

Organisation



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Department of Agriculture isheries and Forestry

Animal health information system to strengthen early warning system

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Section 1: iSIKHNAS as backbone surveillance in Indonesia

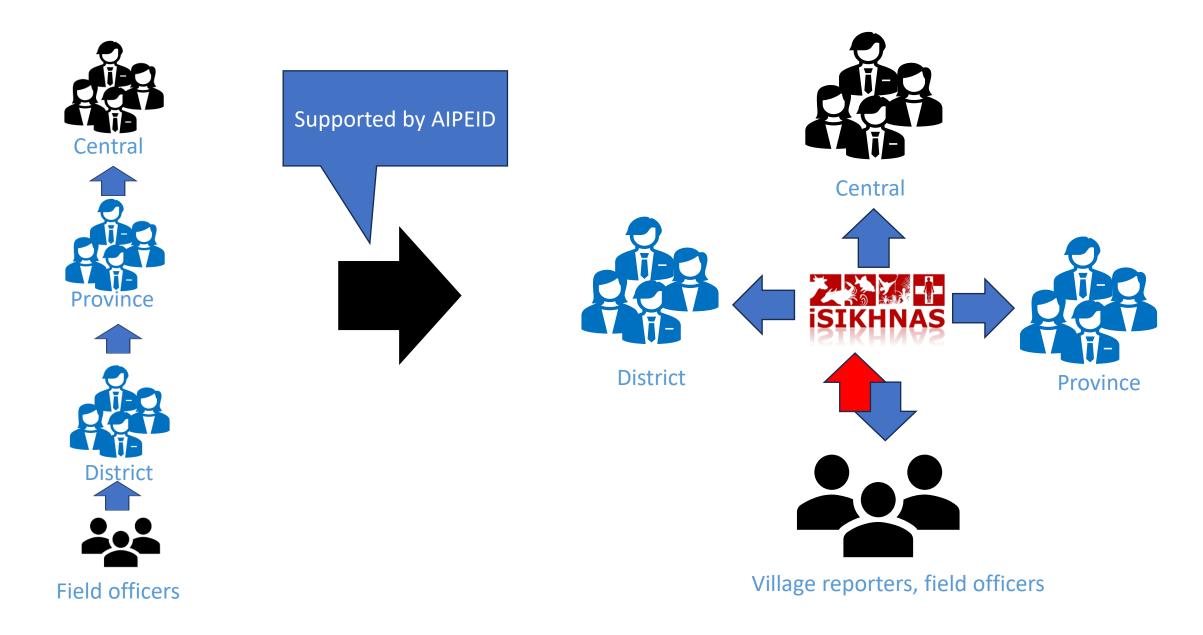
Section 2: Monitoring general signs reports

Section 3: Monitoring priority disease reports

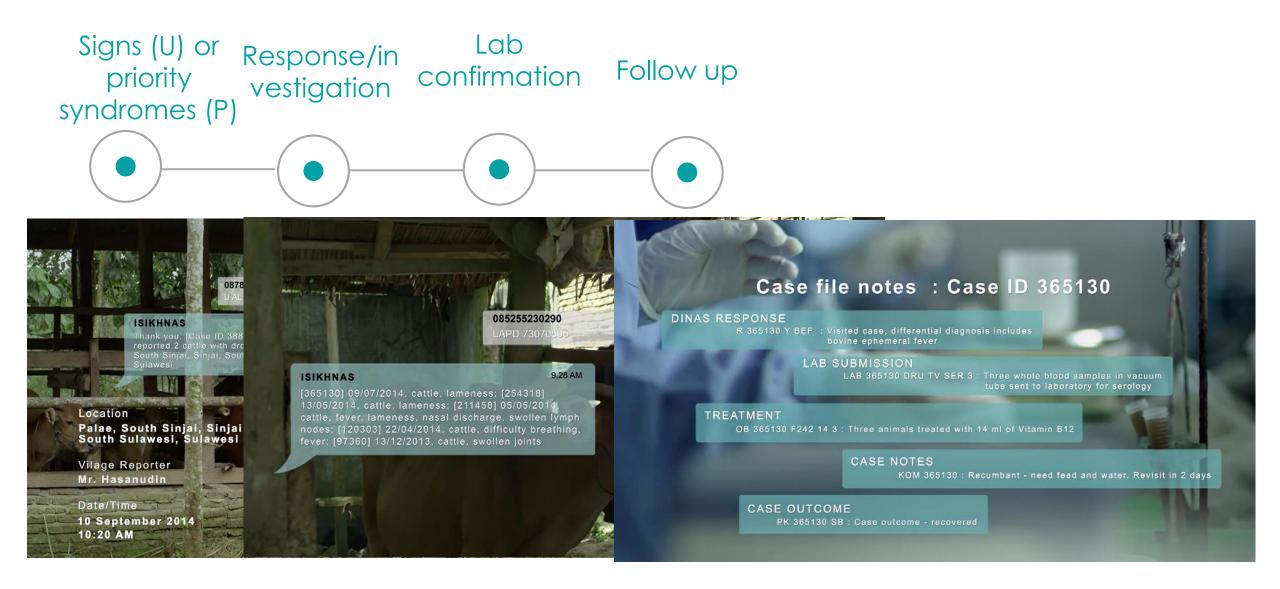


Section 1: iSIKHNAS as backbone surveillance in Indonesia

From conventional disease reporting to iSIKHNAS





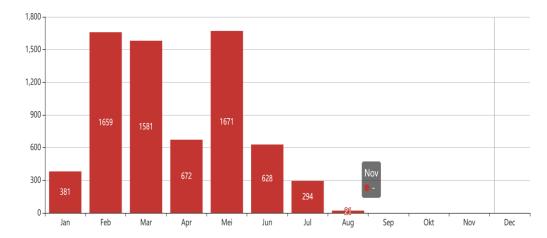




Bank of data for control strategies in animal health

idkasus	tanggal_kejadian	pelapor_kasus					jenis_hewan	hewan_terdampak	diagnosa_banding	diagnosa_definitif	Tanggal investigasi	Nama pelapor LTL	Spesies
35114701	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Malonas	sapi	28	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	20/06/2023	Rahman	sapi
35114701	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Malonas	sapi	28	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	14/04/2023	Rahman	sapi
35114701	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Malonas	sapi	28	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	10/03/2023	Rahman	sapi
35114701	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Malonas	sapi	28	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	10/03/2023	Rahman	sapi
35114701	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Malonas	sapi	28	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	16/02/2023	Karsono S.ST	sapi
35114719	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Ponggerang	sapi	3	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	17/03/2023	Rahman	sapi
35114719	01/01/2023	Sudirman SP	Sulawesi Tengah	Donggala	Dampelas	Ponggerang	sapi	3	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	16/02/2023	Karsono S.ST	sapi
35114776	01/01/2023	Karsono S.ST	Sulawesi Tengah	Donggala	Dampelas	Rerang	Sapi PO Donggala	1	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	17/03/2023	Rahman	sapi
35114776	01/01/2023	Karsono S.ST	Sulawesi Tengah	Donggala	Dampelas	Rerang	Sapi PO Donggala	1	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	17/03/2023	Rahman	sapi
35114776	01/01/2023	Karsono S.ST	Sulawesi Tengah	Donggala	Dampelas	Rerang	Sapi PO Donggala	1	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	07/03/2023	Karsono S.ST	sapi
35114776	01/01/2023	Karsono S.ST	Sulawesi Tengah	Donggala	Dampelas	Rerang	Sapi PO Donggala	1	Penyakit Mulut dan Kuku	Penyakit Mulut dan Kuku	07/03/2023	Karsono S.ST	sapi







Section 2: Monitoring general signs reports

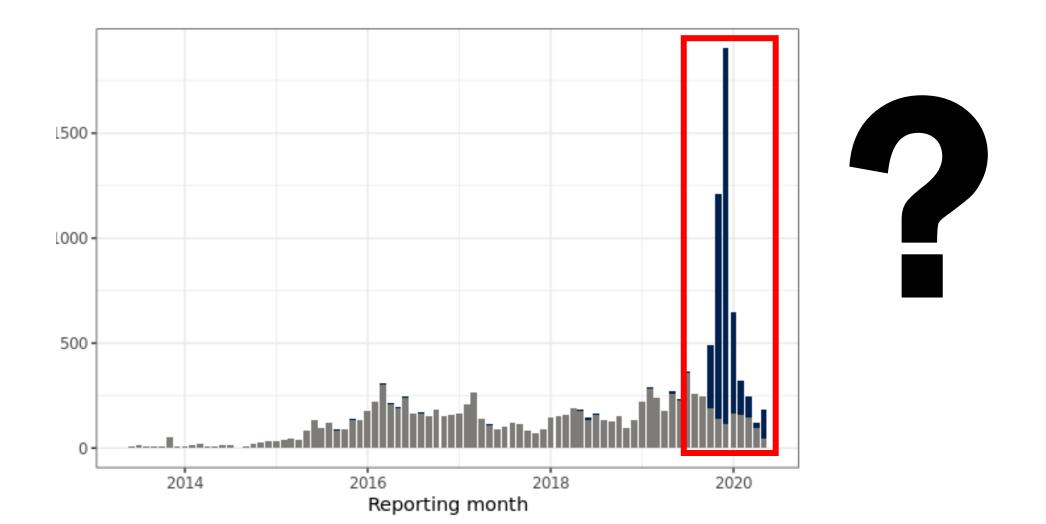
- Monitoring period:
 - monthly
- Monitoring target:
 - Cumulative reports (monitoring trend) per spesies
 - Diarhhea in ruminant \rightarrow BVD?
 - Decrease in production in poultry \rightarrow AI?
 - Abortion → Brucellosis/Leptospira?
 - Anorexia in pigs \rightarrow ASF?
 - Fever → Emerging Infectious Disease?





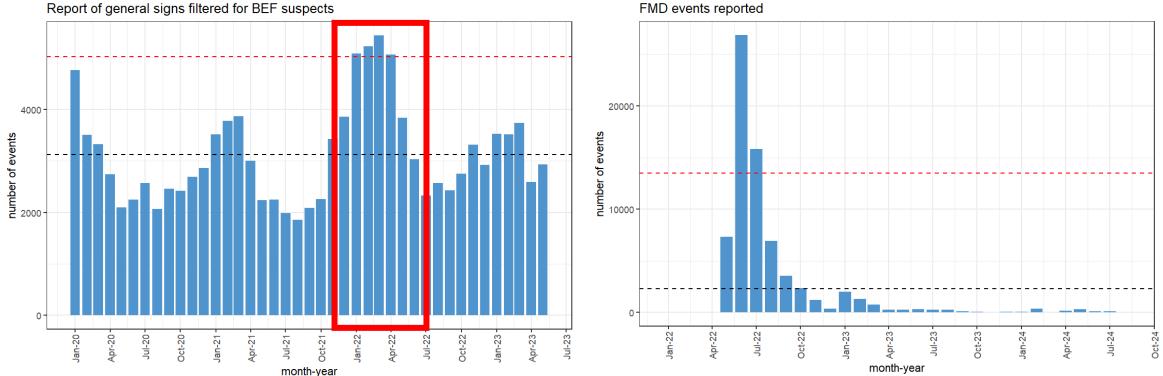


Reporting of general signs in pigs to predict ASF





Reporting of general signs (BEF suspects) to predict priority diseases, FMD





Section 3: Monitoring priority disease reports



Priority disease Monitoring

- Monitoring period:
 - Every report
- Monitoring target:
 - Individual report
 - Location
 - Disease suspect

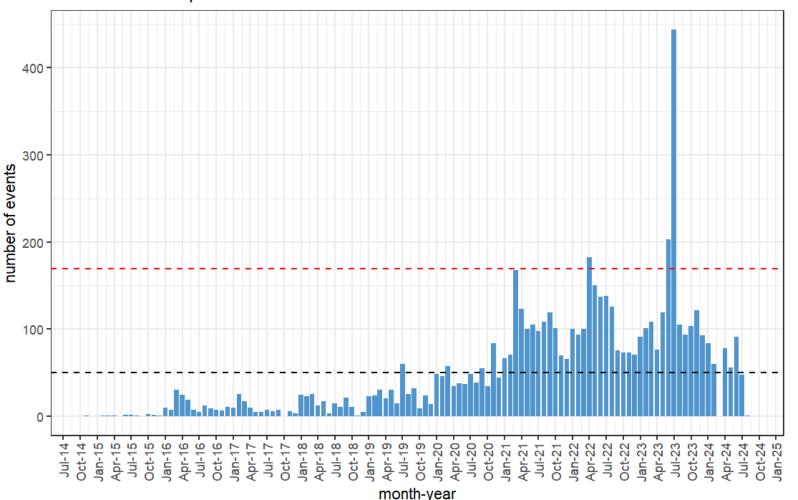






Monitoring confirmed reports

- Monitoring period:
 - Monthly
- Monitoring target:
 - Cumulative reports (Monitoring trend)



Rabies events reported



Lesson learnt from Lumpy Skin Disease reporting

Created: Sunday, 15 November 2020



Anda lihat ada timbul banyak benjolan pada kulit Sapi dan Kerbau? (mungkin disertai demam, penurunan produksi, kelesuan) Waspadalah! Ini mungkin penyakit Lumpy Skin Disease/LSD, laporkan kepada dokter hewan terdekat.

Informasi ini disampaikan oleh Direktorat Kesehatan Hewan

First Report of LSD suspect: Tuesday, 17 November 2020

III Tsel-PakaiMasker 4G 4:19 PM



iSIKHNAS

Sukanagara, Kutawaringin, Bandung, Jawa Barat. DDx: Avian Influenza - LPAI

iSIKHNAS> [Syndrom prioritas: 25956129] Muhammad Alawi (082299543667) melaporkan 1 ekor yang dicurigai Lumpy skin disease pada sapi di Suntalangu, Suela, Lombok Timur, Nusa Tenggara Barat. DDx: Lumpy skin disease



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- iSIKHNAS is a backbone for surveillance in animal disease events: real time, reach relevant stakeholders and link to other animal health data
- Regular monitoring and analysis of data from iSIKHNAS is crucial to predict emerging disease: tools for early warning
- Evalution on the iSIKHNAS is important to keep updated with needs from the field



Thank you



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