

A critical look at One Health and EcoHealth developments in LatinAmerica

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Bologna, Italy





Outline

- 1. The short history of One Health in our institution
- 2. An overview of the application of these concepts in the region
- 3. Rabies in Colombia as an example of non cooperation between sectors
- 4. Highligths of NEOH survey in Latin American context.

LA SALLE

The Project SapuvetNet



- Luis Carlos Villamil
- Natalia Cediel Becerra
- Jaime Romero Prada

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Sapuvet -case studies





Event SapuVet, March 2012 - attitudes



Prácticas y actitudes profesionales en las tres dimensiones del concepto Una Salud

> Jaime Romero PhD Diana Álvarez MSc Iván Calvache MSc



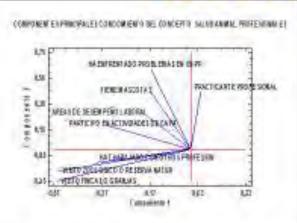
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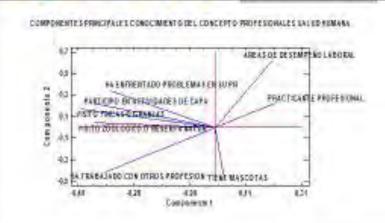


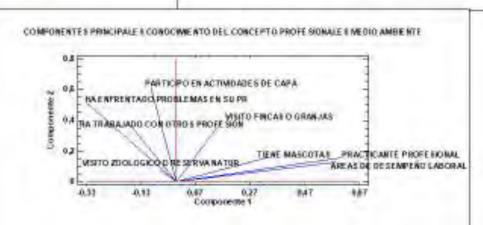
Multivariate analysis









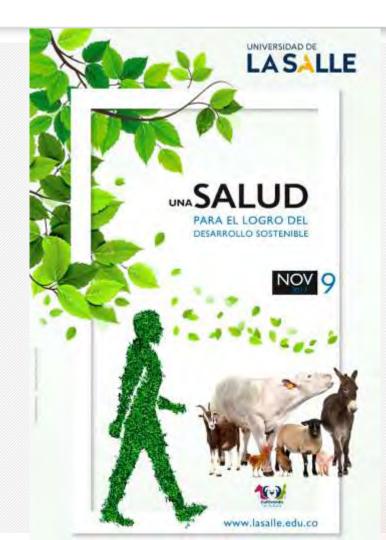


- Concepts
- Undergraduate formation
- Labor experiences and possibilities
- Previous conditioning factors (farms, pets, etc.)

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OH-EC Activities, Universidad de la Salle: November 2017



- Dr. Juan Garza, México. One Health in Latin America
- Dr. Daniele de Meneghi (Italy) presented preliminary results of cost OH-NEOH survey in Europe and an evaluation OH case study
- Suggestion to be involved in a Latin American survey on OH

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Benavides, Faculty's conference to teachers at the beginning of the semester, 1-2018



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The roadmap to OH



El mapa para la agenda Una Salud

GAB Revision 2017 12, No. Onli

Roadmap to a One Health Agenda 2030

Kevin Ouesnan¹*, Julie Gamier⁸, Liza Rosenbaum Nielsen³, Sandra Buttiglog⁴, Daniele de Meneghi⁸, Martin Hotmberg⁶, Jakob Zinestag^{6,2}, Simon Ruegg², Berbers Häster⁷ and Richard Kock⁷

> Figure 1 A framework grouping the SDGs based on their intended outcomes, highlighting goals (in yellow) with antagonistic relationships with other goals. Adapted from Waage et al. [58].





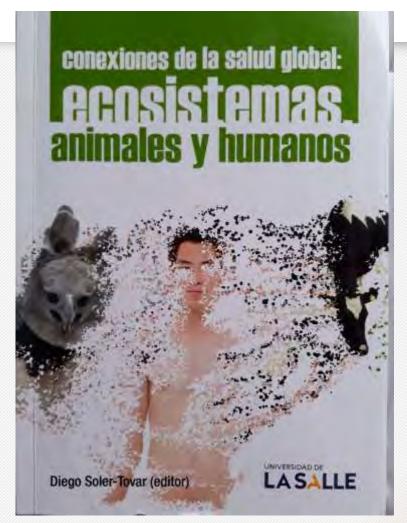
Sustainable Livestock Production



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Universidad de la Salle - OH iniciatives



UNIVERSIDAD DE LASALLE Vicerrectoria Académica Coordinación de Currículo Formato básico oficial para la elaboración de Syllabus - microcurrículo PROGRAMAS NUEVOS O REDIMENSIONADOS - 2011 Identificación del Espacio Académico VICERRECTORIA DE PROMOCION Y DESARROLLO HUMANO DHA-16 Nombre del Espacio Académico: SALUD HUMANA, ANIMAL Y AMBIENTAL PARA EL LOGRO DE LA AGENDA DE DESARROLLO SOSTENIBLE 2030: INICIATIVA "UNA SALUD" Académico: Común Área Curricular Facultad Programa Fundamentadora Complementaria X Disciplinar Facultad Praxis Investigativa Interdisciplinar X Periodo académico en la malla curricular: I Ciclo 2018 Fecha: Febrero 2018 Número de Créditos: HP: 3 HI: 3 Modalidad: Teórica X Taller Laboratorio Horario: MARTES 4-7 PM (Salón S6) Nombre Profesor: Docente coordinador: Natalia Cediel Becerra Escuela de pensamiento cultura, salud pública y desarrollo comunitario. Profesores invitados de diferentes disciplinas:

(Soler, D.(ed.) 2017)

2018. Elective course on One Health and 2030 Agenda

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Other products - Universidad de la Salle

Una salud: estrategia para la docencia

y la investigación interdisciplinar



Luis Carlos Villamil Jiménez*

Resumen

En este artículo se presenta una síntesis sobre la visión de las diversas culturas en el tema sanitario, la percepción temprana del concepto una salud, los hechos y tendencias que orientaron las políticas de salud pública; además, se muestra cómo la emergencia de enfermedades y las inequidades en salud señalan la necesidad por aplicar una estrategia racional eficiente que desde la intersectorialidad y la interdisciplinariedad contribuya a la solución de los problemas sentidos en el ámbito global y que se configure y adopte la estrategia de una salud, como una poderosa

(Villamil, 2015)







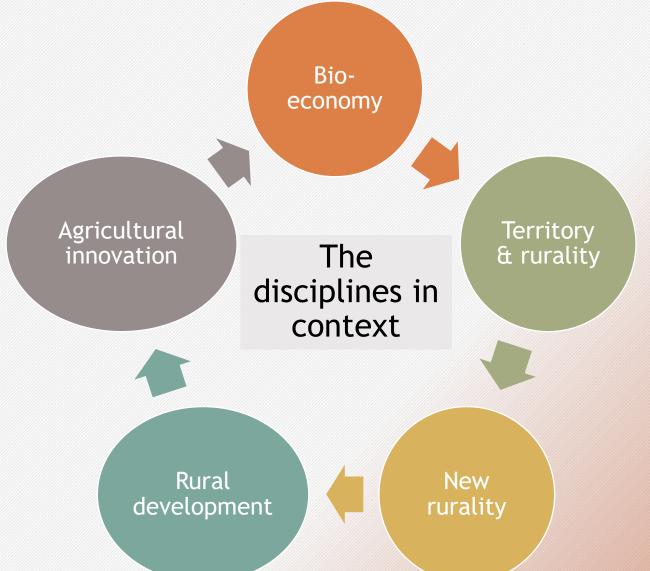


Propuesta de Programa Nacional Integral e Integrado de Zoonosis (PNIIZ) SCON2016-00326

(Soler et al., 2016.) Research supporting decision making on public policy for zoonosis control.

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Agrisciences - Master and doctorate





- Sustainable development
- Millennium Development Objectives -MDO
- Systemic approach
- Inter-disciplinary
- Colombian post-conflict
- Technology transfer
- Social Knowledge appropriation
- One Health

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On going iniciatives



The colombian Sustainable livestock iniciative...

La Mesa de Ganadería Sostenible — Colombia (MGS-Col), us un espacio de participación interinstitucional que nace como un compromiso para identificar la importancia de contar con un órgano consultor que tenga conocimiento tácnico sobre la ganadería sostenible en el proceso de construcción de planes programas y proyectos en formo a la ganadería sostenible.

La MESA tendrá como objeto principal, la realización de actividades encaminadas a apoyar en la estructuración de políticas públicas, y el desarrollo de programas, planes y proyectos relacionados con la ganadería sostenitie en Colombia.



ttp://mesaganadenasoste.wixsite.com/principal.



Los sumideros de carbono...



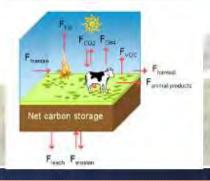


Extensive grazing in contrast to moving is climate-friendly based on the farm-scale greenhouse gas balance

Pēter Sanczi^{**}, Kosztina Poslei^{*}, János Saloghi^{*}, Marienna Pappi^{*}, Dára Pelly^{*}, Zook Colstaloni^{*}, Eric Molnar^{*}, Albert Scardaloi^{*}, Gyöngyi Kareji[®], Laudo Herndeti^{*} Zottán Negy^{**}

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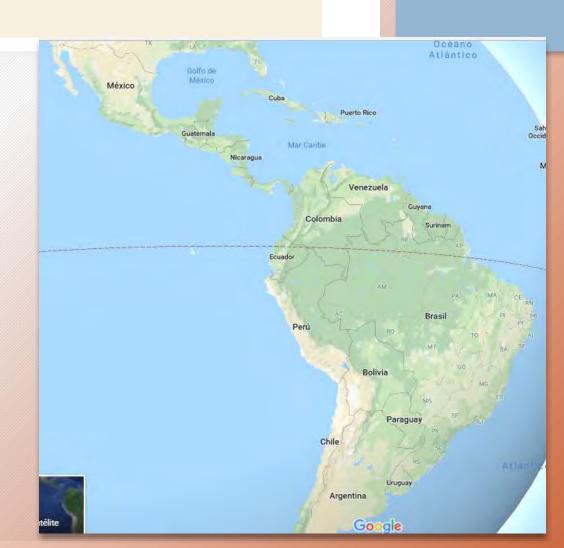






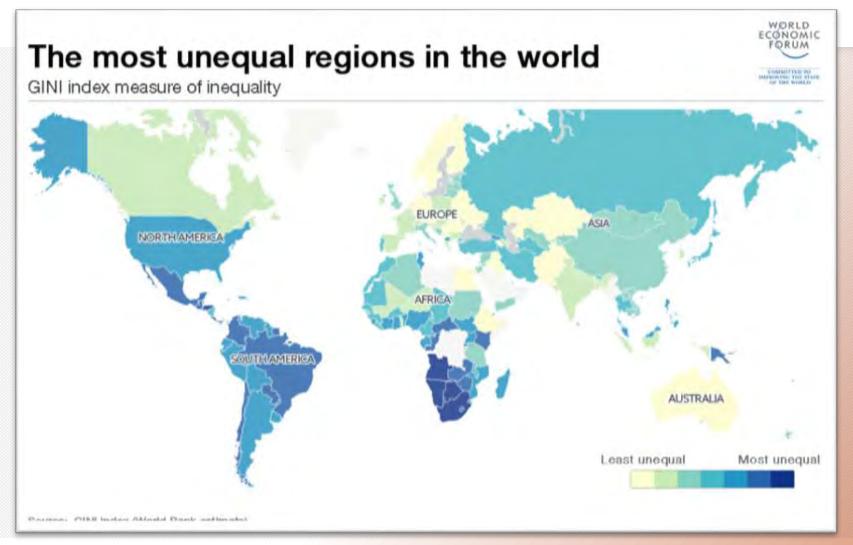
Trends in OH and EH concept's application in the region

- Tremendous inequality in the region
- More than 200 million people are at risk of contracting multiple NTDs (ascariasis, trichuriasis, hookworm, schistosomiasis, lymphatic filariasis, trachoma, and onchocerciasis).

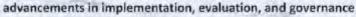




South American inequality



Social determinants of health characterized by adverse colonial legacies, tremendous social injustice, huge socioeconomic disparities, and wide health inequities.
(Rifat, 2015).





Prioritization and allocation of resources

- ¿Who takes the decisions?
- Ministries (Health, Agriculture, environment)
- Sincerely each sector makes its own interpretation
- The example of Chagas disease in the region, mainly Venezuela, oral transmission (juices) and socioeconomic conditions
- 37 cases in 2017 in Colombia
- Situation is worst for Leishmaniasis (considered a conflict-related disease) 11,657 cases-2014 and 11,850 cases-2016.





Support for the concept in the 3 sectors

- Some aspects of the integration and implementation of the One Health concept are still a challenge.
- Discussions should focus on how One Health approaches are actually implemented and not on how they are defined.
- In pursuing collaborative approaches the justifiable differences in priorities between the human health and agriculture ministries must be taken into account.
- In addition, where agriculture has a major private enterprise component, reluctance to participate in information sharing between the private and the public sectors canal so be a major barrier for implementing One Health surveillance.

(FAO, 2011; Mardonesa, et al. 2017)

EU COST Action TD 1404 Network for Evaluation of One Health (NEOH) Final Conference and Workshop

Creating impact for One Health and EcoHealth

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One Health application - lessons learned from last human rabies cases in Colombia

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Human rabies cases at the interphase rural-urban

Case 1. March 2009. Santander de Quilichao, Cauca. Cat contact with children of a public school. Six casualties.

Case 2. June 2012. Roldanillo, Valle. Two ladies, 20 and 70 years old.

Case 3. February, 2017. Bogota. One woman casualty, bitten by a cat brought from rural area of San Antonio del Tequendama.

All cases were related to the urban -rural interphase, semi-feral cats brought the infection to the urbanized area

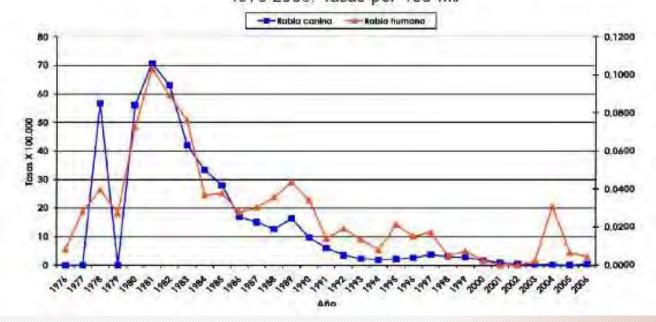
Nor the people or the cats were suspected of being affected of rabies ante-mortem. The health authorities said they were winning the battle against rabies





Rabies, Colombia, South america

Figura 1. Tasas de incidencia de rabia humana y canina en Colombia 1976-2006. Tasas por 100 mil



(Cediel et al., 2010)

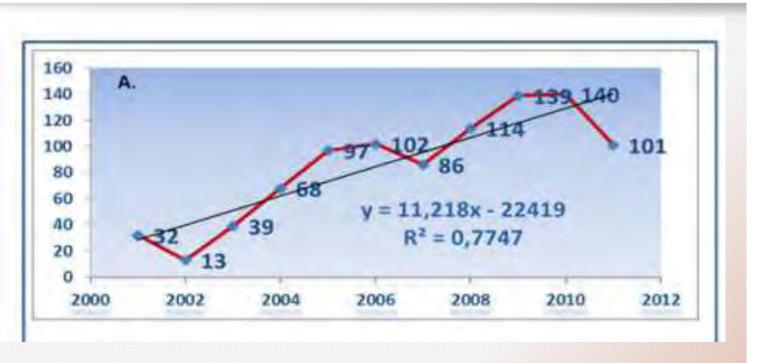


(Dirección de Epidemiología, Buenos Aíres, 2017)

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Bovine rabies in Colombia



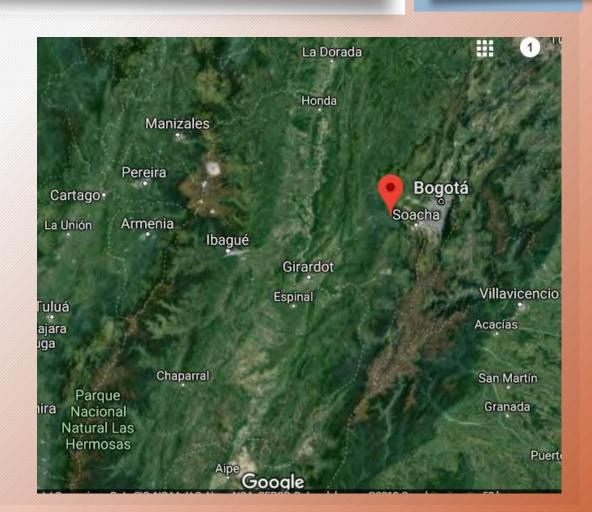
(Marín, Ruiz & Ruiz, 2014)





Rural-urban interphase





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Activities fragmented in 3 different sectors

- Weak of intersectoral coordination between health- agriculture and environmental.
- · Rabies transmitted by dog, and attention to exposed people are attended by dependent offices of the Ministry of Health.
- Meantime wild rabies, vector surveillance and control population, falls on the Ministry of Agriculture
- Environment does not monitor wild animals.

No dialogue among three sectors







The Project in Cauca - people leaving the conflict

Introducción

Desarrollo de actividades en el proyecto (Cauca)

"Estudio de enfermedades trasmitidas por vectores: garrapatas, pulgas, y piojos en zonas priorizadas del departamento del cauca. Acercamiento a la vigilancia y al control".









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Tungiasis and other ectoparasites









EU COST Action TD 1404 Network for Evaluation of One Health (NEOH)

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Survey on One Health activities in Latin american context.

The activity was started in july 2018 and still have 19 responses

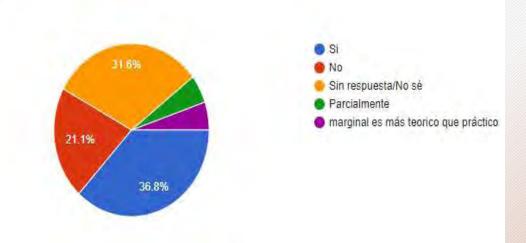
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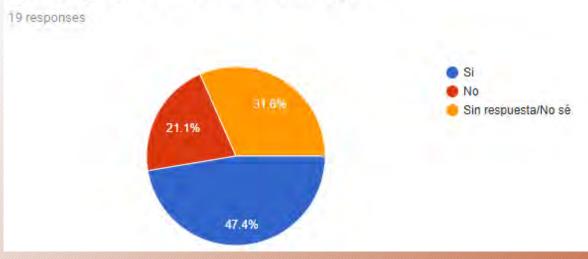
Inter-institutional cooperation

Existe una cooperación activa entre el ministerio de salud y el ministerio responsable de medicina veterinaria cuando se ocupan de las zoonosis?

19 responses



Existe una norma legislativa o regla que regule la colaboración entre los servicios de Salud Pública y Veterinarios (obligación de garantizar un flujo reciproco de información / datos)?



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EcoHealth, Colombia - Reflections



- We do not talk too much with each other
- We do need more...:
- Integration (horizontal -vertical)
- Data sharing
- Discussion and cooperation between institutions, universities, research groups and stakeholders
- Governance
- Inclusiveness
- Integrate One Health and EcoHealth

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