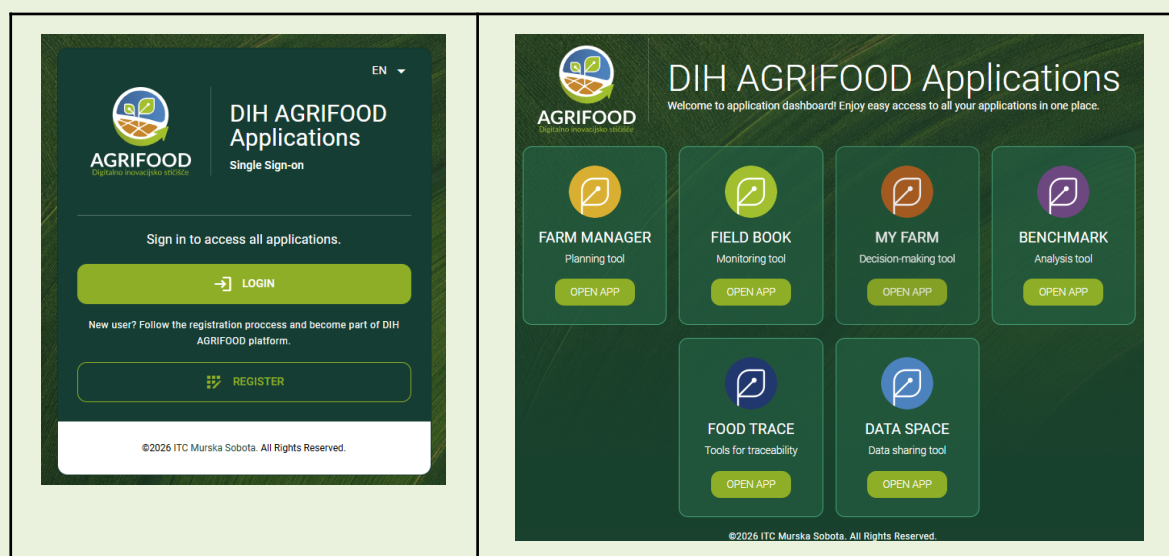


Figure: DIH Agrifood applications login

Benefits & Outcomes:

The solution helps farmers save time, simplify record keeping and gain a clearer overview of field activities and resource use. In SIP5, the first outcomes were tested in the 2025 growing season on 5 farms and expanded in 2026 to 15 farms in Slovenia and 1 farm in Ukraine. Results so far show improved farm efficiency, mainly by reducing the time needed to track activities and manage resources. On more technologically advanced farms, the tools also support better optimisation of fertilisers and other inputs through precision farming.

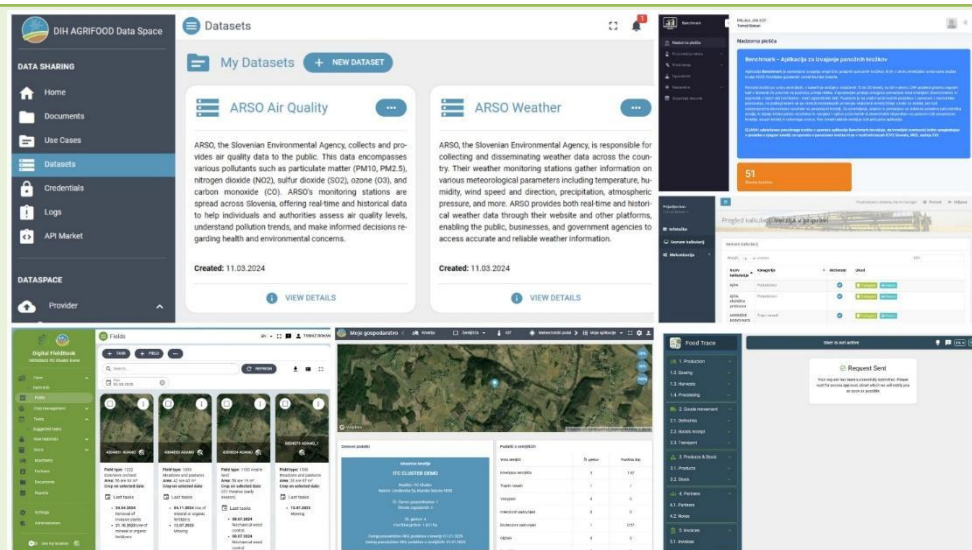


Figure: DIH Agrifood applications examples

Practical Recommendations:

Start with functions that solve daily problems: easier field records, less paperwork, compliance support and better overview of input use. Involve farmers and advisors from the beginning, as co-development makes tools more relevant and easier to adopt. Do not introduce tools as isolated applications; greater value is created when planning, monitoring, analysis and data sharing are connected in one trusted system. Provide practical onboarding and regular support so that farmers can use the tools confidently in day-to-day work.

Further information

- Official website of the Digital Innovation Hub for Agriculture and Food Production, under which the Farmtopia Digital Field Book is being developed: <https://dih-agrifood.com>
- KGZS-MS <https://www.kgzs-ms.si>
- EU CAP Network, https://eu-cap-network.ec.europa.eu/support/innovation-knowledge-exchange-eip-agri/digitalisation_en

About this practice abstract and Farmtopia

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Farmtopia: The project is running from September 2023 to August 2026. The overall goal of Farmtopia (**GA No.: 101083541**) is to democratize digital farming to empower small and medium farms.

Website: <https://farmtopia.eu/>

ITC: As part of the Farmtopia project, and to optimise production, reduce fertilisation costs and support food resilience, ITC is closely collaborating with the public farming advisors from the Institute of Agriculture and Forestry

Murska Sobota (KGZS MS). It engages farmers to co-create, pilot and demonstrate the Smart farming/Decision support system solution.

Websites: <https://itc-cluster.com/> ,
<https://dih-agrifood.com/>

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