



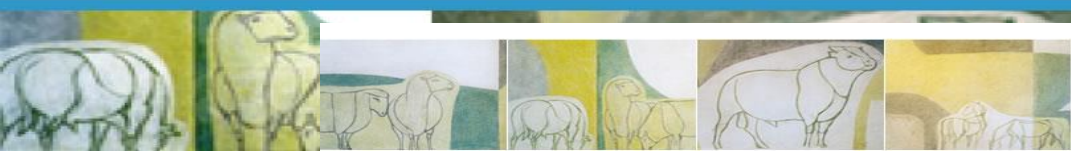
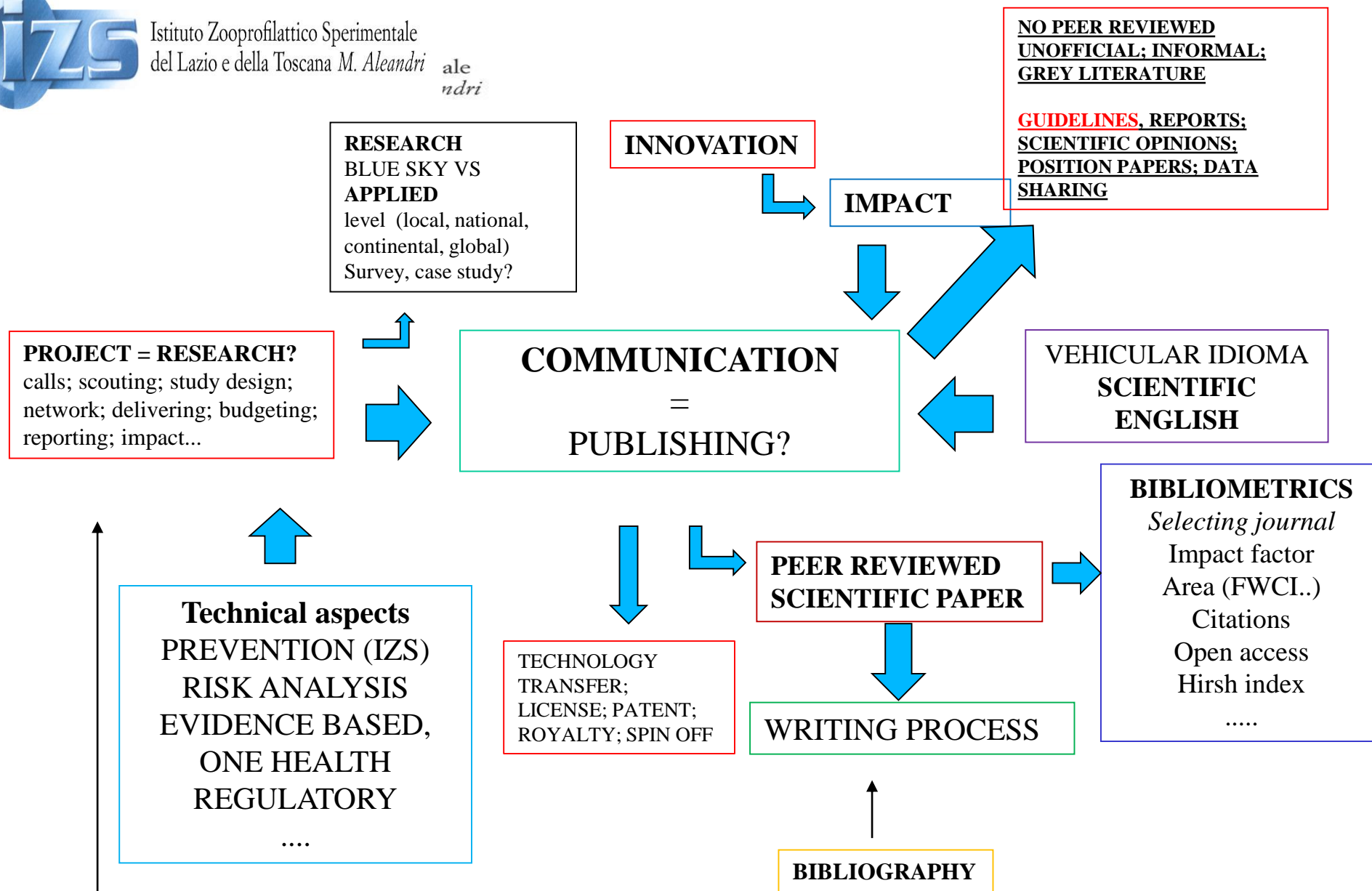
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# Gestione del dato

Quali dati producono i Servizi Veterinari  
territoriali?

Chi utilizza tali dati?







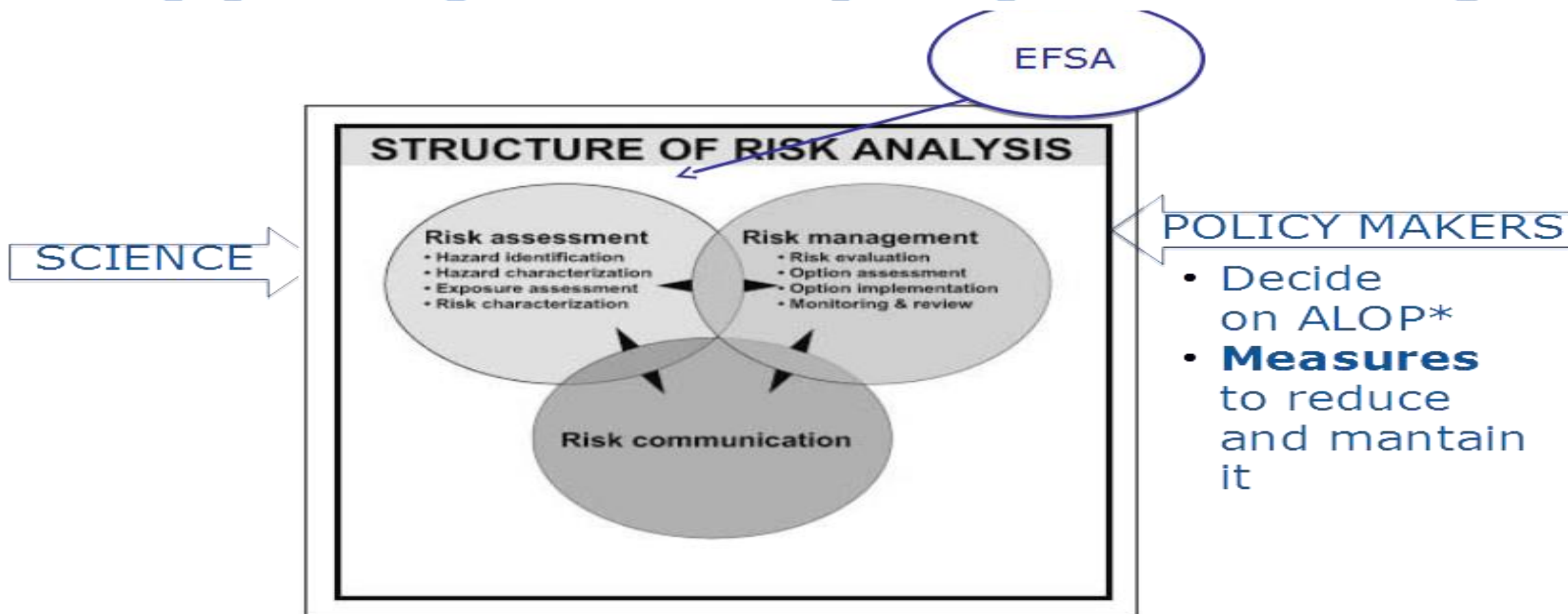
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**NO PEER REVIEWED**  
**UNOFFICIAL; INFORMAL; GREY**  
**LITERATURE**

**GUIDELINES,**  
**REPORTS; SCIENTIFIC OPINIONS;**  
**POSITION PAPERS; DATA SHARING**



# COMMUNITY POLICY MAKERS



\* ALOP: Appropriate Level of Protection





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# **INPUTS to POLICY MAKERS ON MEASURES TO BE DECIDED**

**Preferred options**  
(measures, including methods & procedures)  
**evidence based**

**RISK ASSESSMENT**

***BY EFSA***

**COST BENEFIT**

***BY STAKEHOLDERS***







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# Reasons called to weaken veterinary service role in OCs

## *Example – Veterinary inspection in SH*

Favorable epidemiological situation in EU (most zoonoses are under control or eradicated)



Rarer presence of gross pathognomonic lesions



Veterinary diagnostic skills are seldom called into play on site frequency enough to generate meaningful data



The value of carcass-by-carcass visual inspection or in-plant screening by professional veterinary inspectors is greatly diminished



# Evidence-based decisions.....

May we rely on evidence if there are strong doubts about data quantity and quality????





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European  
Commission



DG Health  
and Food Safety

## COUNTRY PROFILE **Organisation of Official Controls**

Health and  
Food Safety







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Brussels, 14.9.2018  
COM(2018) 627 final

REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND  
THE COUNCIL

On the overall operation of official controls performed in Member States (2014-2016) to  
ensure the verification of compliance with food and feed law, animal health and welfare  
rules

{SWD(2018) 402 final}

*«During the period from 2014 to 2016 only a few Member State submitted their annual report to the Commission services within the deadline... This failure ... reflects, inter alia, difficulties that Member States experience in collating at central level all data necessary for the annual report...reports also vary significantly in the presentation of data and in the nature of data presented.*

*This two facts pose a significant challenge for the Comission services....to review all annual reports received for the period in question with a view to identifying significant trends in performance of official controls and non-compliances identified by those controls»*



# Example: Under-reporting of Echinococcosis in Italy

**Table EH4. Echinococcus in farm animals, inspected at slaughter, 2009**

Country	Species <sup>1</sup>	Cattle		Pigs		Goats		Sheep		Solipeds	
		N	% pos	N	% pos	N	% pos	N	% pos	N	% pos
Austria	<i>E. spp.</i>	619,617	<0.1	5,537,389	0	4,967	0	121,547	<0.1	-	-
Belgium	<i>E. spp.</i>	799,256	0	-	-	-	-	-	-	-	-
Bulgaria	<i>E. g.</i>	38,300	5.1	531,631	0.1	4,149	10.5	581,285	7.0	6,647	0
Cyprus	<i>E. spp.</i>	17,308	0	-	-	126,608	0	136,705	0	-	-
Denmark	<i>E. spp.</i>	507,200	0	18,972,880	0	-	-	-	-	-	-
Estonia	<i>E. spp.</i>	46,934	0	405,456	0	-	-	5,846	0	-	-
Finland	<i>E. spp.</i>	268,056	0	-	-	-	-	25,687	0	-	-
Germany	<i>E. g.</i>	-	-	-	-	-	-	265	0.8	-	-
Greece	<i>E. spp.</i>	161,069	1.0	826,783	<0.1	654,468	0.5	2,126,481	1.8	-	-
Italy <sup>2,3</sup>	<i>E. spp.</i>	1,730,438	0.2	6,093,180	<0.1	27,055	2.5	306,048	11.3	21,313	<0.1
	<i>E. g.</i>	-	0.1	-	<0.1	-	0.1	-	<0.1	-	-
Latvia <sup>4</sup>	<i>E. spp.</i>	99,903	0	323,588	0	-	-	-	-	400	0
Lithuania	<i>E. spp.</i>	84,985	<0.1	167,266	0.2	-	-	247	0	-	-
Poland	<i>E. spp.</i>	-	-	17,799,372	0.5	-	-	-	-	-	-
Romania	<i>E. spp.</i>	131,013	26.1	3,023,757	0.7	1,910	0.3	318,102	3.4	-	-
Slovenia	<i>E. g.</i>	123,760	<0.1	295,960	<0.1	450	0	9,759	0	1,426	0
Spain <sup>5</sup>	<i>E. spp.</i>	2,271,834	0.6	39,959,670	<0.1	-	-	-	-	30,918	0.1
Sweden	<i>E. spp.</i>	426,504	0	2,942,912	0	773	0	252,873	0	3,807	0
United Kingdom	<i>E. spp.</i>	341,057	0.4	-	-	-	-	-	-	-	-
Total (18 MSS)		7,667,234	0.8	96,879,844	0.1	820,380	0.5	3,884,845	3.2	64,511	<0.1
Norway	<i>E. spp.</i>	313,300	0	1,522,300	0	23,300	0	1,105,300	0	1,600	0



## Official data in Italy, 2009

BOVINE	0,2%
OVINE	11,3%
CAPRINE	2,5%
OVINE+CAPRINE	1,2%
PORCINE	< 0,1%
SOLIPEDS	< 0,1%



**Table 33:** *Echinococcus granulosus sensu lato* positive/tested (%) animals (domestic and wild) in 2016

Country	Sheep	Sheep and goats	Goats	Cattle	Pigs <sup>(a)</sup>	Mouflons	Reindeer	Solipeds, domestic	Deer	Water buffalos	Wild boars	Moose	Dogs <sup>(a)</sup>	Wolves <sup>(a)</sup>	Fox
Austria	28/ 130,740 (0.02%)		0/7,304	92/ 686,525 (0.01%)	0/ 5,197,563										
Belgium	0/913,745														
Bulgaria	7,566/ 173,466 (4.36%)		21/3,408 (0.6%)	1,882/ 31,539 (5.96%)	527/1, 043,004 (0.05%)										
Croatia				0/5	0/6										
Cyprus						1/18 (5.56%)									
Denmark				0/539,600	0/ 17,843,548										
Estonia	0/6,748		0/26	0/37,701	0/524,227			0/10							
Finland	0/60,153		0/273	0/279,402	0/2, 051,168		6/ 62,464 ( $< 0.01\%$ )	0/1,261	0/488		0/338	0/230		15/74 (20.27%)	
Greece	10,308/ 1,491,742 (0.69%)		2,097/ 313,644 (0.67%)	862/ 67,695 (1.27%)	60/ 452,126 (0.01%)						0/110				
Hungary	7/16 (43.75%)			3/3 (100%)	8/45 (17.77%)				0/1						
Italy	42,882/ 355,357 (12.06%)		772/ 37,705 (2.05%)	4,754/ 863,409 (0.55%)	407/ 4,837,977 ( $< 0.01\%$ )			3/5,281 (0.005%)	0/377	26/ 26,783 (0.09%)	103/ 34,177 (0.3%)		5/13 (38.46%)		1/3 (33%)
Latvia	0/22,273		0/93	0/93,496	0/452,533			0/67							
Luxembourg				0/25,750	0/176,968										
Malta													0/333		
Netherlands				0/1											
Poland		190/ 35,527 (0.53%)		2/1, 920,854 ( $< 0.01\%$ )	37233/ 22,438,554 (0.17%)										
Romania	0/25		0/17	298/360 (82.77%)	5/17 (29.41%)								4/147 (2.72%)		
Slovakia	0/9,992		0/120	0/36,587	1/555,229 ( $< 0.01\%$ )								0/1,685		
Slovenia	0/10,179		0/1,252	0/111,634	0/258,307			0/1,424							





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# Under-reporting of Echinococcosis in Italy



ZOONOSES MONITORING

## ITALY

The Report referred to in Article 9 of Directive 2003/99/EC

TRENDS AND SOURCES OF ZOONOSES AND  
ZOO NOTIC AGENTS  
IN HUMANS, FOODSTUFFS, ANIMALS AND  
FEEDINGSTUFFS

including information on foodborne outbreaks,  
antimicrobial resistance in zoonotic agents and some  
pathogenic microbiological agents.

Italy - 2008 Report on trends and sources of zoonoses

IN 2008

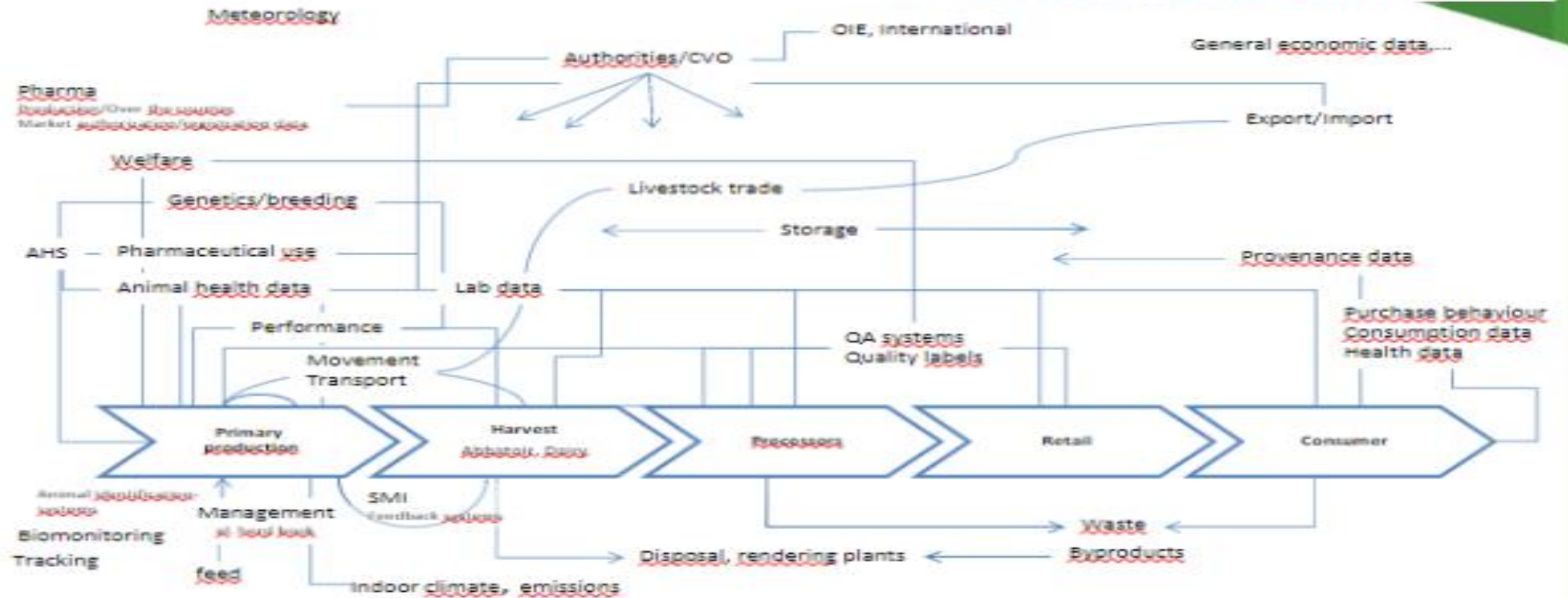
***«The lack of official data and poor level of reporting, both in animals and humans, do not allow to have a complete and appropriate picture on diffusion of Cystic echinococcosis in Italy.....»***





Talking about data in AH/W means  
talking about data along the entire value chain

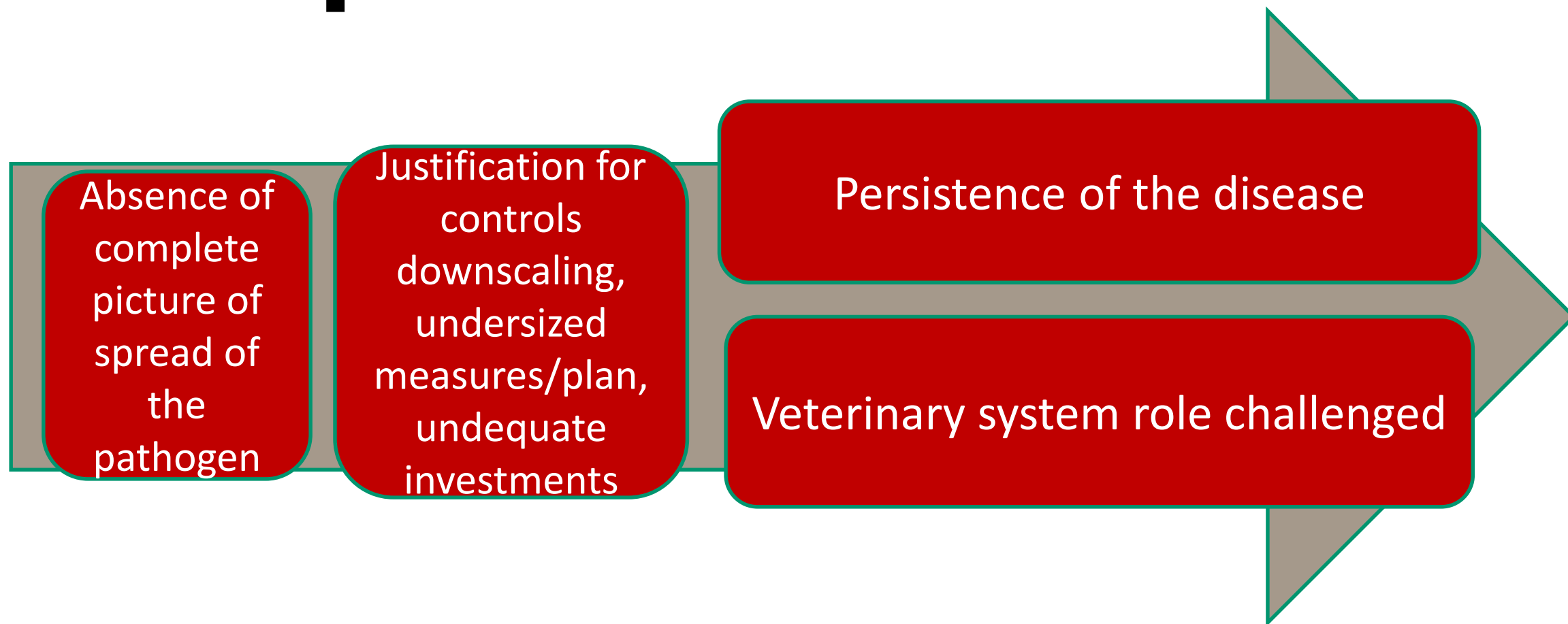
Many of them already exist electronically



Shobesberger 2018



# Consequences



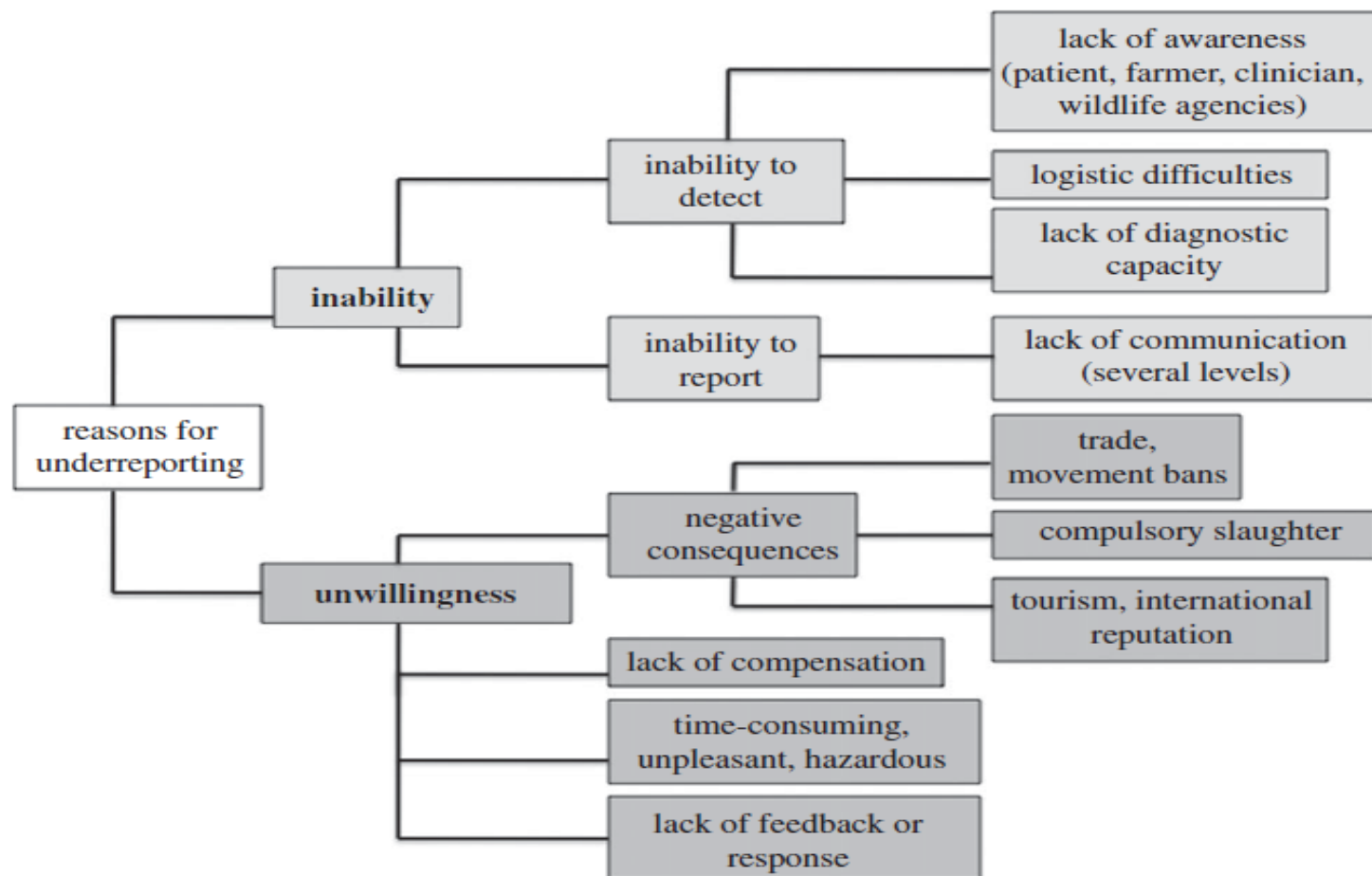


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Data quality is linked  
to veterinary reports quality



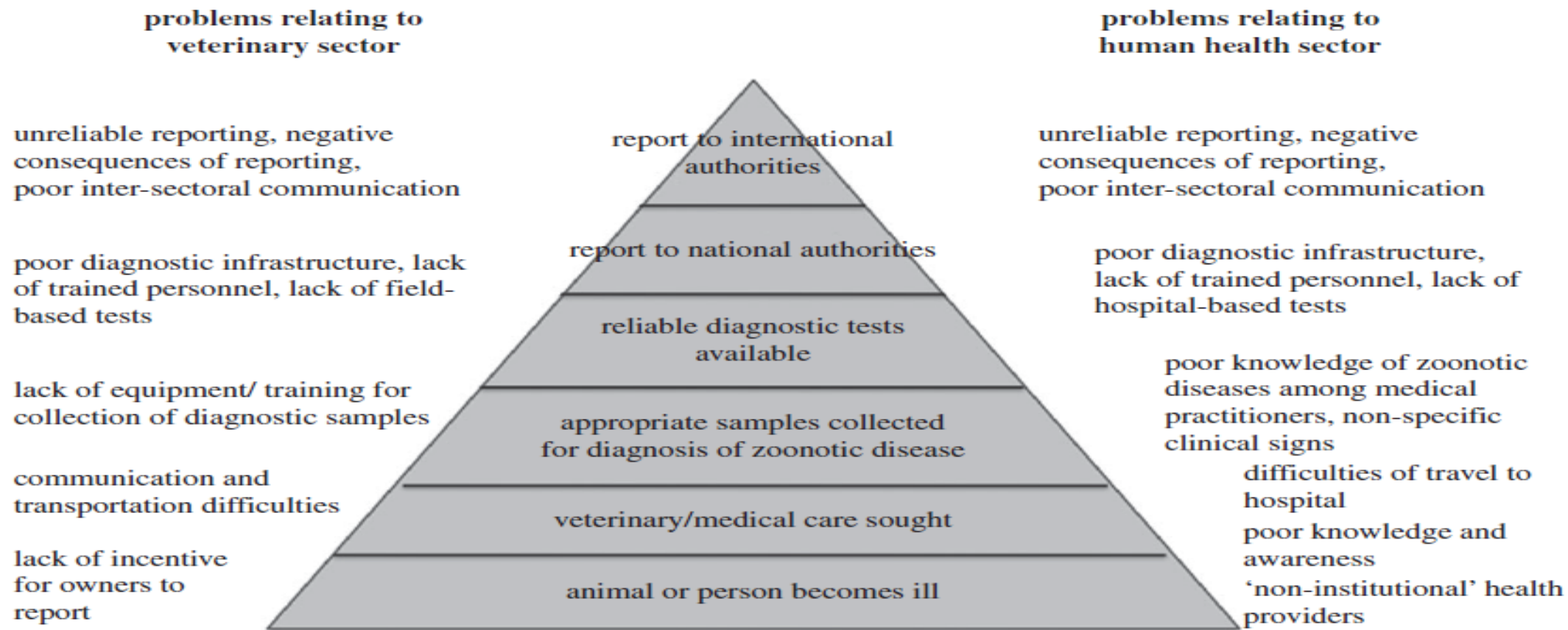
## Scheme outlining reasons for the under-reporting of zoonotic disease (Halliday *et al*, 2012)





## Factors contributing to the under-reporting of zoonotic disease within the human and animal health sectors (Halliday *et al*, 2012)

The quality and quantity of surveillance data deteriorate at each step in this hierarchy



# **Solutions? YES: at Member State level**

- **Identifying appropriate incentives for reporting:**
- **competent authorities:** *eg remuneration, capacity building, career advancement etc.*
- **farmers:** *ex: eligibility for quality certification schemes, compensation schemes in the event of an outbreak etc.*
- **enhancement of collaboration among government, industry and academia to in order to integrate data across diverse organisations**





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## Solutions? YES: on EU level

- **more harmonised, unified and intuitive Internet-based system (already under development (Reg. 625/2017))**



## 2018-2020: Information Management System for Official Controls (IMSOC)

