



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de la Santé

Direction de la santé



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DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Agriculture,
de la Viticulture et de la
Protection des consommateurs

Administration des services vétérinaires



Luxembourg National Antibiotics Plan : One Health approach

One Health Network

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National Antibiotics Plan (NAP) 2018-2022

Development



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2016

○ Agreement between the Ministry of Agriculture and the Ministry of Health to develop the 1st National Antibiotics Plan

2017

March ○ 1st Steering Committee meeting

April ○ 1st Working groups meeting

June ○ ECDC & DG Santé One Health country visit



2018

- February ○ 1st National Antibiotics Plan approved by the Government
- March ○ Kick-off presentation
- May ○ 1st National Antibiotics Committee
- July ○ 1st Working groups meeting

National Antibiotics Plan 2018-2022



General Objective

Decrease the emergence, development and transmission of AMR in Luxembourg



Strategic Axis



National Antibiotics Plan 2018-2022



General Objective

Decrease the emergence, development and transmission of AMR in Luxembourg



Strategic Axis

Governance

Establish a permanent governance mechanism

Prevention, education & communication

Improve awareness and understanding of antimicrobial resistance through effective communication, education and training

Treatment & Diagnostic

Promote the prudent use of antibiotics in human and animal health

Surveillance

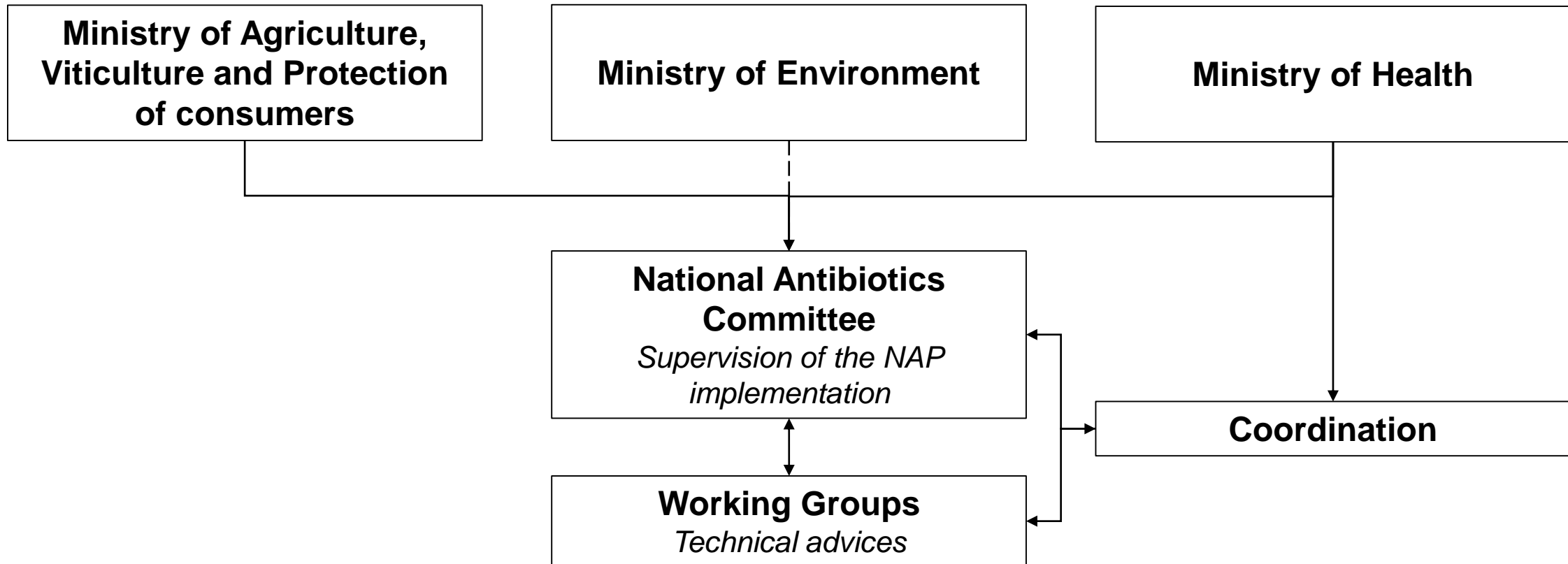
Implement a national surveillance system on AMR and reinforce the monitoring of HAI

Research

Develop a national research strategy

One Health measures

Governance



One Health measures

Prevention, education & communication (1/3)

- Implement an annual awareness campaign for all sectors
 - One Health key messages
 - Development of specific tools for each sector
 - Funding by human health and animal health authorities
- Implicate human/animal health professionals in the campaign development process
 - 1 Working Group : Representatives of health professionals and national human health, animal health & environment authorities

One Health measures

Prevention, education & communication (2/3)

- Support continuous professional development for human/animal health professionals
 - Link trainings between two sectors (human & animal health)
- Support development of training for future human/animal health professionals
 - Organize training for students*
 - Link trainings between two sectors

*Combined with training for health professionals

One Health measures

Prevention, education & communication (3/3)

- Organize annual conference on the implementation of the NAP
 - In 2018, participants were national authorities, doctors, veterinarians, nurses, long-term care health professionals, biologists, students, researchers ...
- Create a website on the NAP activities :
 - Centralize information
 - For professionals & general population

One Health measures

Treatment and diagnostic

- Strategic Axis on human/animal health :
 - Measures for both sectors
- Specific working groups for specific activities :
 - Treatment guidelines for hospital and ambulatory care
 - Antibiotic prudent use guidelines
 - Antibiotic Stewardship Programme

One Health measures

Surveillance

- Produce a global analysis of AMR data by a national multidisciplinary team
 - 1st step : Elaborate a national surveillance report on antibiotic consumption, AMR, antibiotics in food and water
 - Written by each monitoring officials
 - Reviewed by a multisectorial working group
 - Released in November
 - Next step : Create a national multidisciplinary team

One Health measures

Research

- Develop a national research strategy with national & local experts
- Local initiative « Microbiomes in One Health »:
 - PhD training programme, supported by the PRIDE doctoral research funding scheme of the Luxembourg National Research Fund (FNR)
 - 2 thematics : spread of antimicrobial resistance genes and the increasing prevalence of chronic diseases



Perspectives

- Continue to enhance the collaboration between animal & human health sectors
 - Promote the « One Health approach »
- Involve the environment sector in all One Health initiatives

Thank you for your attention !

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