

Final outcomes of national project on compiling new sustainability data on FADN farms in Slovenia

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National research project:

“Supporting evidence based agricultural policy in Slovenia: reinforcing core FADN and supporting activities for conversion to FSDN” (CRP V5-2229)

- **Short project:** project proposal May 2022; project duration: October 1, 2022–September 30, 2024
- **Financed by:** Ministry of Agriculture, Forestry and Food (LA) and Slovenian Research and Innovation Agency
- **Partners:** Agricultural Institute of Slovenia, University of Ljubljana (Biotechnical Faculty), KGZS – Zavod Kranj (*FADN accounting office Kranj and farm advisors*)

Motivation:

- **Slovenia’s FADN before the conversion to FSDN:** very limited resources, data collection burden almost entirely on farms*, weak or non-existent interoperability, many administrative & organizational hurdles, limited feedback for AH, limited or non-existent farm benchmarking/farm advisory tools; lack of overall (state’s) strategy on using & weak understanding of the enormous potential of FADN/FSDN!
- **Serious concerns in the light of conversion to FSDN:** keeping *status quo* approach would mean a massive shock, delays in delivery of data, and most likely critically endanger stability of core FADN (sample – farm recruitment, data quality ...); **systematic and timely preparations crucial!**

Key aims of the project:

- **To support the transition of FADN to FSDN in Slovenia**
- **Help strengthen the core FADN system in Slovenia at the same time**
- ***Small-scale „feasibility“ exercise for Slovenia!***

* Data reporting „method“ by farms in FADN sample	AY2023
On paper	10%
Excel workbook (off-line)	58%
Directly into online program	32%
Total	100%

Source: Accounting offices Kranj and Ptuj

Main work packages and specific goals

- 1. WP1: Help strengthening the core FADN in Slovenia:**
 - Analysis of FADN sample /selection plan, proposals for adjustments
 - Concept of national analytical database FADN (and later FSDN) – including farms outside FADN sample
 - Recommendations, e.g., regarding data sharing and optimizing the data compilation processes
- 2. WP2: Supporting the transition of FADN to FSDN in Slovenia *(for the duration of project!)***
 - Support LA in FSDN process at European level
 - Selection, prioritization of sustainability indicators at farm level
 - (Proposals for strengthening of) data availability/convertibility and interoperability;
- 3. WP3: Farm advisory service for improving the sustainability of agricultural holdings:**
 - Compilation of data for the selected set of new sustainability indicators on real FADN farms (in-person survey & pre-filled data); test feasibility of the „FSDN-like“ processes, (rough) estimate of additional workload and costs;
 - Upgrade feedback for farms based on key FADN results and some sustainability indicators
 - Proposal of farm advisory “service” based on collected sustainability data (group workshops with surveyed farms; incentivise farmers)

WP 1: Help strengthening the core FADN in Slovenia

Key outcomes

1. Analysis of FADN sample / selection plan; recommendations:

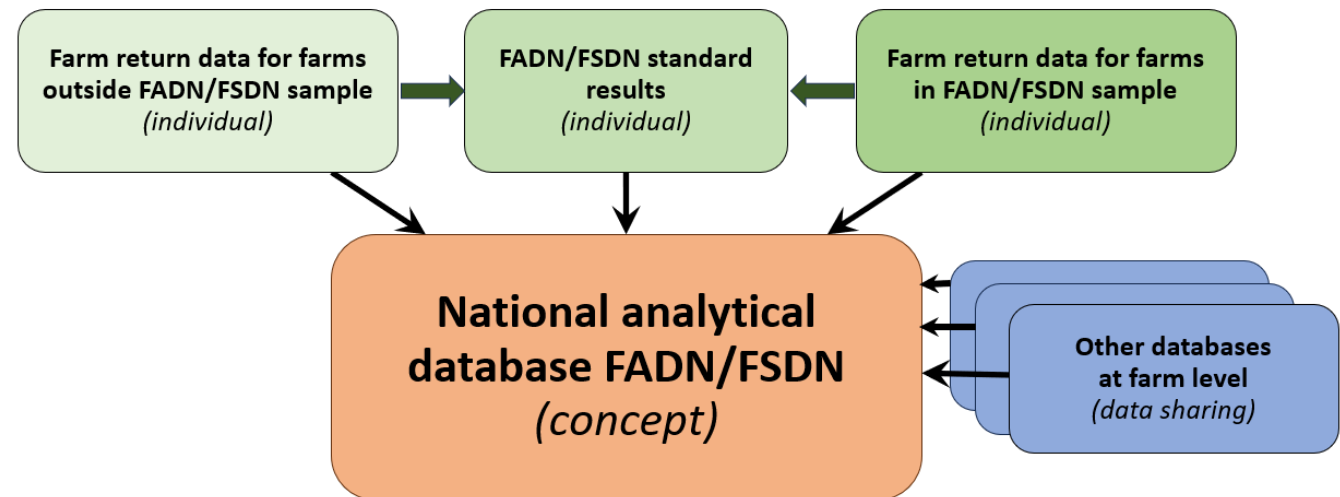
- **No changes of sample (same threshold: 4,000 EUR SO; same size: 908 farms)**; main reasons: despite some structural changes still poor coverage of population with increased threshold and omission of smaller farms (EV3) which are important for national policy and sustainability assessment; bigger sample size would add to the recruitment problems;
- Improve implementation of the selection plan, add national selection criteria
- **Use administrative SO (LA) for FADN/FSDN sample population** (*next slide*): annually updated, could improve sample representativity and precision (credibility) of FADN/FSDN results

2. Concept of national analytical database FADN (and later FSDN) – including farms outside FADN sample:

- Stand-alone database (tested as concept with FADN data) or
- Recommended: as a module/layer within LA's „Data warehouse“ (currently in construction!)

3. Recommendations optimizing key data compilation processes:

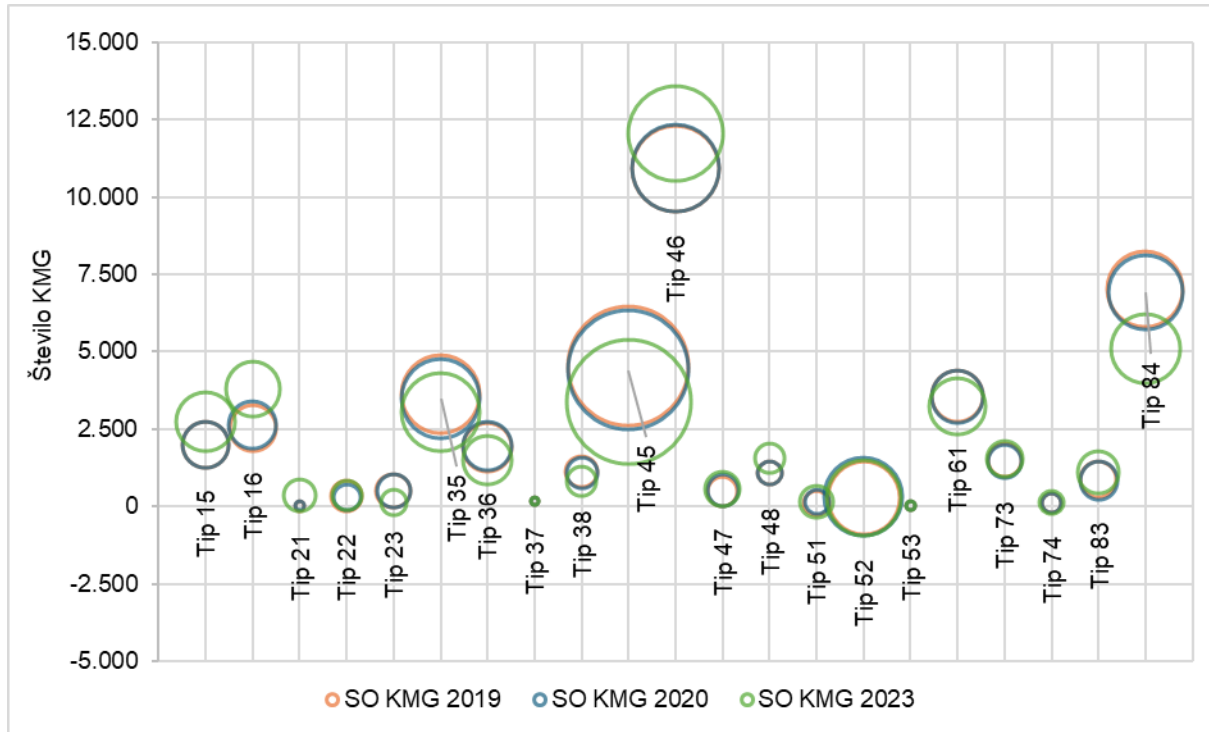
- Main bottle necks identified by accounting office
- Recommendations mainly about strengthening data sharing (remove legal, administrative hurdles to access existing data), upgrading programs for data entry, reorganization, staff specialization...



WP 1: Help strengthening the core FADN in Slovenia – cont.

Key outcomes: Testing if administrative SO is appropriate for preparation of FADN/FSDN field of survey

Population of agricultural holdings above FADN threshold (4,000 EUR SO): comparing administrative SO database for 3 years (2019, 2020, 2023) by principal TF (bubble size: share of total SO)



Source: Administrative SO database (MAFF), calculations KIS

Population of agricultural holdings above FADN threshold (4,000 EUR SO): comparing administrative SO2022 and selection plan for AY2024 (SO2022=100)

	3	4+5	6+7	8+9	10+11	12+13+14	Total
15+16	129	123	82	67	25	114	120
21+22+23	298	223	198	153	150		211
35	94	84	75	108	150	75	86
36+37+38	67	72	94	131	100	300	74
45	74	83	92	118	167	100	94
46	101	114	113	120	100		108
47	110	111	83	126			100
48	145	146	103	100			142
51+52+53	102	118	141	141	240	92	133
61	101	98	103	138	133	200	101
73+74	111	126	125	116	200		119
83+84	90	86	96	94	167	200	89
Total	103	102	97	115	156	113	102

Source: FADN, Administrative SO database (MAFF), calculations KIS

Note: SO KMG 2022: Population 2022, SOC „2019“;

Selection plan AY2022: Population 2023, SOC 2017

WP 2: Supporting the transition of FADN to FSDN in Slovenia

Key outcomes

- 1. Support LA in FSDN process at European level:** intensive; more than 40 „bigger“ meetings (EU or national; in the last 12 months); key support of the process within the project through:
 - **Response to EC proposals** (including topics/variables reviews), presentation of preliminary project outcomes
 - **2 deliverables with recommendations (October 2023, March 2024) for harmonizing national activities with FSDN process at EU level:** prepare FSDN timeline, analyse legal gap (start preparing national legislation), proposal for national working group for FSDN (key stakeholders under LA coordination), identify FSDN budget needs (start with budget planning activities), activities on farm selection and incentive plan (not only fees for farmers); call for more proactive and timely response from LA management (improve efficiency and organization, especially at LA)!
 - **Deliverables/outcomes from other work packages:** proposals regarding selection and incentive plan, selection of sustainability indicators, most of WP3 outcomes (collection of farm sustainability data, farm feedback and advisory...)
- 2. Selection, prioritization of sustainability indicators at farm level:** *see the following slides*
- 3. Recommendations for strengthening data availability/convertibility and interoperability:**
 - Significant portion of FSDN data could be shared from existing databases; technically convertibility, interoperability not problematic *per se* (based on group interview of the LA officers);
 - Biggest problems: no strategy by LA on data sharing and management in the field of FADN or FSDN, legal „gaps“;
 - Recommendations: interconnect FADN/FSDN to „Data warehouse“ at LA: strong cost- and content-wise synergies, harmonize activities; improve co-operation (interoperability?) within LA and with other (database) stakeholders!

WP 3: Farm advisory service for improving the sustainability of agricultural holdings

Key outcomes

- 1. Compilation of data for the selected set of new sustainability indicators on real FADN farms:**
 - Procedure about selection of sustainability indicators to be collected – *next slides*
 - In-person survey & pre-filled sustainability data on a sample of real farms (data collection directly on farms and from „data sharing“)
 - Small-scale feasibility test of the „FSDN-like“ processes in the Slovenian context (data collection, „data sharing“, farm feedback and advisory service, identify bottlenecks)
 - Rough estimate of additional workload and costs
- 2. Upgrade feedback for farms based on key FADN results and some sustainability indicators:**
 - Based on some previous research & suggestions of farm advisors; further developed to include the new sustainability data, graphic, dynamic, dashboard style
 - Presented to surveyed farmers (individually) and farm advisors (as a concept) at a workshops; their opinions about upgraded farm feedback collected (2 surveys) + some other opinions about FADN/FSDN in SI
- 3. Proposal of farm advisory “service” based on collected sustainability data:**
 - Knowledge transfer: 2 workshops for farmers, 1 for farm advisors
 - A step-by-step document for farm advisors (*concept to be further developed with FSDN*)
 - Desired direction: strengthen farm „study“ groups, specialized advisory service, improve farm feedback

WP 3: Farm advisory service for improving the sustainability of agricultural holdings

Approach regarding sustainability data compilation

1) **Purposive sample:**

- **Not representative; reasons:** limited resources and time, willingness of farmers to participate; criteria: important farming types and ES, location (ANC), include organic farms & small farms
- **Initial list of 55 farms; final 22 farms willing to co-operate in the survey:**
 - Production: 6 crop farms, 15 livestock farms (milk, cattle), 1 mixed farm
 - Econ. size: 50% farms 4,000–15,000 EUR SO, 2 farms below econ. threshold (2,000–4,000 EUR SO)
 - 19/22 in ANC, 5/22 organic farms
 - Average per farm (arithm.): 16 ha UAA, 1.4 AWU, 28 LU

2) **Selection of sustainability indicators, tested in the project:**

- Based on Ecorys list (Autumn 2022), previous national research (selected set of indicators, based on FLINT), several rounds of revisions & simplifications with data collectors (workshops, working meetings, testing questionnaire)
- Final list of tested indicators finalized by June 2023 (as per project programme)!
- Compared to final FSDN Annex VIII, majority of tested indicators in project are comparable (same, small differences, same topic covered ...); some indicators were not tested in project (non relevant, not feasible, too complex, too granular, already in other databases ...)

WP 3: Farm advisory service for improving the sustainability of agricultural holdings

Approach regarding sustainability data compilation – cont.

3) Data compilation, organization:

- **Experienced data collectors:** part of project team; employed at accounting office (experienced in FADN and direct work with farms) – time saved
- **Data collection for AY2022: In-person survey on farms from June–Sept. 2023;** data completion, processing, validation: end of 2023/beginning of 2024
- **Important instructions for data collectors prior to data collection:**
 - Provide informed consent of the surveyed farms
 - Besides new sustainability data, collect also some general and other relevant data about farms
 - Collect information about data compilation process: measure duration of different phases, report „bottlenecks“ in processes ...
 - Request to pre-fill the existing data for the survey farms
 - Request to collect data digitally as default (in Excel), not on paper!

DRUŽBENI KAZALNIKI

Področje D1: Generacijska prenova in obstoj kmetije

Kazalnik D1.1: Upravljanje kmetije

1.) Ali vaša družina upravlja kmetijo več kot eno generacijo? DA/NE

a) Koliko generacij? [Prosimo, navedite.] _____

b) Koliko let? [Prosimo, navedite.] _____

Kazalnik D1.2: Leto prevzema kmetije

1.) Kdaj je sedanjí nosilec KMG prevzel kmetijo? [Prosimo, navedite leto prevzema.] _____

Kazalnik D1.3: Urejenost nasledstva na kmetiji

1.) Imate zagotovljeno ali vsaj predvideno nasledstvo na vaši kmetiji? [Prosimo, izberite.]

a) Da, kmetija ima zagotovljenega/predvidenega naslednika;

b) ne, kmetija nima zagotovljenega/predvidenega naslednika;

c) ne vem (o potencialnem nasledniku še ne morem govoriti).

Področje D2: Varnost pri delu

Kazalnik D2.1: Število delovnih nesreč na kmetiji

1.) Koliko delovnih nesreč je bilo v zadnjem letu na vaši kmetiji? [Prosimo, navedite; kot nezgoda pri delu se šteje vsak dogodek pri delu, ki povzroči telesno ali psihično poklicno poškodbo/bolezen.] _____

Področje D3: Delovni pogoji

Kazalnik D3.1: Dnevno število delovnih ur gospodarja/upravitelja

1.) Kakšno je povprečno število delovnih ur dnevno gospodarjev/upraviteljev kmetije po dejavnostih? [Prosimo, navedite.] _____

a) Dejavnosti, povezane s kmetijstvom: _____

b) Dejavnosti, ki so povezane z drugimi pridobitnimi nekmetskimi dejavnostmi (npr. če ima gospodar/upravitelj drugo službo; OGA, ne pa tudi gospodinjstvo): _____

Kazalnik D3.2: Prosti dnevi gospodarja/upravitelja kmetije (velja za gospodarja/upravitelja kmetije)

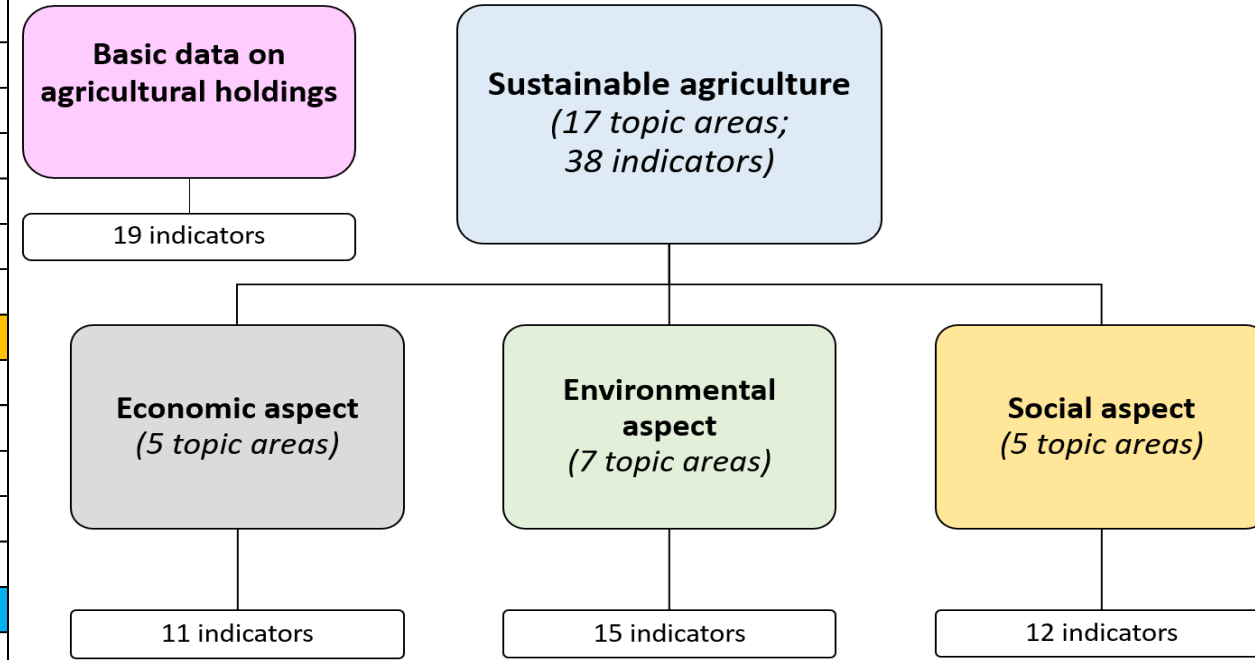
1.) Število prostih dni ("dopusta") v predhodnem letu (štejejo se dnevi brez dela na kmetiji)? [Prosimo, navedite.] _____

2.) Kdo vas nadomešča v času prostih dni ("dopusta") ali v primeru bolezni (nezmožnosti za delo na kmetiji)? [Prosimo, navedite.] _____

WP 3: Farm advisory service for improving the sustainability of agricultural holdings

Approach regarding sustainability data compilation: topics, indicators ...

Environmental topics
O1: Animal welfare
O2: Manure use and management
O3: Renewable energy
O4: Organic farming
O5: Agricultural practices
O6: Water management
O7: Landscape features
Social topics
D1: Generational renewal
D2: Work safety
D3: Working conditions
D4: Quality of life (infrastructure & access to services)
D5: Knowledge and training
Economic topics
E1: Innovation
E2: Risk management
E3: Market integration, quality schemes
E4: Total income of farm household, off-farm income
E5: Access to land

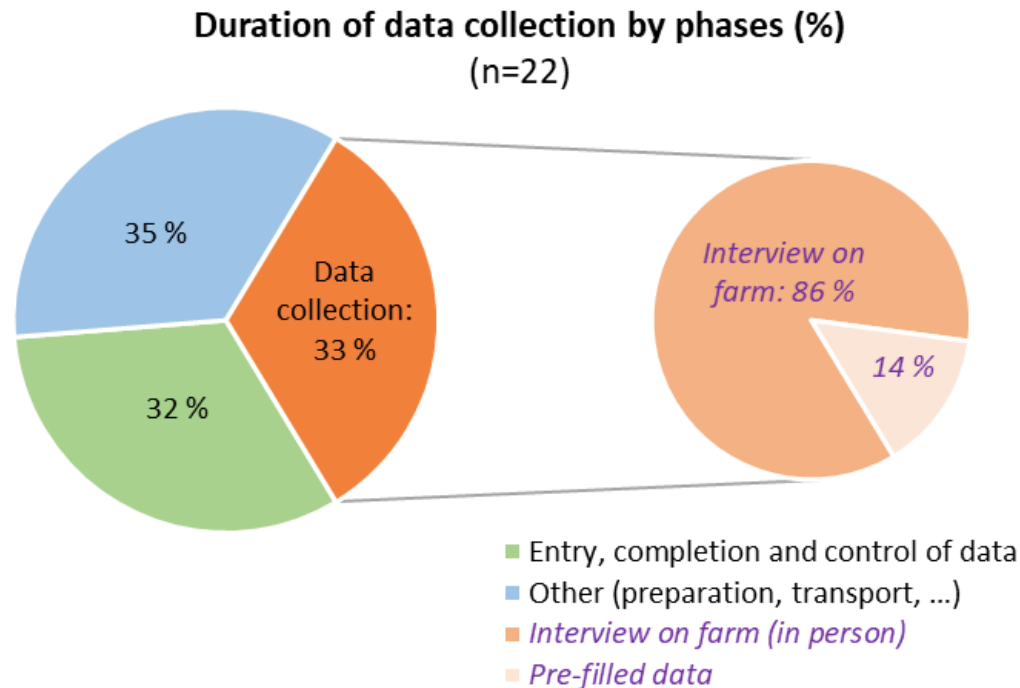


+ „Basic“ data: general and other relevant data about farms; e.g. areas, data from FADN, Registry of AH...

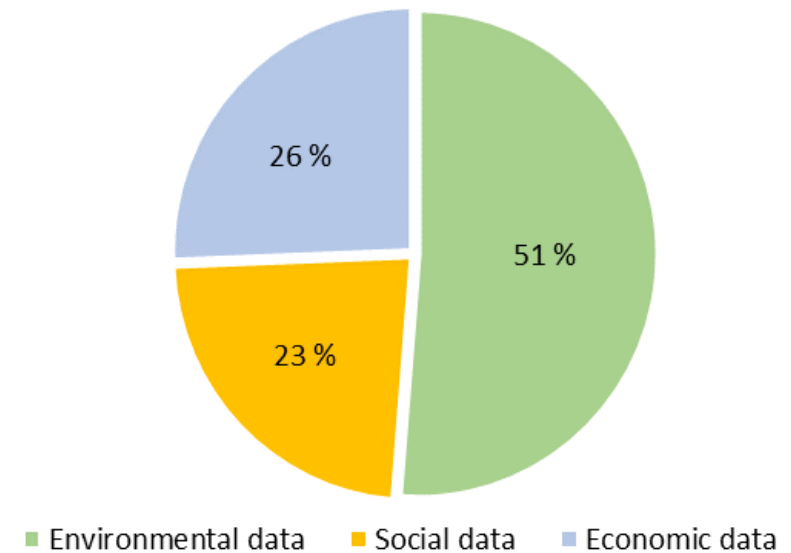
- **Data collection on real farms helped highlight (among others):** sensitive issues for farms, problematic definitions & instructions, importance of communication with farms & staff specialization and skills
- Some of the outcomes communicated to EC via LA (financer of the project) in the FSDN process
- Despite non-representative sample of surveyed farms, ***an important and timely feasibility exercise for SI!***

WP 3: Farm advisory service for improving the sustainability of agricultural holdings

Key outcomes: Duration of data compilation



Interview on farm: duration of data collection by sustainability aspect (%)
(n=22)



- **Data collection:** interview on farm (in-person) & pre-filled data
- **Total duration - average:** 5.4 hours/surveyed farm (min: 3.6 hours/farm, max. 7 hours/farm)
- **Estimation of additional costs of new sustainability data compilation based on project outcomes (many assumptions & disclaimers):** strengthening data sharing, digitalization and specialization of staff imperative to reduce/control costs!

Standardni rezultati FADN knjigovodstva za kmetijo: **KMG 16** (obračunsko leto 2022)

Mreža za računovodske podatke s kmetij (angl. Farm Accountancy Data Network ali FADN) je sistem poenostavljenega kmetijskega knjigovodstva, ki temelji na spoštovanju enakih računovodskih načel v vseh državah članicah EU. Izvaja se na vzorcu tržnih kmetijskih gospodarstev, namenjen pa je predvsem spremljanju dohodkov in analizam na ravni kmetijskega gospodarstva za podporo kmetijski politiki. V Sloveniji segajo začetki FADN v leto 1994, od leta 2004 pa je knjigovodstvo FADN usklajeno s predpisi na ravni EU. Z letom 2025 se sistem FADN spreminja v sistem FSDN oz. mrežo za podatke o trajnosti kmetij (angl. Farm Sustainability Data Network), v katerem se bodo zbirali dodatni podatki o trajnosti kmetij, in sicer predvsem novi okoljski in družbeni podatki. Z dodatnimi podatki bo mogoče bolje presojati in analizirati trajnost kmetijstva, prav tako pa izboljšati kmetijsko svetovanje na podlagi tudi teh novih podatkov.

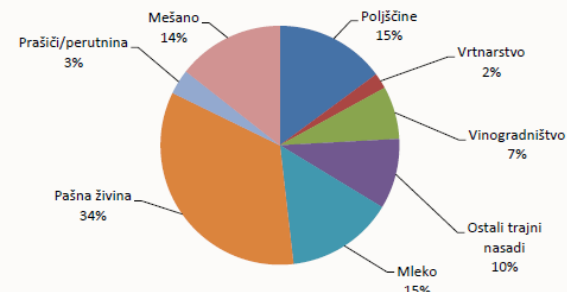
Rezultati, predstavljeni na tem informativnem pregledu, se redno zbirajo in objavljajo na podlagi vsakoletne raziskave FADN na vzorcu tržno usmerjenih kmetijskih gospodarstev v Sloveniji, ki je reprezentativen po (FADN) regiji, tipih kmetovanja in ekonomski velikosti. V Sloveniji je od leta 2010 prag ekonomske velikosti kmetijskega gospodarstva za vključitev v vzorec FADN enak 4.000 EUR SO. Standardni rezultati FADN so predstavljeni s povprečnimi (uteženimi) vrednostmi na kmetijsko gospodarstvo in podajajo dragocen vpogled v ekonomsko uspešnost in učinkovitost tržnih kmetijskih gospodarstev v Sloveniji. Na tem informativnem pregledu so dodani nekateri novi podatki o trajnosti kmetij, ki so bili zbrani v okviru projekta CRP V5-2229 (Podpora na dejstvih utemeljeni kmetijski politiki v Sloveniji: krepitev osnovnega FADN in podpora pri prehodu v FSDN).

Vzorec in populacija FADN v Sloveniji; obračunsko leto 2022

	2019	2020	2021	2022
Št. kmetijskih gospodarstev v vzorcu FADN	861	825	831	799
Št. kmetijskih gospodarstev v populaciji FADN	38.881	38.841	38.927	38.953

Proizvodni tip vaše kmetije: **Pašna živina**

Struktura celotnega FADN vzorca po tipu kmetovanja (TF8); 2022

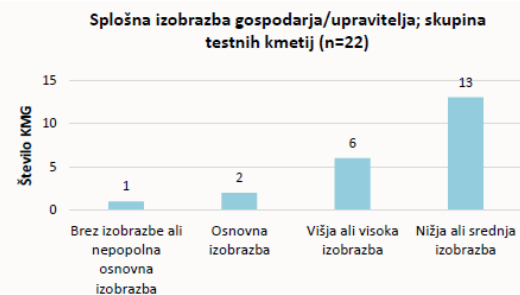


	FADN populacija; 2022	Popis kmet. 2020 (SUR5)*	Delež FADN populacije v celotni populaciji (Popis kmet. 2020=100)
SYS02 Št. kmet. gospodarstev	38.953	68.331	57
SE025 Skupaj KZU (v ha)	448.206	474.633	94
SE080 Skupaj število GVŽ (v GVŽ)	475.517	408.684	116
SE010 Skupaj vložek dela (v PDM)	47.567	66.326	72
SE005 Ekonomska velikost (v 000 EUR SO)	1.050.546	1.147.345	92

* Podatek za SO: iz vzorčnega raziskovanja o strukturi kmetijskih gospodarstev iz leta 2016

Osnovni podatki o vaši kmetiji; 2022

Šifra	Opis spremenljivke	Vaša kmetija	Skupina testnih kmetij
OP_12_1	Proizvodni tip (TF8)	6	/
OP_8	Socioekonomski tip kmetije	dopolnilna	/
OP_9	Starost gospodarja/upravitelja	50	50
OP_10	Število članov kmečkega gospodinjstva	4	3
OP_15	Splošna izobrazba gospodarja/upravitelja	Nižja ali srednja izobrazba	/
OP_19	Usmerjenost v ekološko pridelavo	NE	/



Osnovna proizvodna zmogljivost vaše kmetije in po tipih kmetovanja; 2022

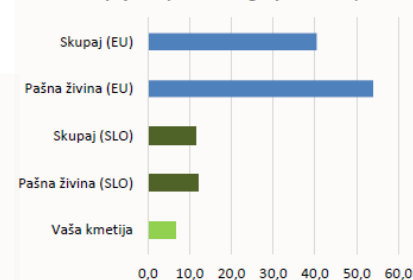
Šifra	Opis spremenljivke	Vaša kmetija	Pašna živina (SLO)	Skupaj (SLO)	Pašna živina (EU)	Skupaj (EU)
SE025	Skupaj KZU (ha/kmet. gospodarstvo)	6,5	12,0	11,5	53,9	40,4
SE080	Skupaj število GVŽ (GVŽ/kmet. gospodarstvo)	4,8	11,7	12,2	50,3	30,1
SE010	Skupaj vložek dela (PDM/kmet. gospodarstvo)	1,2	1,2	1,2	1,4	1,6
SE005	Ekonomska velikost (000 EUR SO/kmet. gospodarstvo)	6,6	14,3	27,0	63,7	94,5

Šifra	Opis spremenljivke	Vaša kmetija	Skupina testnih kmetij	Skupaj (SLO)	Skupaj (EU)
OP_18_i	Lastna KZU (ha)	6,5	9,4	7,3	16,1
OP_18_ii	KZU v najemu (ha)	0,0	9,0	4,2	24,3
OP_2_i	Površina njiv (ha)	0,0	4,8	4,2	28,6
OP_2_ii	Površina travnikov (ha)	6,5	9,9	6,5	10,0
OP_2_iii	Površina trajnih nasadov (ha)	0,0	7,8	0,7	1,9
OP_2_iv	Površina vinogradov (ha)	0,0	0,9	0,4	0,7
OP_3	Delež KZU na območjih OMD (%)	100,0	100,0		
OP_4	Delež KZU na območjih NATURA 2000 (%)	0,0	/		
OP_13_3	Obtežba (GVŽ/ha)	0,7	1,3		
OP_13_4	Mlečnost krav molznic (kg)	/	4.311		

Vaša kmetija: raba zemljišč; % KZU

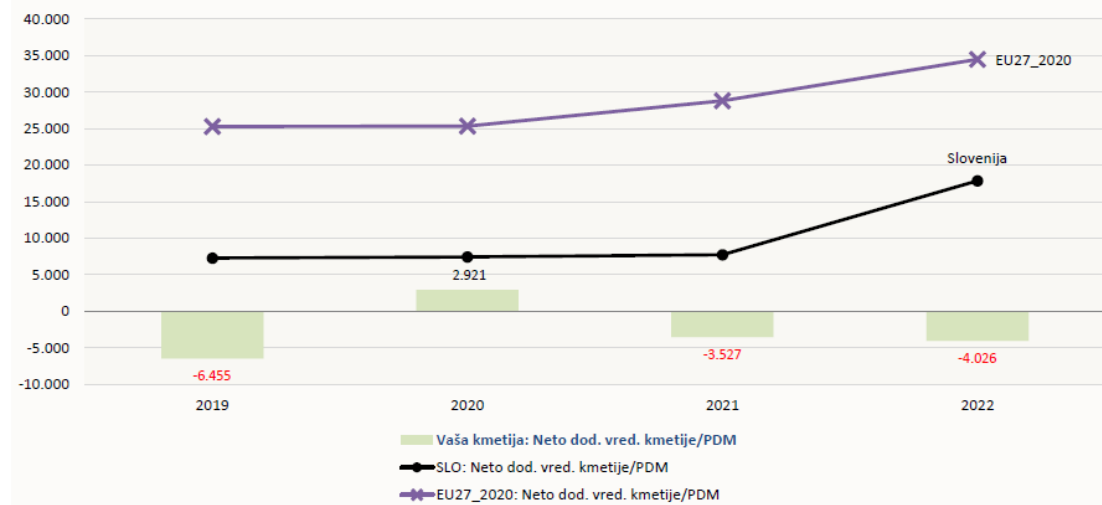


Skupaj KZU (ha/kmet. gospodarstvo)

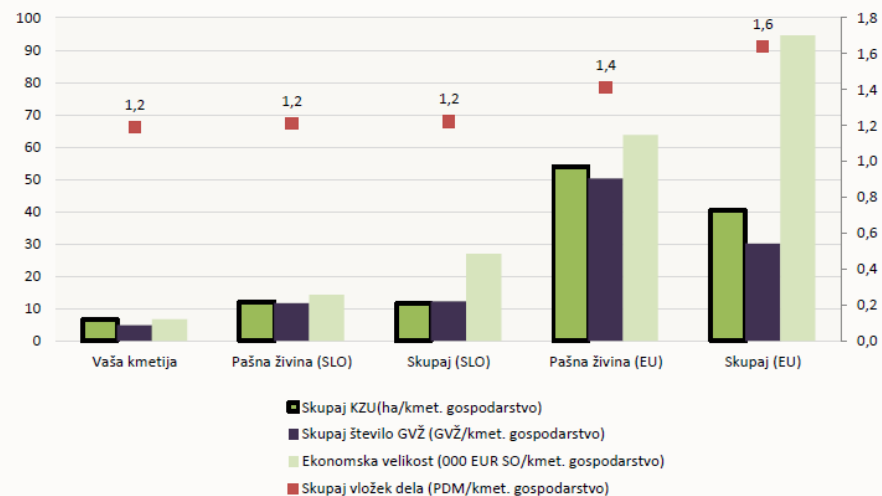


Excerpt from the upgraded feedback for farms: key FADN and some new sustainability results (with permission of surveyed farm): pg. 1

Dohodki vaše kmetije na enoto dela - primerjava med leti (EUR/kmetijsko gospodarstvo); 2022



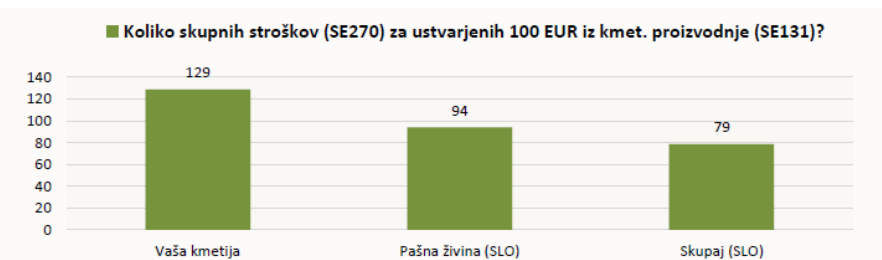
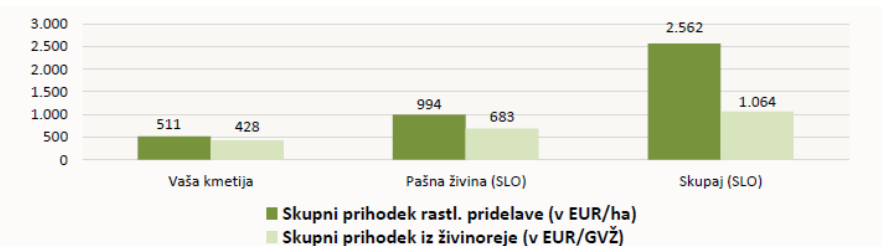
Proizvodna zmogljivost vaše kmetije - primerjava med leti; 2019–2022



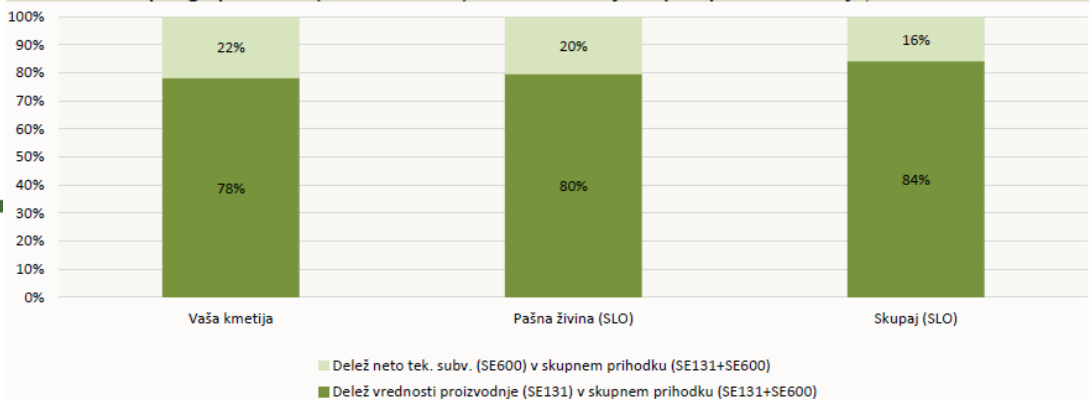
Excerpt from the upgraded feedback for farms: key FADN and some new sustainability results (with permission of surveyed farm): pg. 2

Pregled ekonomskih in finančnih rezultatov za vašo kmetijo in po tipih kmetovanja (EUR/kmet. gosp.); 2022

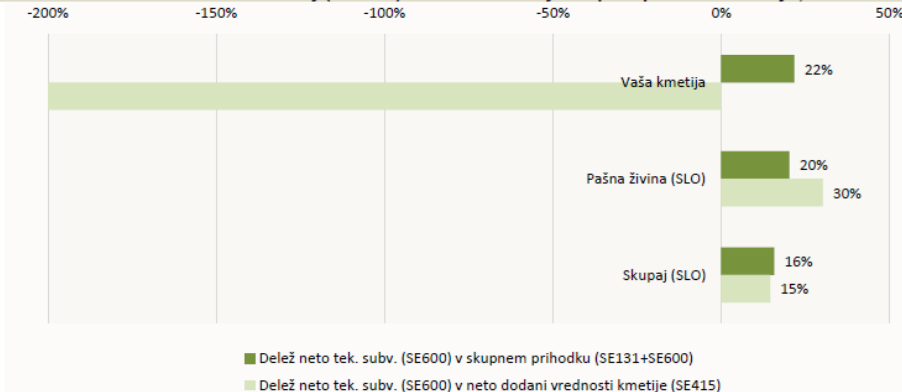
Šifra	Opis spremenljivke	Vaša kmetija	Pašna živina	Skupaj
SE131	Skupaj vrednost proizvodnje	9.022	31.395	50.526
SE135	Skupaj vrednost rastlinske pridelave	3.339	11.784	25.546
SE206	Skupaj vrednost živali in živalskih proizvodov	2.074	8.785	17.012
SE256	Ostali prihodki	3.609	10.826	7.967
SE270	Skupaj stroški	11.608	29.518	39.678
SE275	Skupaj vmesna poraba	10.360	20.469	27.832
SE360	Amortizacija	1.248	8.325	10.351
SE365	Stroški z zunanjimi dejavniki	0	724	1.495
SE132	Vrednost proizvodnje (output) = / Skupni vložki (input = skupaj stroški)	78%	105%	127%
SE131+SE600	Skupni prihodek	11.531	39.379	59.993
SE600	Bilanca tekočih subvencij in davkov	2.509	7.984	9.467
SE605	Skupne subvencije, brez investicij	3.831	8.583	9.958
SE630	Proizvodno nevezana plačila	1.564	2.868	2.855
SE624	Skupne podpore za razvoj podeželja in kmetijsko strukturno politik	1.326	3.200	3.178
	Ostale subvencije	941	2.515	3.926
SE410	Bruto dodana vrednost kmetije	1.171	18.910	32.161
SE415	Neto dodana vrednost kmetije	-77	10.585	21.809
SE420	Neto dohodek kmetije	59	10.152	20.621
SE425	Neto dodana vrednost kmetije/PDM	-65	8.748	17.860
SE430	Dohodek kmečke družine/PDMd	50	8.448	17.481
SE436	Skupaj sredstva ob zaključnem vrednotenju	219.333	294.076	319.300
SE485	Skupaj obveznosti do virov sredstev	361	8.132	16.832
SE501	Lastni kapital	218.972	285.943	302.467
SE510	Povprečna vrednost kapitala v obračunskem letu	25.856	122.556	162.186
SE516	Bruto investicije	10.876	10.242	15.962
SE521	Neto investicije	9.628	1.916	5.611



Struktura skupnega prihodka (SE131+SE600) za vašo kmetijo in po tipih kmetovanja; 2022

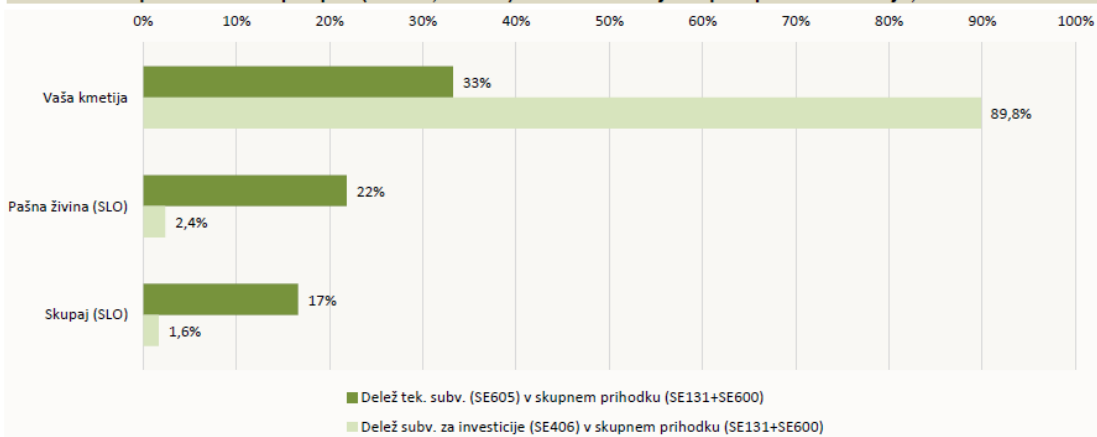


Pomen neto tekočih subvencij (SE600) za vašo kmetijo in po tipih kmetovanja; 2022

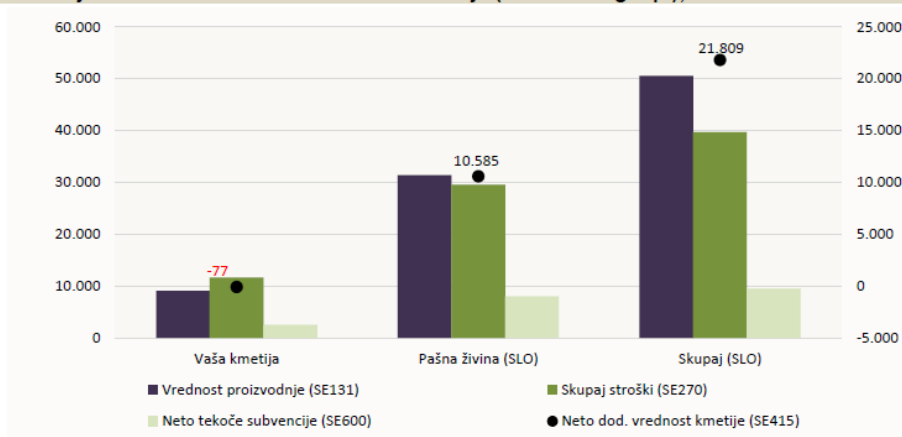


Excerpt from the upgraded feedback for farms: key FADN and some new sustainability results (with permission of surveyed farm): pg. 3

Pomen neto proračunskih podpor (SE605, SE405) za vašo kmetijo in po tipih kmetovanja; 2022



Primerjava ekonomskih rezultatov vaše kmetije (EUR/kmet. gosp.); 2022



Okoljski kazalniki

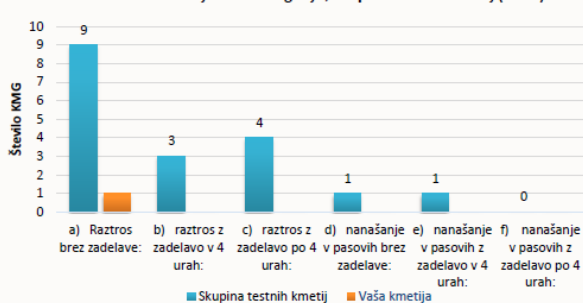
Šifra	Opis kazalnika	Vaša kmetija	Skupina testnih kmetij
O1.1_2	Dostop živali do zunanjih površin (izpust iz hleva na dvorišče)	NE	/
O1.2_1	Paša živali	NE	/
O1.2_1a_j	Število dni na paši - govedo	/	184
O1.2_1c_j	Število dni na paši - konji	/	365
O2.2_4	Kapaciteta skladišča za živinska gnojila (m3):		
O2.2_4a	a) Gnojišče:	158	116
O2.2_4b	b) jama za gnojnico:	50	45
O2.2_4c	c) jama za gnojevko:	0	454
O2.3_1	Obremenitev KZU z dušikom iz živinskih gnojil (kg N/ha KZU)	54,7	98,4
O2.4_1	Tehnike nanašanja živinskih gnojil:		
O2.4_1a	a) Raztros brez zadelave:	DA	/
O2.4_1b	b) raztros z zadelavo v 4 urah:	NE	/
O2.4_1c	c) raztros z zadelavo po 4 urah:	NE	/
O2.4_1d	d) nanašanje v pasovih brez zadelave:	NE	/
O2.4_1e	e) nanašanje v pasovih z zadelavo v 4 urah:	NE	/
O2.4_1f	f) nanašanje v pasovih z zadelavo po 4 urah:	NE	/
O3.1_1	Proizvodnja energije iz obnovljivih virov	NE	/
O3.1_1i	Letna količina energije, proizvedene iz obnovljivih virov (kWh)	0	43.980
O4.1_1b	Delež prodanih ekoloških proizvodov od celotne vrednosti kmetijske proizvodnje	0	100*
O7	Delež krajinskih značilnosti v KZU (%)	25,1	8,9

* Povprečje KMG, ki imajo ekološko pridelavo

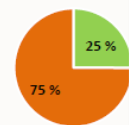
Družbeni kazalniki

Šifra	Opis kazalnika	Vaša kmetija	Skupina testnih kmetij
D1.1_1	Upravljanje kmetije več kot eno generacijo	DA	/
D1.1_1b	Obstoj kmetije (leta)	20	169
D1.2_1	Število let od prevzema kmetije s strani sedanjega gospodarja	15	15
D1.3_1	Urejenost nasledstva na kmetiji	DA	/
D3.1_1	Dnevno število delovnih ur gospodarjev/upraviteljev v kmetijskih dejah	3	6
D3.2_1	Število prostih dni nosilca kmetije	7	11
D5.4_1	Letno število svetovanj na kmetiji	<2	/
D5.4_2	Vsebinska področja izvedenih svetovanj:		
D5.4_2a	a) Tehnološko področje:	DA	/
D5.4_2b	b) gospodarsko (ekonomsko) področje:	DA	/
D5.4_2c	c) okoljevarstveno področje:	NE	/
D5.4_2d	d) izdelava razvojnih načrtov:	NE	/
D5.4_2e	e) uveljavljanje ukrepov kmetijske politike:	NE	/
D5.4_2f	f) organizacija in delovanje rejskih organizacij, organizacij pridelovalcev	NE	/
D5.4_2g	g) področje kmetijskih in s kmetijstvom povezanih predpisov;	NE	/
D5.4_2h	h) drugo:	NE	/
D5.3_1b	Letno število ur kmetijskih usposabljanj članov kmečkega gospodinjstva	6	24

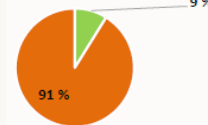
Tehnike nanašanja živinskih gnojil; skupina testnih kmetij (n=17)



Delež krajinskih značilnosti v KZU (%); vaša kmetija



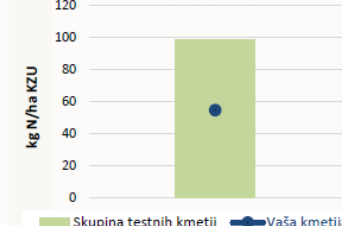
Delež krajinskih značilnosti v KZU (%); skupina testnih kmetij (n=21)



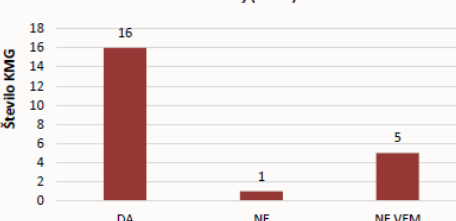
Letna količina energije, proizvedene obnovljivih virov (n=10)



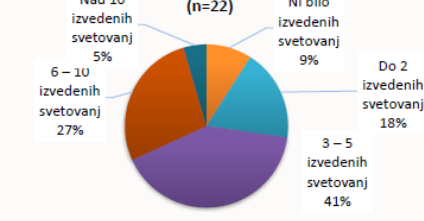
Obremenitev KZU z dušikom iz živinskih gnojil (n=17)



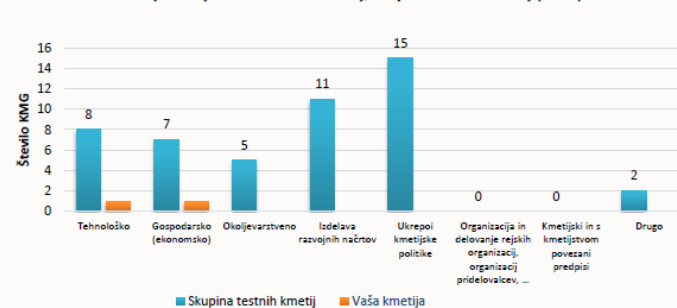
Urejenost nasledstva na kmetiji; skupina testnih kmetij (n=22)



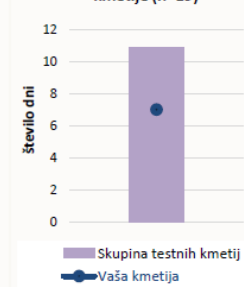
Število svetovanj v letu 2022; skupina testnih kmetij (n=22)



Vsebinska področja izvedenih svetovanj; skupina testnih kmetij (n=20)



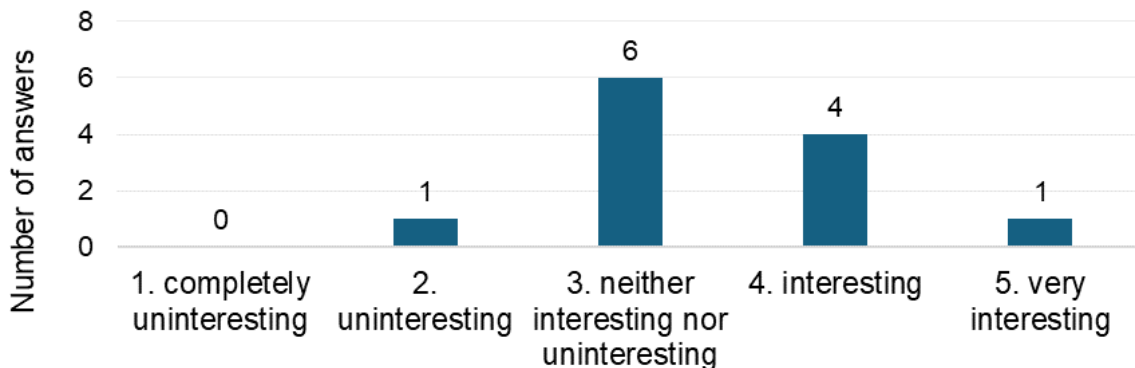
Število prostih dni nosilca kmetije (n=19)



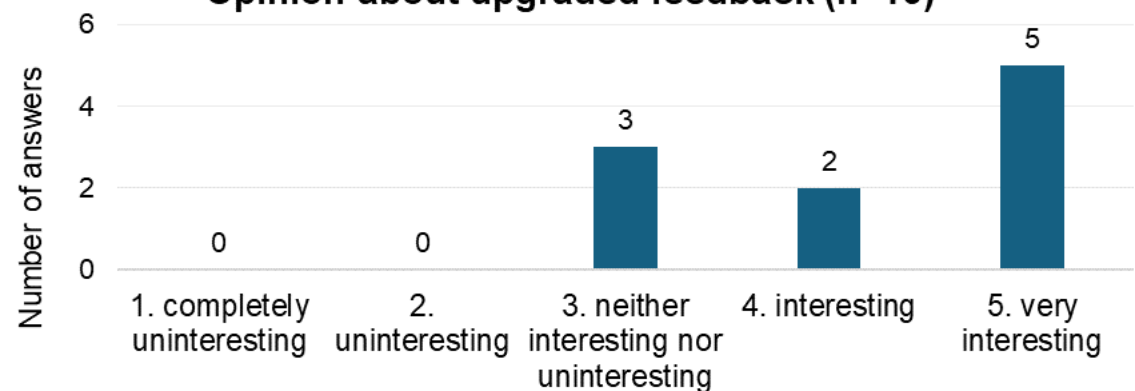
Excerpt from the upgraded feedback for farms: key FADN and some new sustainability results (with permission of surveyed farm): pg. 4

WP 3: Opinions of surveyed farms (April 2024)

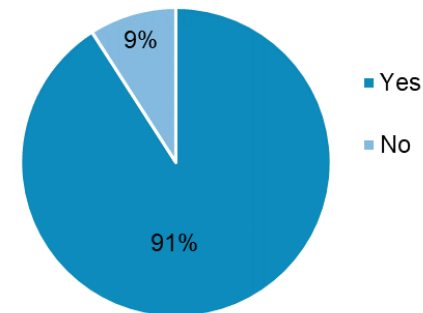
Opinion about current farm feedback (n=12)



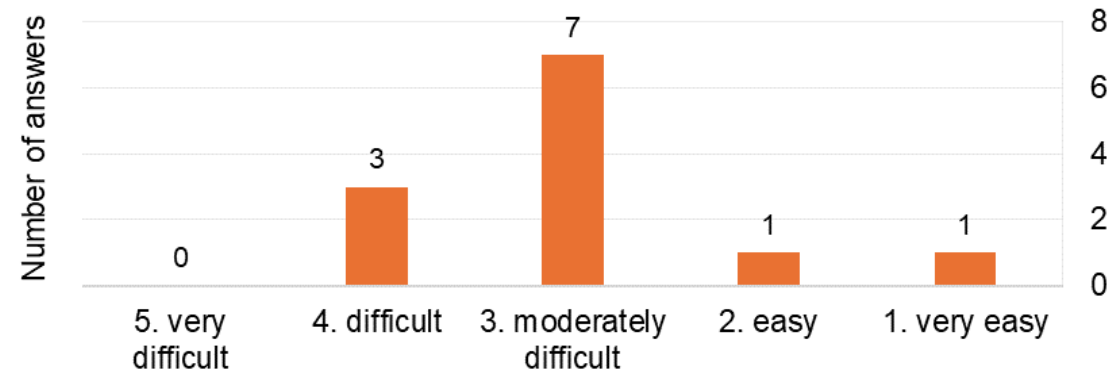
Opinion about upgraded feedback (n=10)



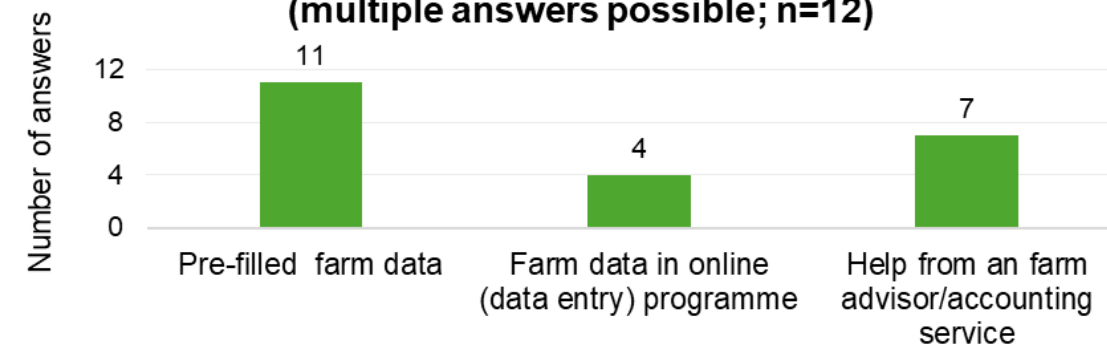
Do you think that with introduction of FSDN data will be more useful for your farm? (n=11)



Difficulty of collecting additional data (n=12)

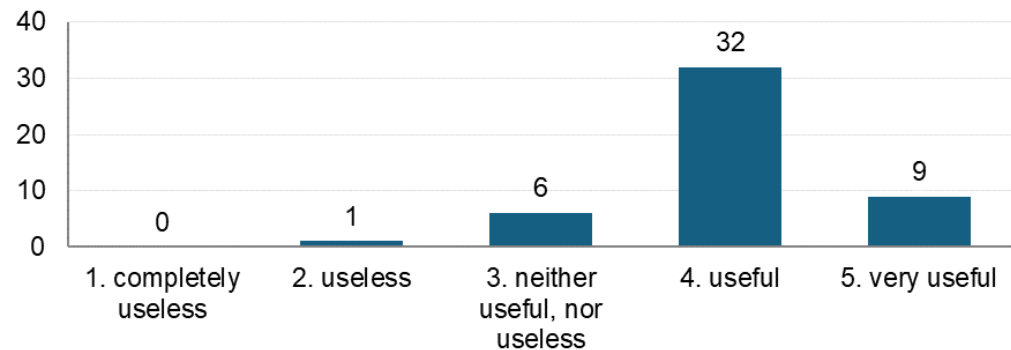


How to reduce burden of data collection data collecting burden for farms? (multiple answers possible; n=12)

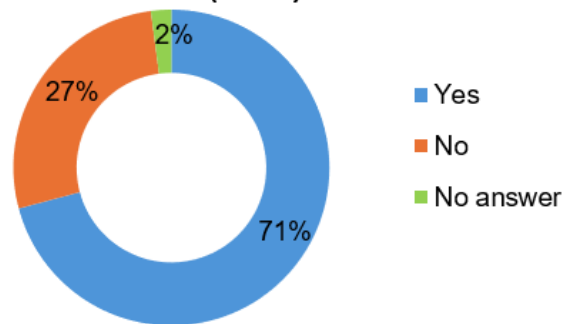


WP 3: Opinions of farm advisors about FADN and FSDN (September 2024)

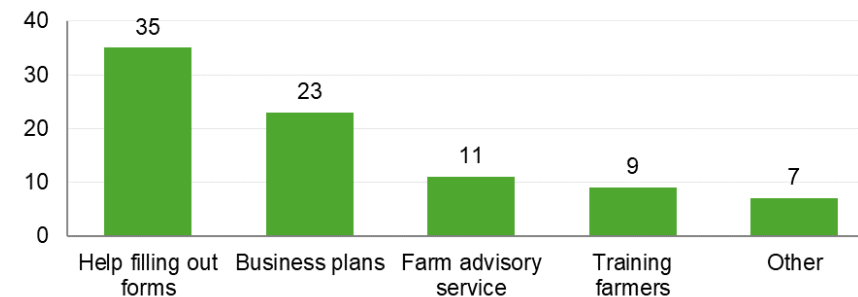
Usefulness of FADN accountancy (opinions of farm advisors; n=48)



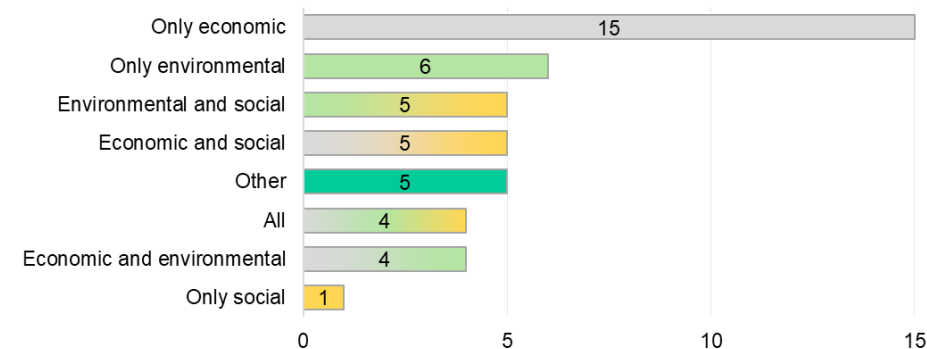
Do farm advisors use FADN at work? (n=48)



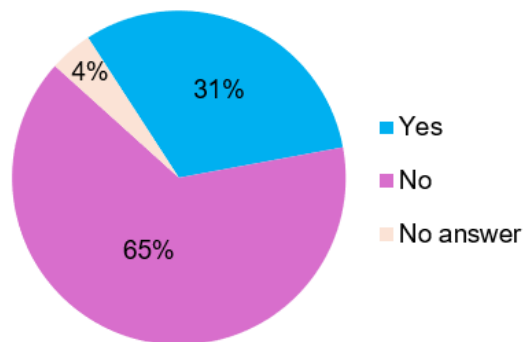
How farm advisors use FADN results at work? (multiple answers possible; n=41)



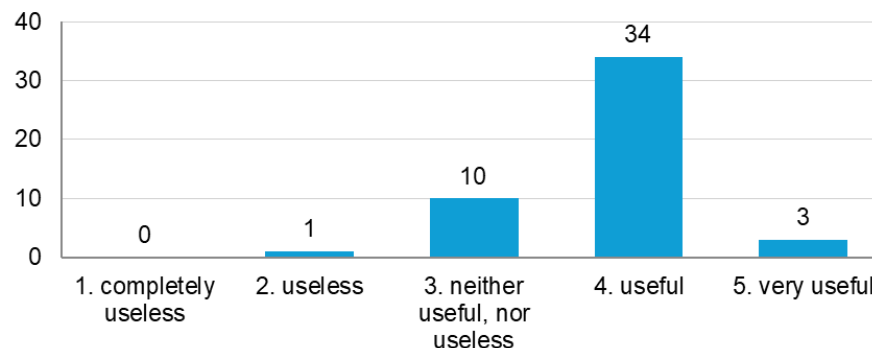
Which new FSDN data will be the most useful for farm advisory? (opinion of farm advisors; multiple answers possible; n=48)



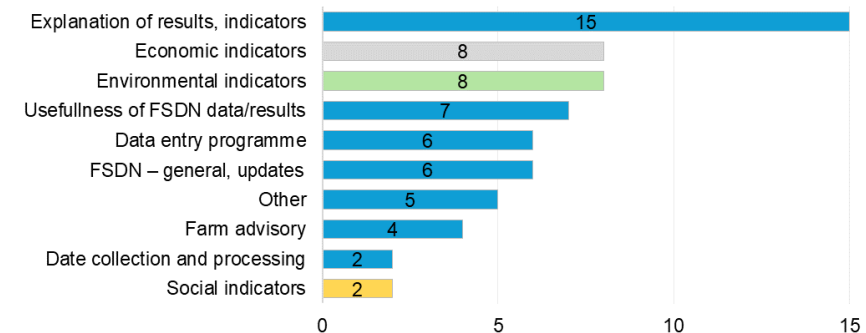
Farm advisory service based on FADN (n=48)



(Potential) usefulness of new FSDN data (opinions of farm advisors; n=48)

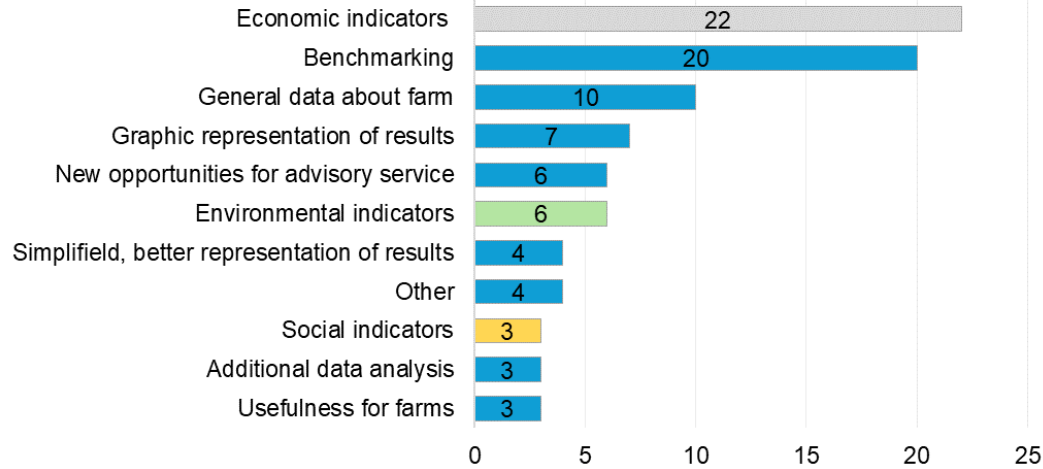


Most interesting training topics related to FSDN (opinions of farm advisors; multiple answers possible; n=48)

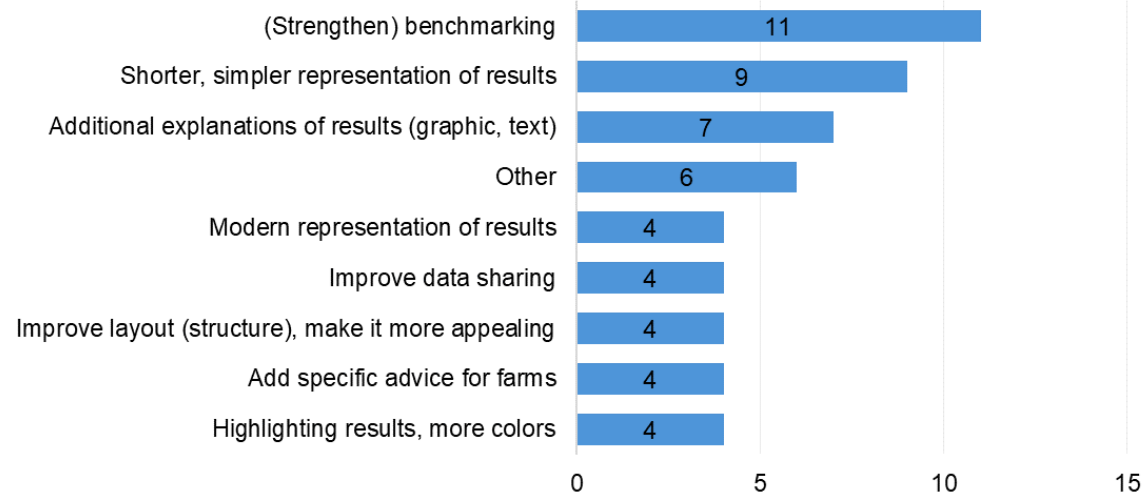


WP 3: Opinions of farm advisors about the upgraded feedback, general suggestions on FADN/FSDN (September 2024)

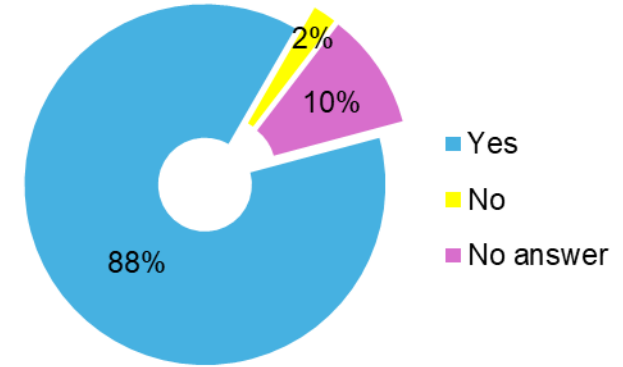
Which part/data of the presented farm feedback would be the most useful for farm advisory?
(opinions of farm advisors; multiple answers possible; n=38)



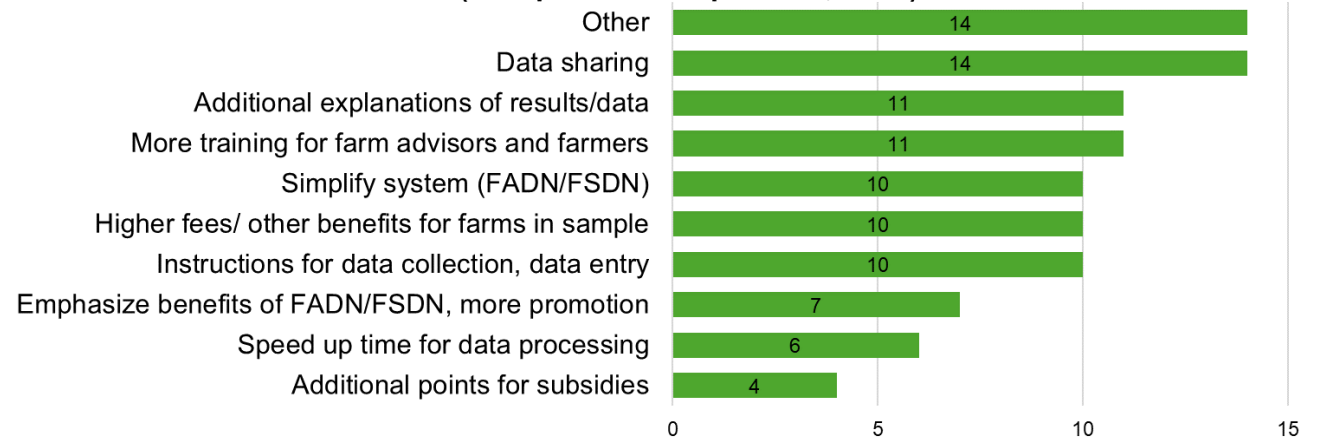
How to improve the presented farm feedback?
(opinions of farm advisors; multiple answers possible; n=33)



Would the proposed farm feedback be useful for farm advisory? (n=48)



(General) suggestions of farm advisors about FADN/FSDN
(multiple answers possible; n=37)



Conclusions

- 1) **Both key aims** (timely and comprehensive support in the FSDN process, contributions *for strengthening the core FADN; for the duration of project*) **and specific goals met.**
- 2) **Important and timely (small-scale) feasibility exercise for Slovenia; major aspects of conversion to FSDN examined** (*parallel to EU level process*); direct work with farmers, co-operation with key stakeholders in FADN network. Several project outcomes were or can be directly used in the FSDN conversion process.
- 3) **Project outcomes confirm previously observed weaknesses of Slovenian FADN:** weak or non-existent data sharing (in terms of FADN and new sustainability data), organizational & administrative obstacles, staff capacity (specialization, digital skills, generational renewal needed), burden of data collection on farms, also non-existent strategy on FADN/FSDN data usage and management.
- 4) **Some limitations:** unrepresentative sample of surveyed farms, short project (FSDN indicators finalized at the very end of the project) ...

Some implications for conversion to FSDN in Slovenia

Final FSDN compromise added more time than expected few months ago; substantial financial resources for conversion to FSDN!



Source: Pixabay

- 6) **Overall significant systemic and organizational changes* needed ASAP:**
 - Top-down strategy regarding FADN/FSDN (data usage & management) and stricter timeline needed!
 - „Reshuffle“ & streamline organization & communication among and within the stakeholders (especially within LA)
 - Balanced budget: support also staff recruitment & specialization, incentivise farmers (also through better feedback and advisory service), not only IT system development
 - Strengthen data sharing to reduce burden on farmers and data collection system
 - Work on selection and incentive plan (farm sample)
- 7) **Status quo at conversion to FSDN** (= doing it the same way as FADN) would be **very time consuming, expensive and would critically endanger the core FADN!**
- 8) **The ball is now on the side of the Liaison Agency (MAFF)!**

** EC Mission to Slovenia (February 2, 2024): Data sharing, improving organization: key ways forward!*

Thank you for your attention!

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