



One Health ? What else ?

- 1- Approches en santé globale
- 2- Quelles convergences ?
- 3- Quelles divergences ?
- 4 - Limites et opportunités
- 5- Un agenda pour l'approche One Health ?



Quelles approches en santé globale ?

GLOBAL HEALTH OBSERVATORY



GLOBAL HEALTH OBSERVATORY

1

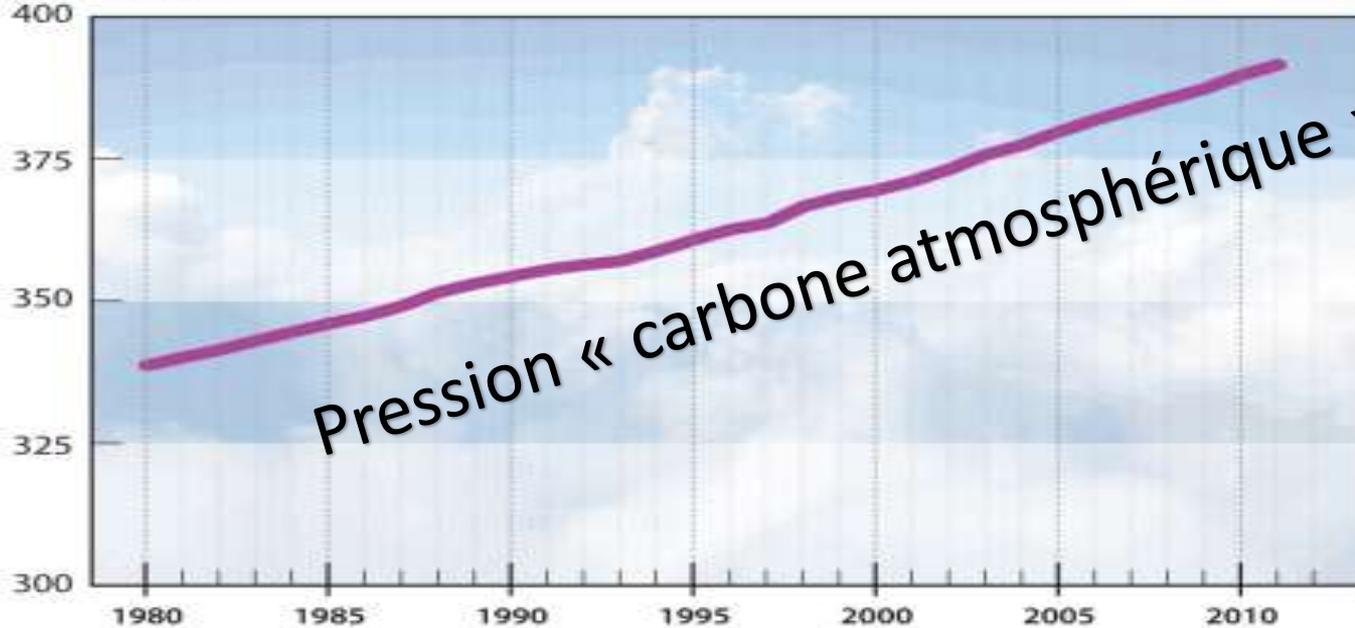
Females		
Leading causes 1990	Leading causes 2007	Leading causes 2017
1 Neonatal disorders	1 Neonatal disorders	1 Neonatal disorders
2 Lower respiratory infections	2 Lower respiratory infect	2 Ischaemic heart disease
3 Diarrhoeal diseases	3 HIV/AIDS	3 Stroke
4 Stroke	4 Ischaemic heart disease	4 Lower respiratory infections
5 Ischaemic heart disease	5 Diarrhoeal diseases	5 Diarrhoeal diseases
6 Congenital defects	6 Stroke	6 COPD
7 COPD	7 Malaria	7 Low back pain
8 Measles	8 COPD	8 Headache disorders
9 Tuberculosis	9 Congenital defects	9 Diabetes
10 Malaria	10 Low back pain	10 Congenital defects
11 Low back pain	11 Headache disorders	11 Depressive disorders
12 Headache disorders	12 Diabetes	12 HIV/AIDS
13 Dietary iron deficiency	13 Depressive disorders	13 Malaria
14 Maternal disorders	14 Tuberculosis	14 Dietary iron deficiency
15 Protein-energy malnutrition	15 Dietary iron deficiency	15 Alzheimer's disease
16 Road injuries	16 Road injuries	16 Road injuries
17 Depressive disorders	17 Maternal disorders	17 Other musculoskeletal
18 Meningitis	18 Anxiety disorders	18 Breast cancer
19 Diabetes	19 Other musculoskeletal	19 Age-related hearing loss
20 Self-harm	20 Breast cancer	20 Tuberculosis
21 Drowning	21 Chronic kidney disease	21 Anxiety disorders
22 Asthma	22 Alzheimer's disease	22 Chronic kidney disease
23 Chronic kidney disease	23 Age-related hearing loss	23 Neck pain
24 Anxiety disorders	24 Neck pain	24 Blindness & vision impairment
25 Tetanus	25 Blindness & vision impairer	25 Falls
26 Breast cancer	26 Meningitis	26 Cirrhosis
27 Falls	27 Self-harm	27 Lung cancer
28 Cirrhosis	28 Falls	28 Gynaecological diseases
29 Other musculoskeletal	29 Protein-energy malnutrition	29 Maternal disorders
30 Blindness & vision impairment	30 Cirrhosis	30 Asthma
31 Age-related hearing loss	31 Gynaecological diseases	31 Self-harm
32 Neck pain	32 Asthma	34 Meningitis
33 Alzheimer's disease	33 Lung cancer	37 Protein-energy malnutrition
34 Gynaecological diseases	34 Measles	52 Drowning
36 HIV/AIDS	37 Drowning	64 Measles
43 Lung cancer	74 Tetanus	118 Tetanus

Males		
Leading causes 1990	Leading causes 2007	Leading causes 2017
1 Neonatal disorders	1 Neonatal disorders	1 Ischaemic heart disease
2 Lower respiratory infections	2 Ischaemic heart disease	2 Neonatal disorders
3 Diarrhoeal diseases	3 Lower respiratory infections	3 Stroke
4 Ischaemic heart disease	4 Stroke	4 Lower respiratory infect
5 Stroke	5 Diarrhoeal diseases	5 Road injuries
6 Road injuries	6 Road injuries	6 COPD
7 Congenital defects	7 HIV/AIDS	7 Diarrhoeal diseases
8 Tuberculosis	8 COPD	8 Diabetes
9 COPD	9 Congenital defects	9 Congenital defects
10 Measles	10 Malaria	10 Low back pain
11 Malaria	11 Tuberculosis	11 Cirrhosis
12 Drowning	12 Diabetes	12 Lung cancer
13 Protein-energy malnutrition	13 Cirrhosis	13 HIV/AIDS
14 Self-harm	14 Low back pain	14 Tuberculosis
15 Cirrhosis	15 Lung cancer	15 Malaria
16 Meningitis	16 Self-harm	16 Self-harm
17 Low back pain	17 Interpersonal violence	17 Falls
18 Lung cancer	18 Falls	18 Headache disorders
19 Interpersonal violence	19 Headache disorders	19 Interpersonal violence
20 Diabetes	20 Chronic kidney disease	20 Chronic kidney disease
21 Falls	21 Drowning	21 Drug use disorders
22 Asthma	22 Drug use disorders	22 Age-related hearing loss
23 Tetanus	23 Depressive disorders	23 Depressive disorders
24 Headache disorders	24 Meningitis	24 Liver cancer
25 HIV/AIDS	25 Age-related hearing loss	25 Blindness & vision impairment
26 Stomach cancer	26 Alcohol use disorders	26 Other musculoskeletal
27 Dietary iron deficiency	27 Liver cancer	27 Alcohol use disorders
28 Chronic kidney disease	28 Protein-energy malnutrition	28 Stomach cancer
29 Leishmaniasis	29 Stomach cancer	29 Neck pain
30 Depressive disorders	30 Other musculoskeletal	30 Alzheimer's disease
31 Drug use disorders	31 Dietary iron deficiency	31 Drowning
32 Age-related hearing loss	32 Asthma	32 Asthma
35 Liver cancer	33 Blindness & vision impairment	33 Meningitis
36 Alcohol use disorders	34 Neck pain	34 Dietary iron deficiency
38 Other musculoskeletal	36 Measles	42 Protein-energy malnutrition
39 Blindness & vision impairment	40 Alzheimer's disease	66 Measles
41 Neck pain	72 Tetanus	108 Tetanus
54 Alzheimer's disease	135 Leishmaniasis	

Atmospheric CO₂



Parts per million



2

Data source:

ftp://ftp.cmdl.noaa.gov/ccg/co2/trends/co2_annmean_mlo.txt

Reference: Dr. Pieter Tans, NOAA/ESRL (www.esrl.noaa.gov/gmd/ccgg/trends/)

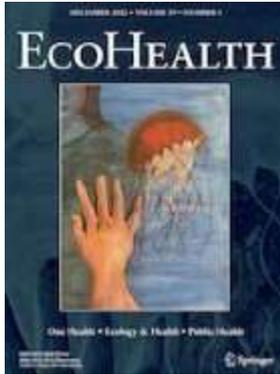
and Dr. Ralph Keeling, Scripps Institution of Oceanography

(scrippsco2.ucsd.edu/)



EcoHealth

One Health - Ecology & Health



<https://www.ecohealthalliance.org/programs>

The screenshot displays the EcoHealth Alliance website with a navigation bar containing icons and labels for Biosurveillance, Deforestation, One Health, Pandemic Prevention, and Wildlife Conservation. Below the navigation bar are three featured article cards:

- Card 1:** Features a landscape image with a volcano. The title is "Crimean-Congo Hemorrhagic Fever (CCHF)". The text below reads: "Crimean-Congo hemorrhagic fever (CCHF) is a disease of significant concern...". The category icon is "Pandemic Prevention".
- Card 2:** Features a forest landscape image. The title is "Conservation Works". The text below reads: "The Conservation Works (CW) activity is a five year program...". The category icon is "Wildlife Conservation".
- Card 3:** Features a laboratory image with test tubes. The title is "Emerging Infectious Diseases – South East Asia Research Collaboration Hub". The text below reads: "Region-wide collaboration in areas...". The category icon is "Pandemic Prevention".

<https://www.springer.com/journal/10>

One Health - Ecology & Health –
Public Health Official journal
of EcoHealth Alliance



4

Related health topics



Disasters

Climate change



Diseases and conditions

Noncommunicable diseases

https://www.who.int/health-topics/environmental-health#tab=tab_1

- Les déterminants environnementaux de la santé selon l'OMS

Quid des vecteurs et maladies infectieuses ?



5

One Health ou Eco-health ?

- Deux approches comparables



ELSEVIER

Environment International

Volume 132, November 2019, 105058



**Éco-santé – Eco-
health ? /
Une seule santé ?
One Health ?**

Review article:

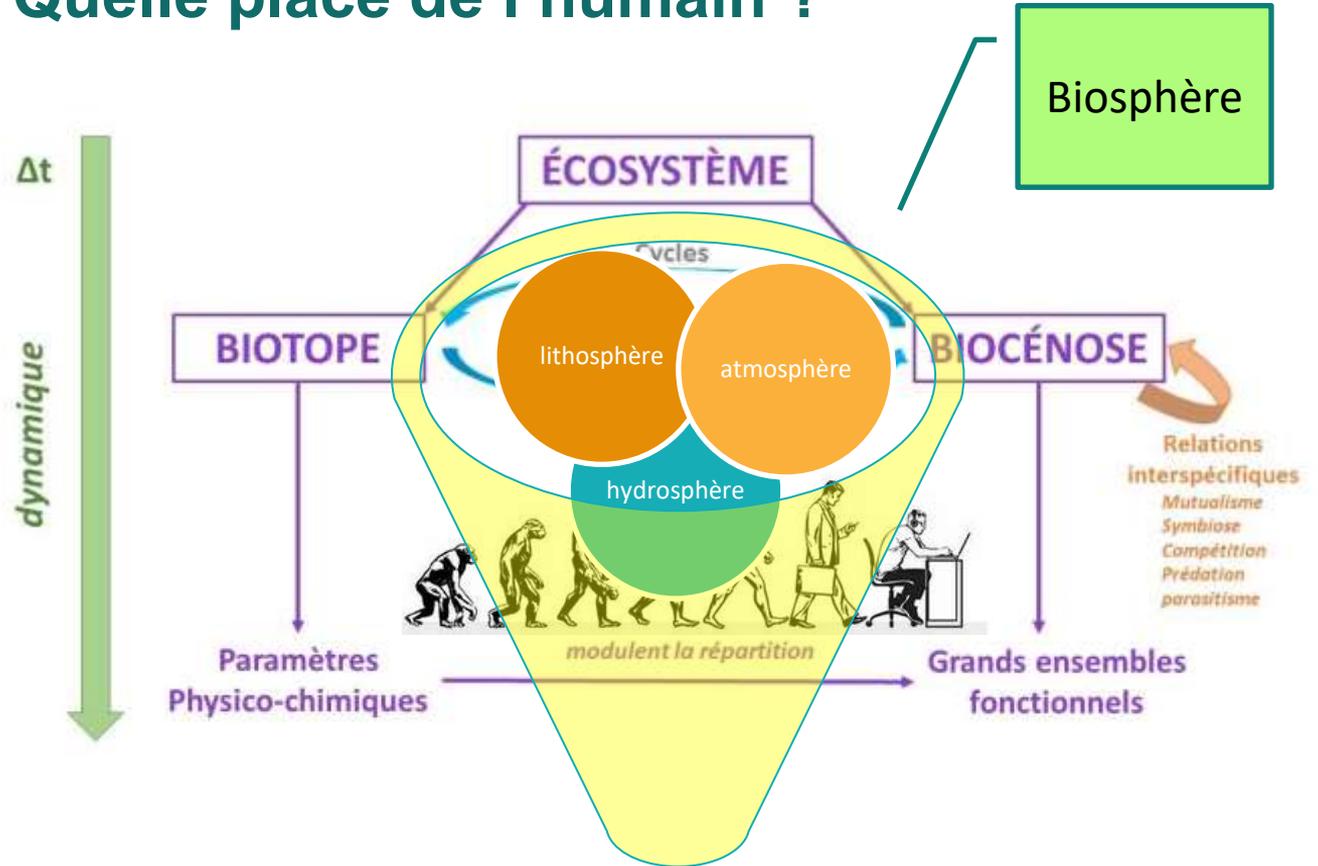
EcoHealth and One Health: A theory-focused review in response to calls for convergence

Sarah Harrison  , Lucy Kivuti-Bitok, Alexandra Macmillan, Patricia Priest

<https://www.sciencedirect.com/science/article/pii/S0160412019305409?via%3Dihub>

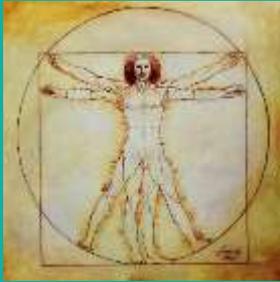
Quelle place de l'humain ?

- Ecosystème ?
- Milieu ?
- Milieux de vie ?
- Nature ?
- Cadre de vie ?
- Biotope ?
- Biosphère ?
- Habitat ?....



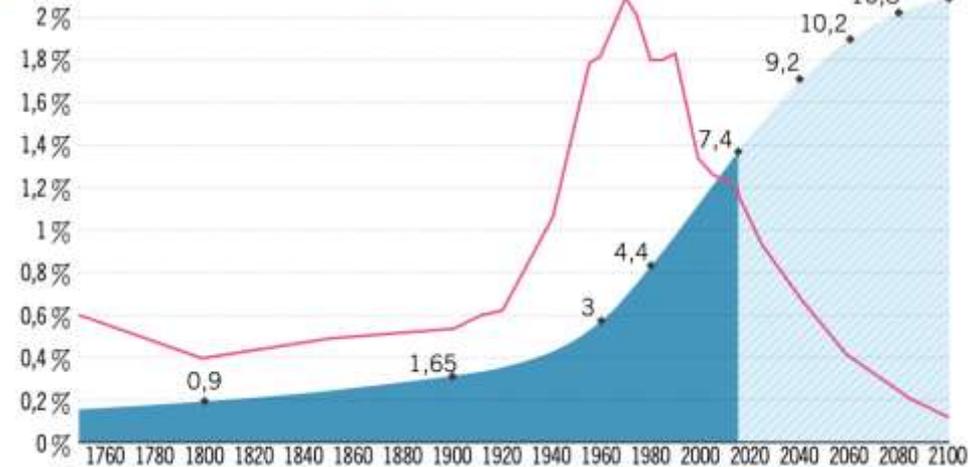
3 enjeux écologiques majeurs

Essor démographique

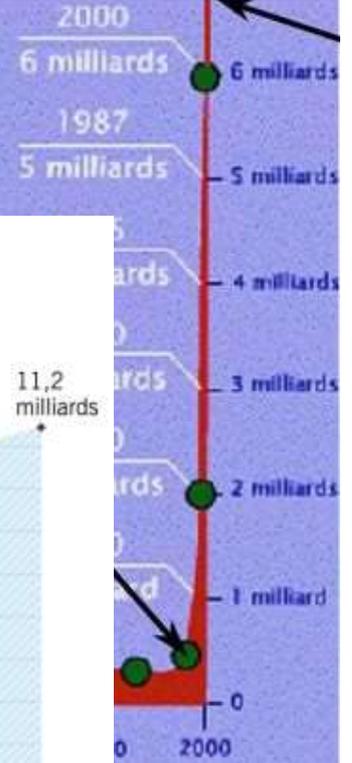


CROISSANCE DE LA POPULATION MONDIALE

Evolution de la population mondiale



Sédentarisation des hommes : $\approx 0,005$ milliard d'hommes

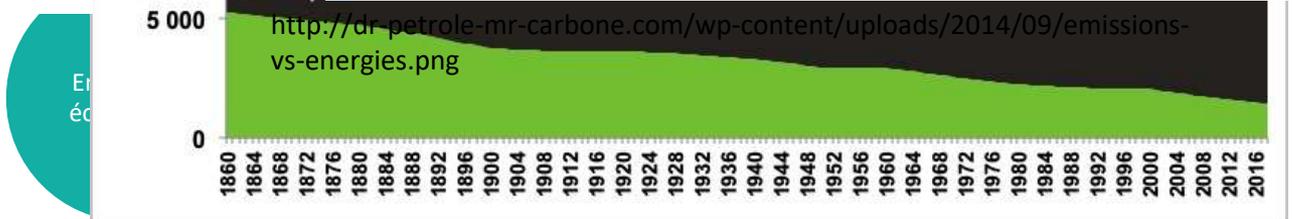
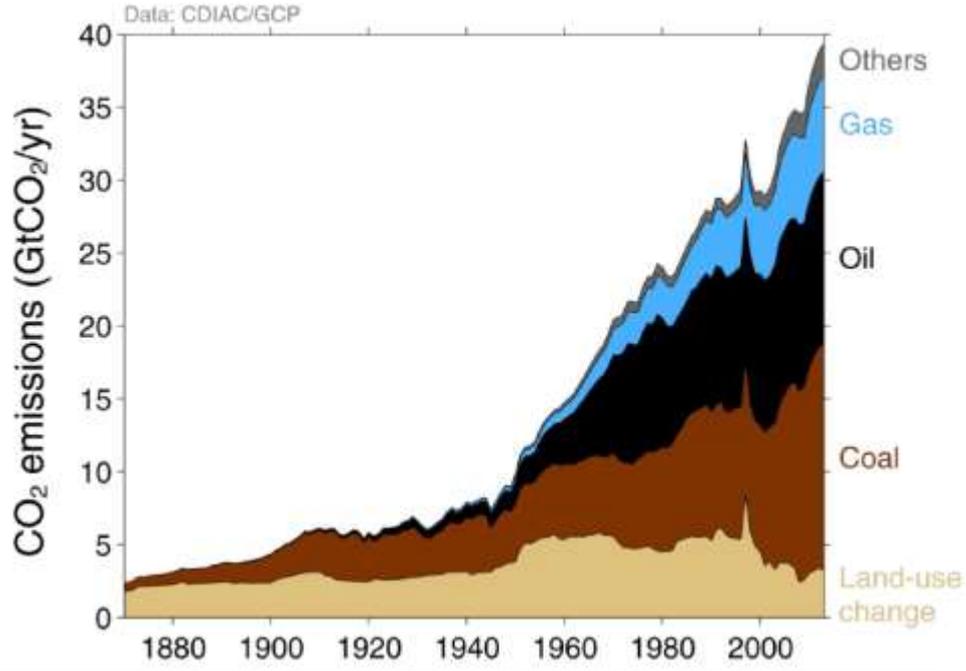
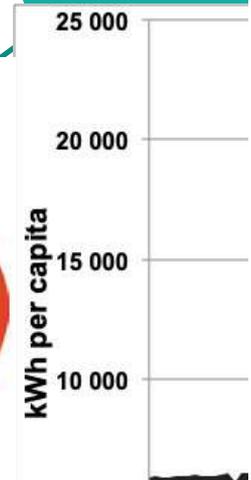


humaine.jpg

3 enjeux écologiques majeurs

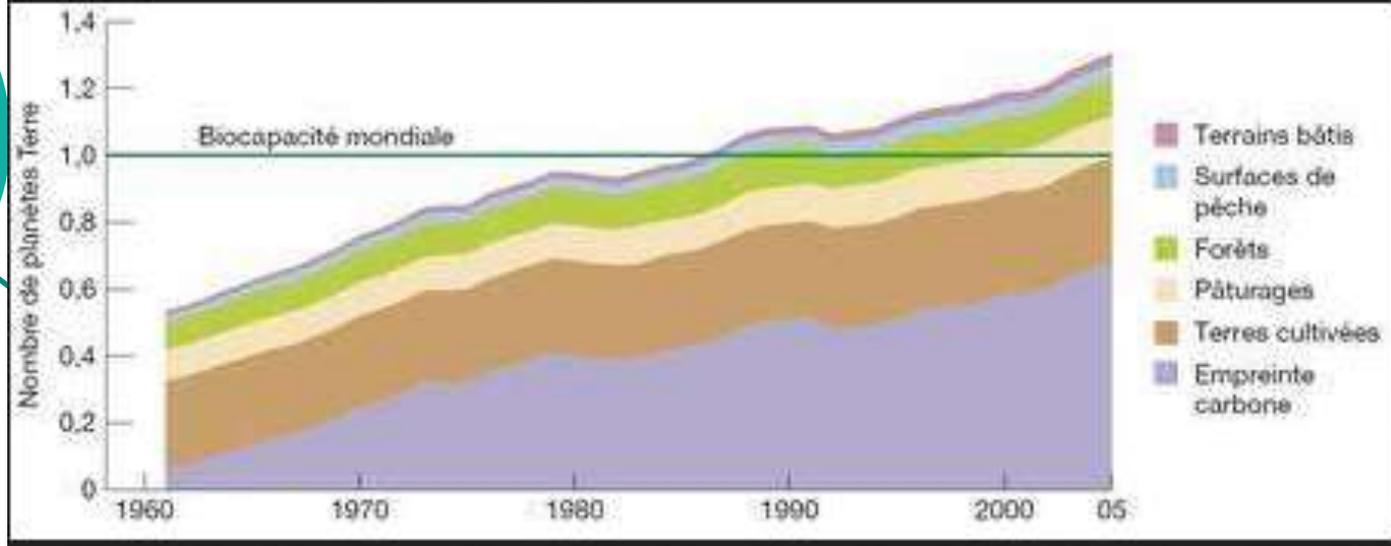
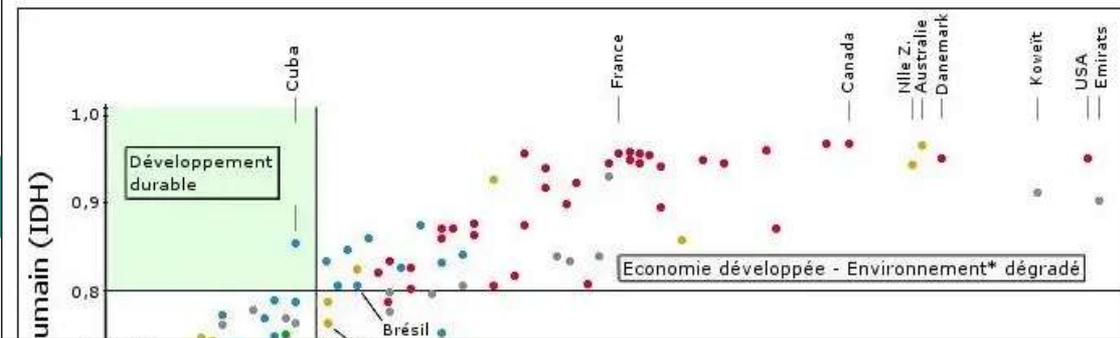


Énergies fossiles



3 enjeux écologiques majeurs

Empreinte écologique



<https://www.futura-sciences.com/plante/actualites/developpement-durable-rapport-planete-vivante-2008-nous-faudra-t-il-bientot-deux-planetes-17187/>

Mais quelle convergence Santé et Environnement-S ?

- **Dans les orientations politiques internationales ?**
- **Dans les programmes – plans d'action ?**
- **Dans les pratiques professionnelles ?**

Rappel historique : dates - clés

Environnement et développement durable

Promotion de la santé

Approches de santé globale

1972- Stockholm

1986- rapport Brundtland

1992- Conf de Rio

1997- Protoc

2000- Conf de Johannesburg- ODD

2009- Conf de

2015- Conf de Paris- Cop 21

2015- Conf Addis-Ababa-ODD

1978- Conf Alma Ata

1986- Charte Ottawa – PPS

1988- Conf Adélaïde- Australie

1991- Conf Sundsvall – Suède

1997- Conf Djakarta- Inde

2000- Conf Mexico

2005- Charte de Bangkok

2013- Conf de Helsinki

2016- Conf de Shanghai

1971- **Global health**- OMS

1984- One **world-One health**

1993- OMS- coord- **Global health**

2004- Conf de Manhattan- 12 principes **One health**

2008- Vietnam – One Health

2009 – Stockholm- **Planetary health**

2022 ? Rio + 30
À Mexico
Et la santé ?

Santé – Environnement : Quelles convergences ?

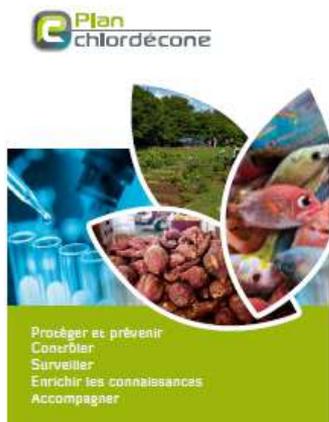
- **Dans les termes**
 - Les déterminants de santé - l'environnement comme déterminant
 - Les milieux favorables à la santé
 - Droits à la santé, droits à un environnement « sain », « propre », de qualité
 - Objectifs du Millénaire pour le Développement Durable (ODD-2015)
- **Dans l'esprit:**
 - Enjeux mondiaux et vision internationale
 - Coopérations entre pays, régions – réseaux et institutions
- Dans les recommandations: approches inter-sectorielles des politiques publiques

Santé - Environnement : Quelles divergences ?

- **Dans les termes:**
 - En PPS : un éco-système stable; des environnements favorables
 - En santé environnement: des environnements - milieux à risques;
- **Dans l'esprit**
 - Promouvoir les modes de vie et comportements sains
 - Mais** des conditions environnementales dégradées (qualité de l'eau, de l'air, etc.)
 - Équité en santé **Mais** inégalités sociales et environnementales fortes
- Dans les mesures appliquées
 - La santé comme « service » (offre de soin) et secteur **Mais** l'environnement comme « champ d'intervention »

Quid des services éco-systémiques ?

Les plans d'action en France



Plans I, I, III, IV

2014-2020...21-27...



PAIA

2016-18

Rapport de 1997-
<https://sante.gouv.fr/sante-et-environnement/batiments/article/amiante-documents-et-sites-de-referance>



Ecophyto

1, 2, 2+

<https://sante.gouv.fr/sante-et-environnement/les-plans-nationaux-sante-environnement/article/plan-ecophyto-2>



SNPE-2

2019-22

https://sante.gouv.fr/IMG/pdf/snpe_2_-_plan_d_action.pdf

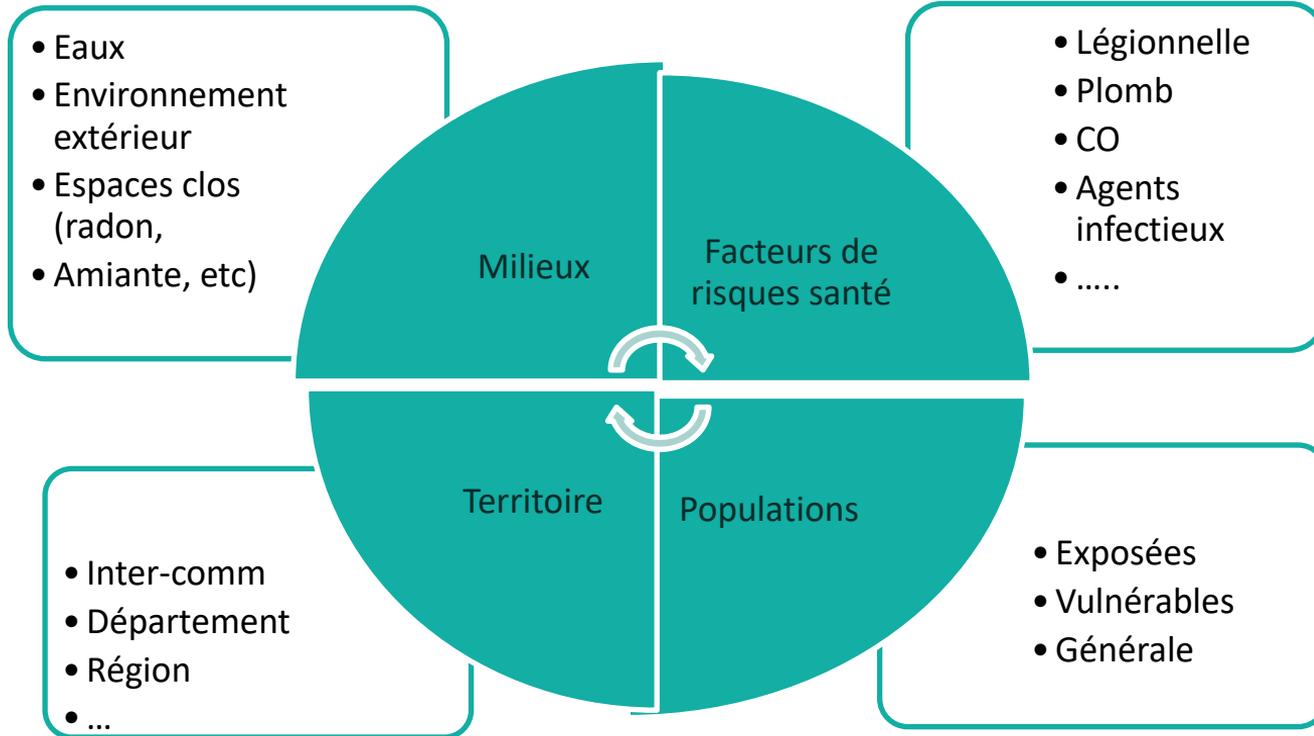


PNSE

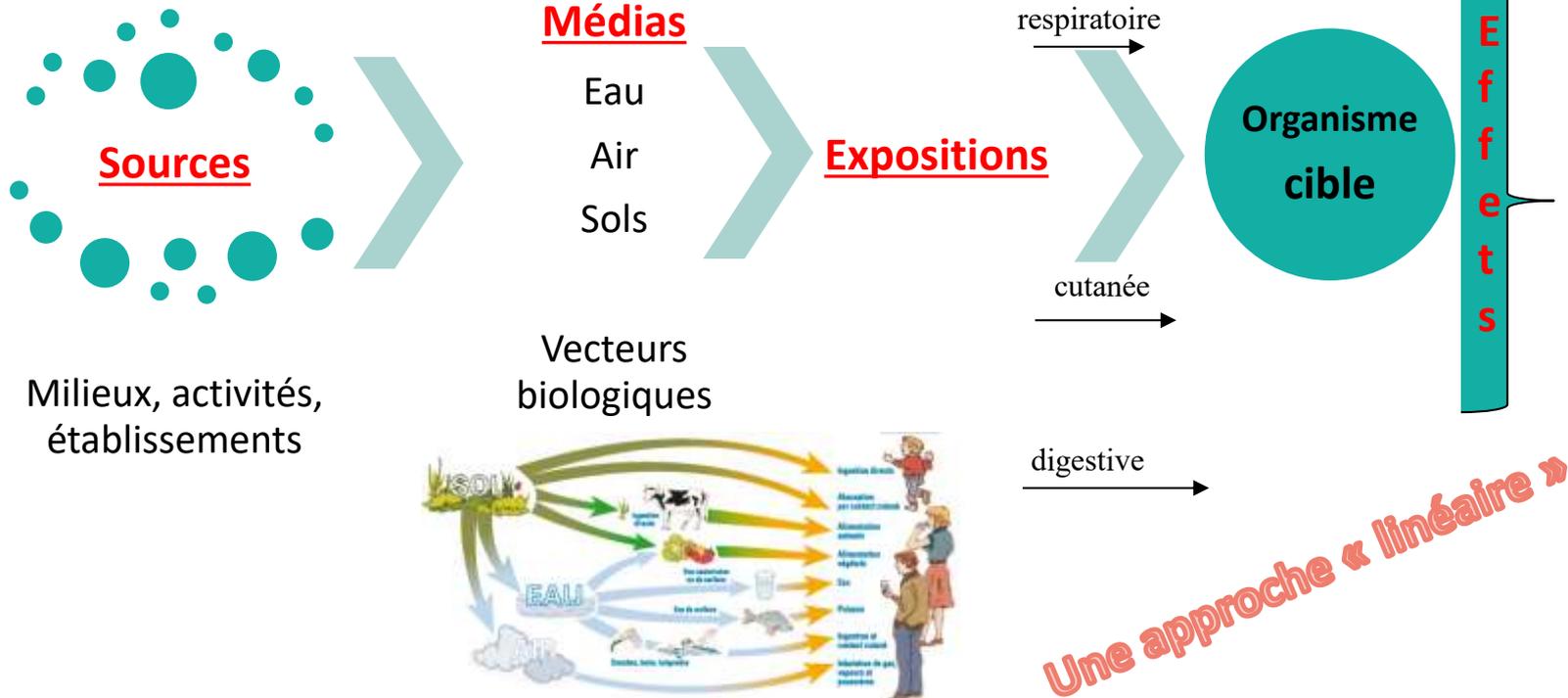
I, II, III, IV...

2004-2022...

Approche « thématiques »

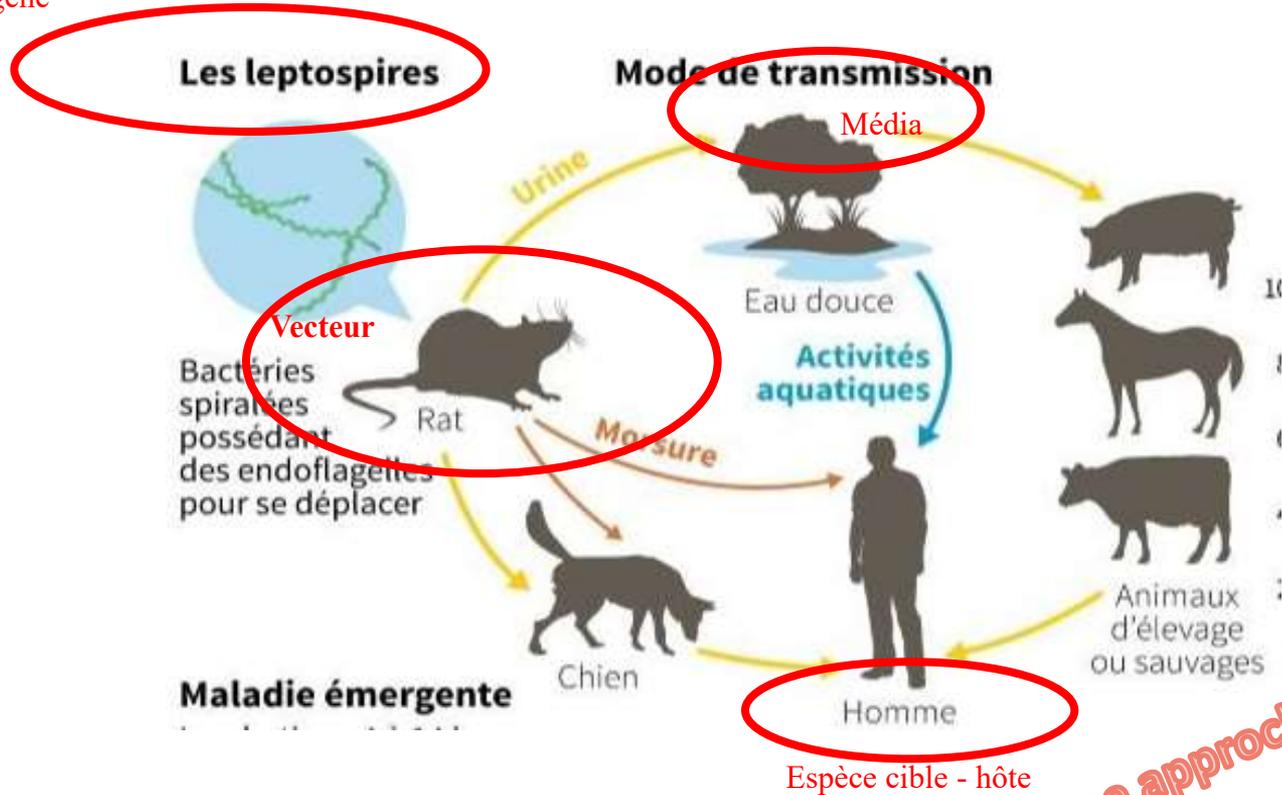


Approche SME



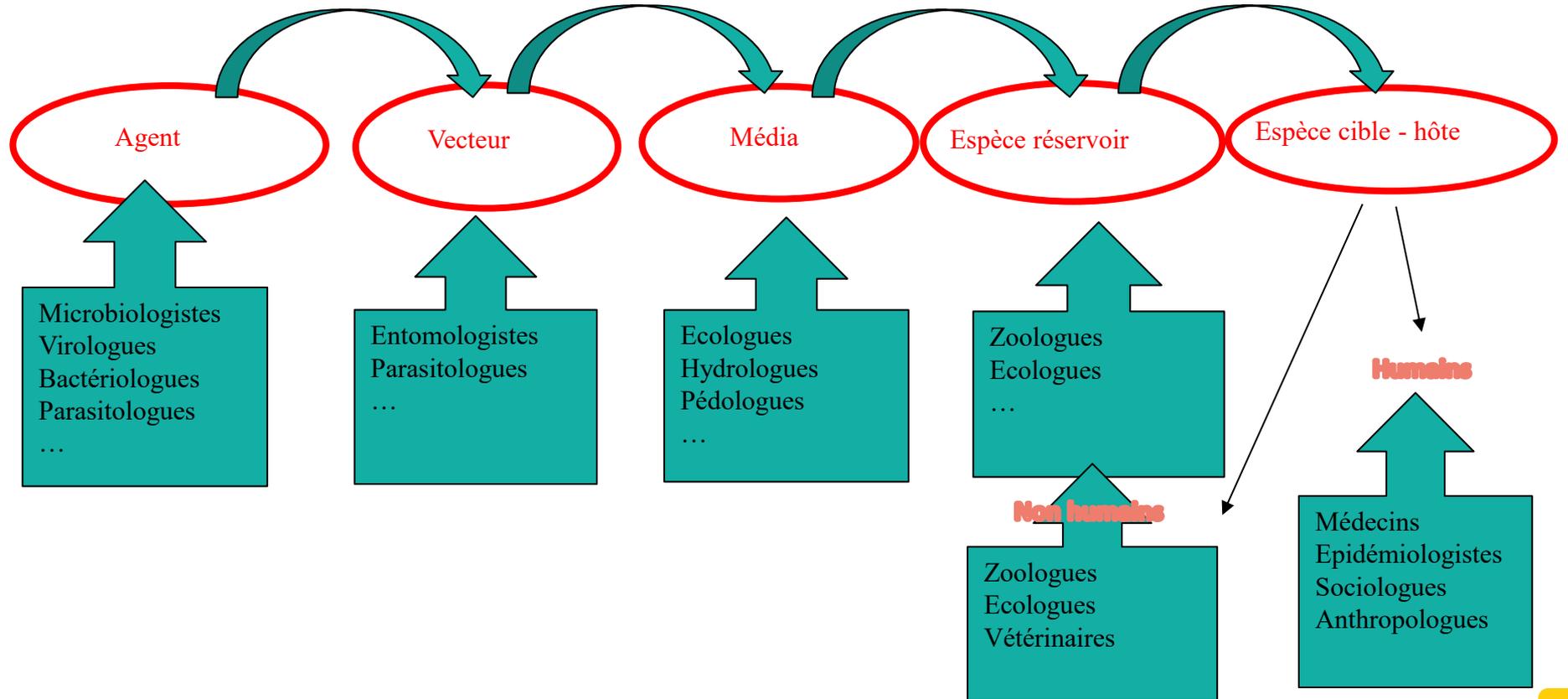
Approche éco-systémique

Agent pathogène



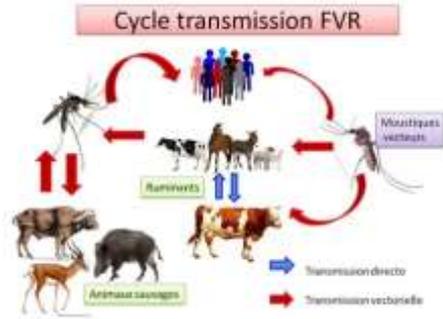
Une approche « circulaire? »

Une chaîne de transmission...De la leptospirose

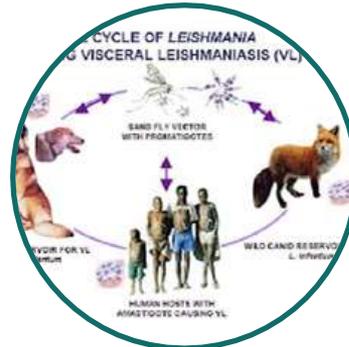


Les maladies transmissibles...

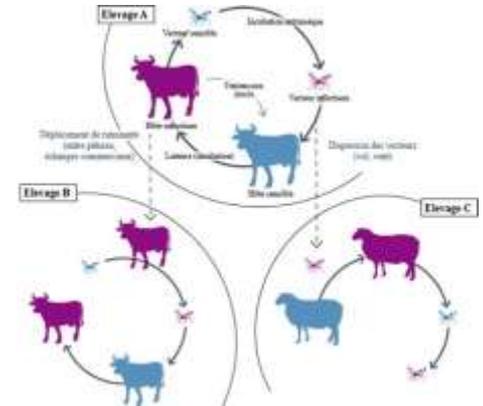
6 maladies à suivre en France – Rapport AFSSA 2005



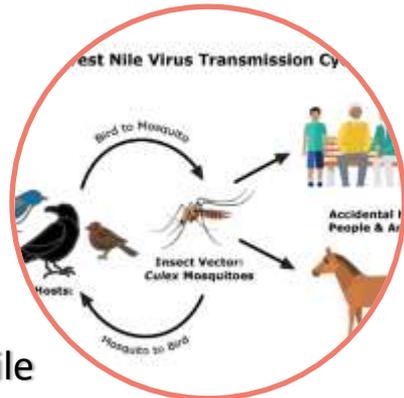
Fièvre de la vallée du Rift



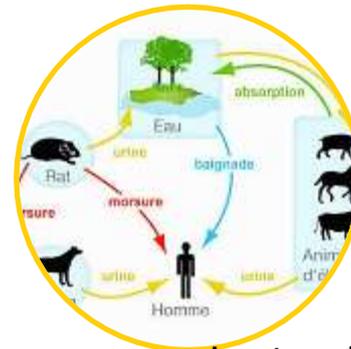
Leishmaniose viscérale



Fièvre catarrhale ovine



Fièvre de West Nile



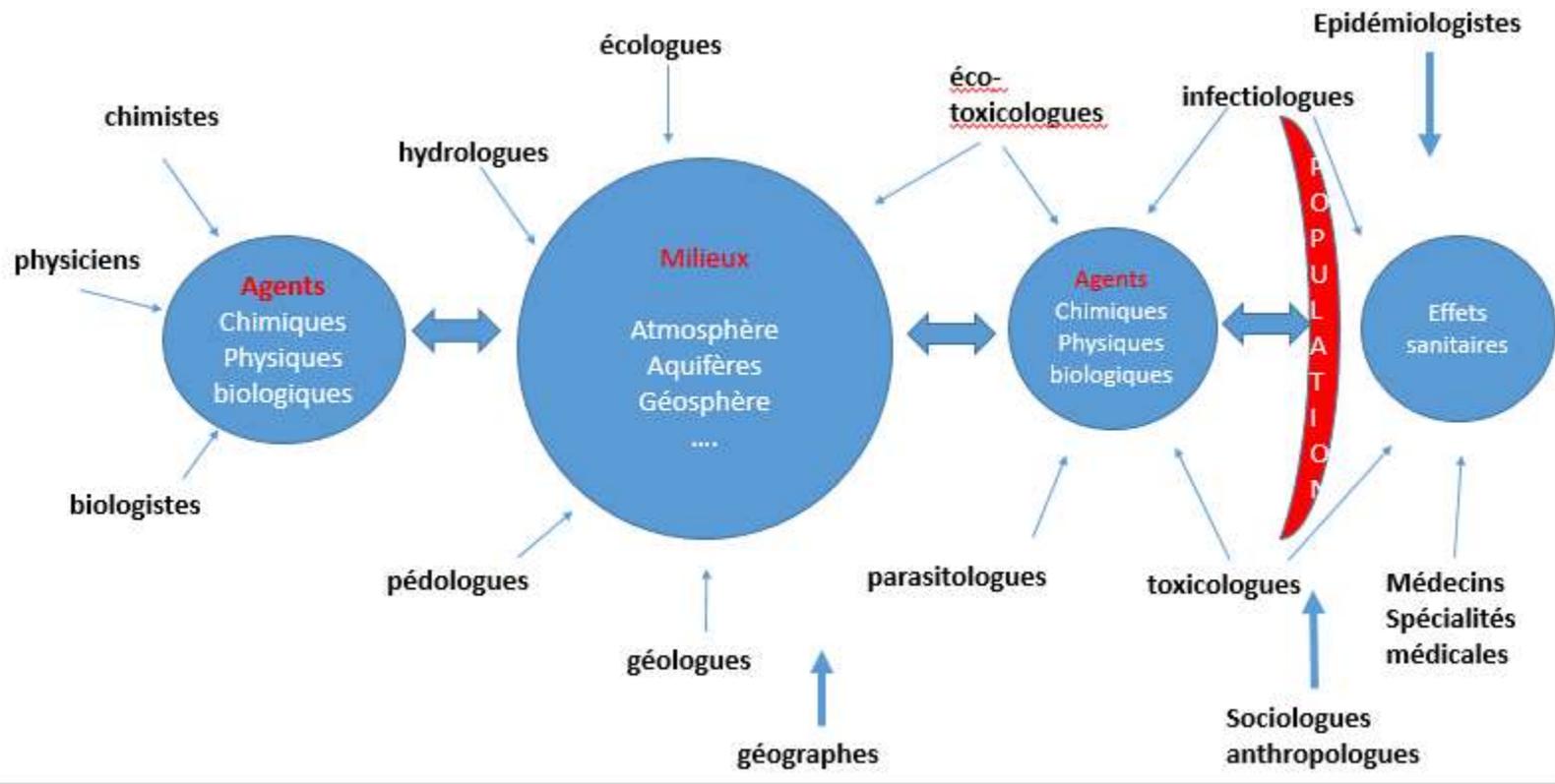
Leptospirose



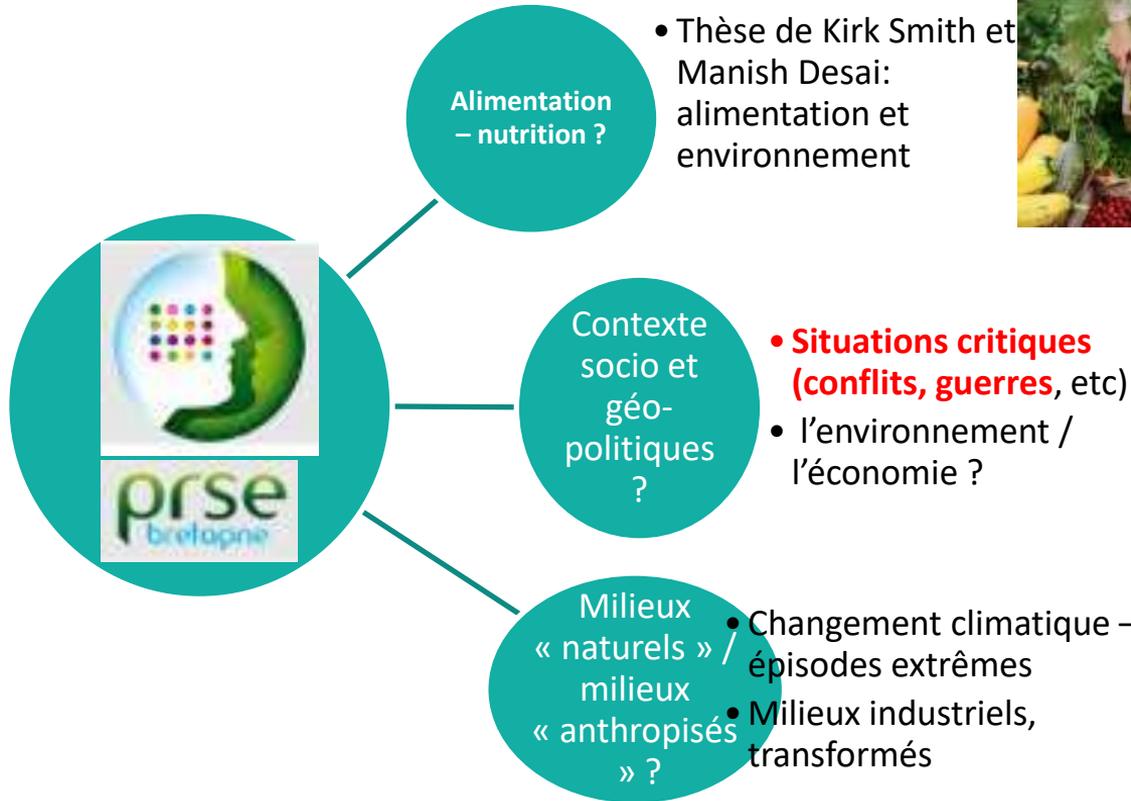
Ce qui manque en santé – environnement-s ?

- Les diagnostics en Environnements et Santé sur les territoires (CLS)
- L'approche « populationnelle » par enquêtes qualitatives
- Les comportements, usages et pratiques des populations
 - En liens avec les expositions (Exposome) y compris aux espèces animales et végétales
- La transversalité des expertises – Milieux – pop Hum – pop Animales
- Les approches « systémiques »... des « réseaux et services écologiques »

Transversalité et inter - disciplinarité



Limites et opportunités

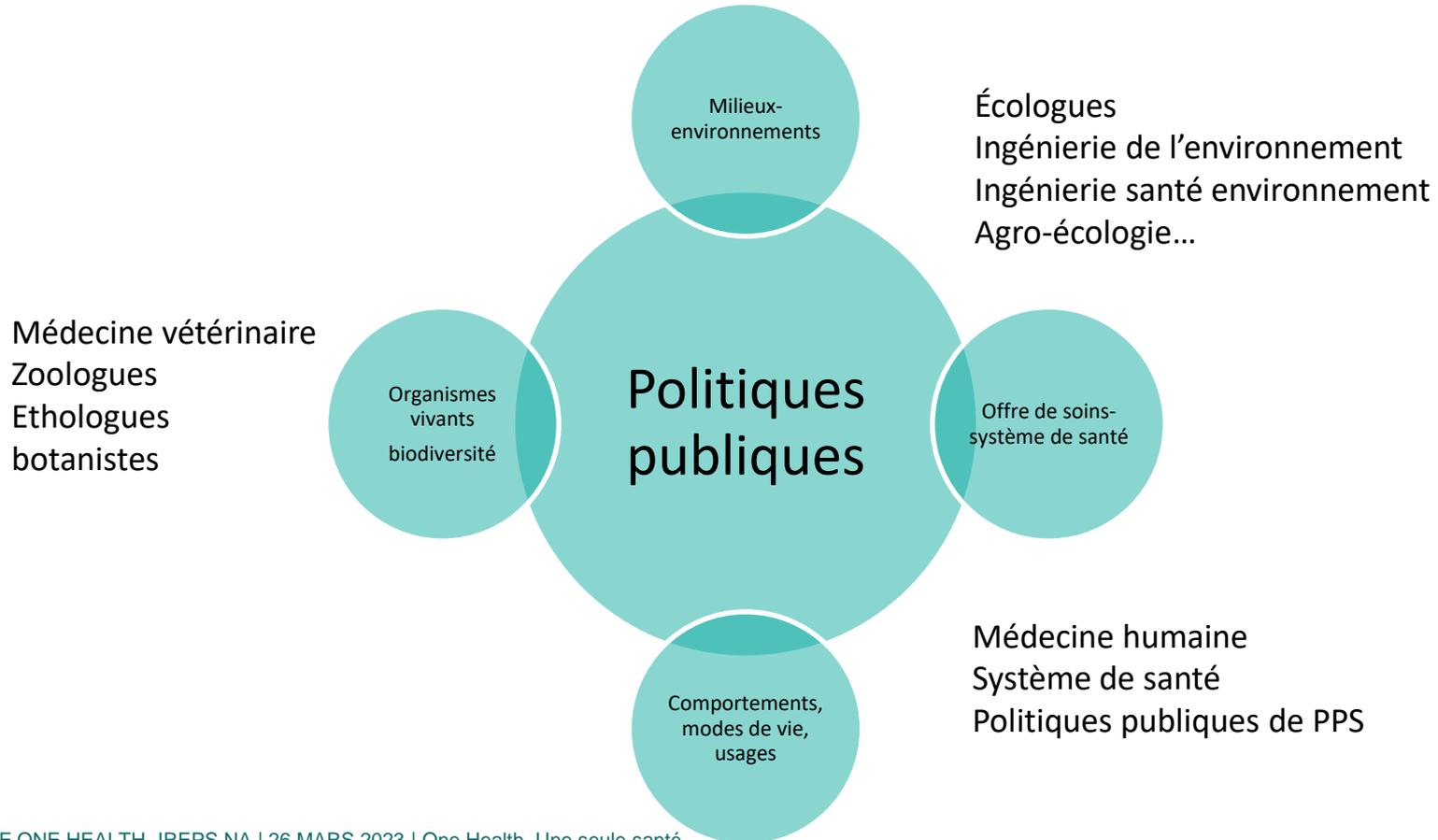


Promouvoir une alimentation saine et durable - Appel à projets régional 2021

L'appel à projets régionaux 2021 invite à promouvoir une alimentation saine et durable et ouvert le 10 septembre au vendredi 23 mai



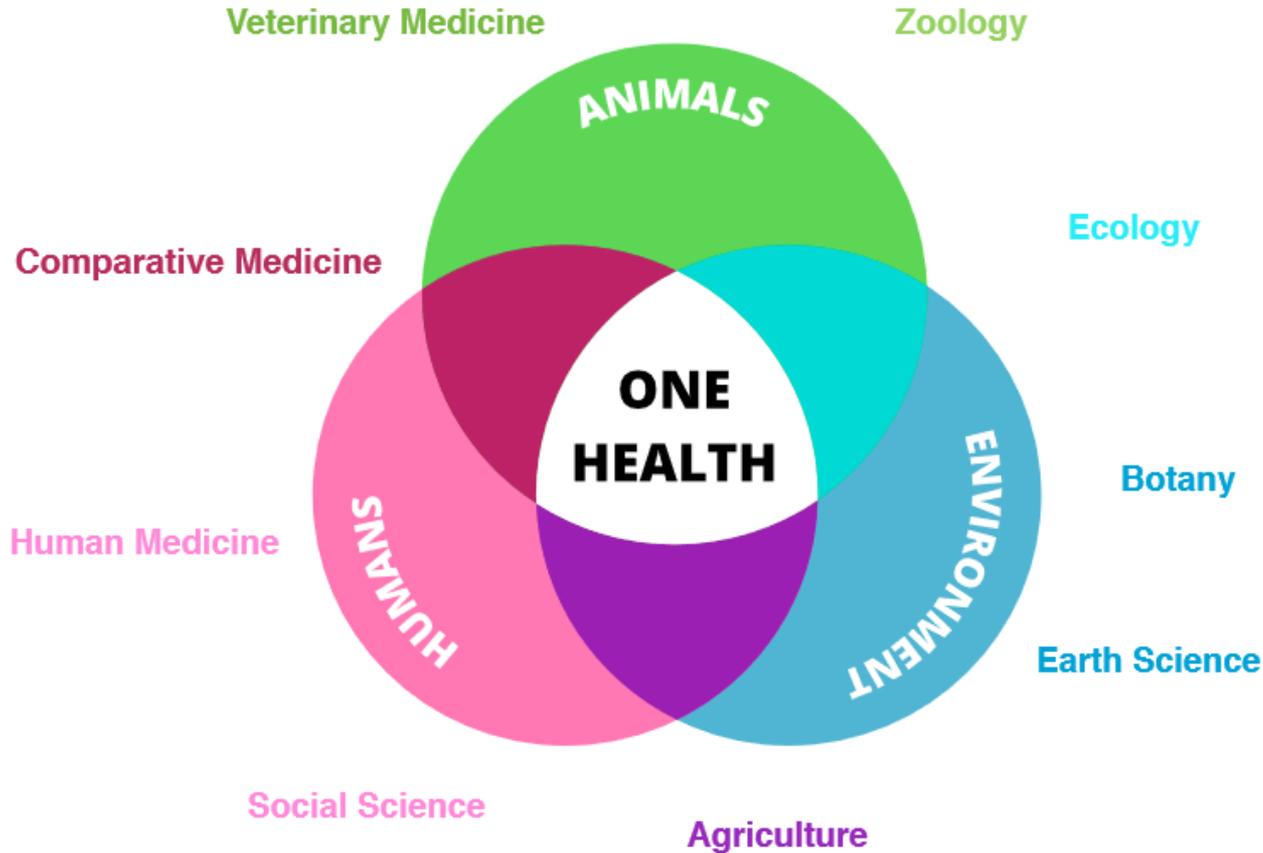
Quelles convergences PPS- One Health ?



Quel agenda pour One Health ?



World Health Organization



Quelles formations ?



Cyrille Harpet, DEESSE- Rennes

Cyrille.harpet@ehesp.fr

Quelle actualité ?

☆ **Création d'un institut pour former les décideurs à l'approche « Une seule santé »**



Risques | 06.03.2023 | D. Laperche



Cyrille Harpet, DEESSE- Rennes

Cyrille.harpet@ehesp.fr

<https://www.actu-environnement.com/ae/news/-une-seule-sante-one-health-institut-formation-decideurs-publics-privés-41296.php4>