



Food and Agriculture
Organization of the
United Nations

FMM/RAS/298: Strengthening capacities, policies and national action plans on
prudent and responsible use of antimicrobials in fisheries Final Workshop
in cooperation with AVA Singapore and INFOFISH

12-14 December, Concorde Hotel, Singapore

Current status of NAP on AMR (WHO website)

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WHO's response

- WHO is providing technical assistance to help countries develop their national action plans, and strengthen their health and surveillance systems so that they can prevent and manage AMR. It is collaborating with partners to strengthen the evidence base and develop new responses to this global threat.
- WHO is working closely with FAO and OIE in a 'One Health' approach to promote best practices to avoid the emergence and spread of antibacterial resistance, including optimal use of antibiotics in both humans and animals.
- <http://www.who.int/antimicrobial-resistance/national-action-plans/library/en/>



Status based on WHO Website

Country	WHO Website
Bangladesh	2017-2022; DG Fisheries
China	2016-2020; Ministry of Agriculture
Croatia	
Hongkong SAR	
India	2017-2021; ICAR
Indonesia	2017-2019; Tripartite; Ministry of Fisheries
Malaysia	



Country	National Action Plan
China	<ol style="list-style-type: none">1.To exploit advantages of joint prevention and control, and fulfill the department responsibility2.To increase investment in research and development of antimicrobials3.To strengthen the management of antibacterial agents supply security.4.To strengthen the construction of antibacterial agent application and antimicrobial resistance control system.5.To optimize antimicrobials consumption and antimicrobial resistance surveillance system6.To improve the capacity of professional personnel in antimicrobial resistance prevention and control7.To strengthen the prevention and management of environmental pollution of antimicrobials8.To strengthen publicity and education of antimicrobial resistance9.To conduct extensive international exchanges and cooperation
Indonesia	<ol style="list-style-type: none">1. Raising awareness and understanding2. Surveillance of AMR3. Hygiene, Infection Prevention and Control4. Optimise use of antimicrobial medicines5. Build investments in new medicines, diagnostic tools and vaccines

Status based on WHO Website

Country	WHO Website
Netherlands	2015-2019; Ministry of Health to Dutch House of Representatives
Philippines	2015-2020: DoH, DOST, DA, BFAR; One Health
Singapore	
Spain	2014-2018
Sri Lanka	2017-2022; MoFAR
Thailand	2016-2021, One Health; Ministry of Agriculture and Cooperatives (MOAC), Tripartite, ASEAN, SAARC
Viet Nam	2013-2020; Departments of Ministry of Agriculture and Rural Development; Livestock, poultry, aquaculture and cultivation



Country	National Action Plan
Philippines	<ol style="list-style-type: none"> 1. Commit to a comprehensive, financed national plan with accountability and civic society engagement 2. Strengthen surveillance and laboratory capacity 3. Ensure uninterrupted access to essential medicines of assured quality 4. Regulate and promote rational use of medicines, including in animal husbandry and ensure proper patient care 5. Enhance infection prevention and control across all settings 6. Foster innovations, research, and development 7. Development of a Risk Communication Plan to combat AMR
Thailand	<ol style="list-style-type: none"> 1. AMR surveillance system using a One-Health approach 2. Regulation of antimicrobial distribution 3. Infection prevention and control and antimicrobial stewardship in humans 4. AMR prevention and control and antimicrobial stewardship in agriculture and animals 5. Public knowledge on AMR and awareness of appropriate use of antimicrobials 6. Governance mechanisms to develop and sustain AMR-related actions



Country	National Action Plan
Vietnam	<ol style="list-style-type: none"> 1 Raising awareness of community and health workers on drug resistance 2 Enhancing the capacity of national monitoring system for antibiotic use and resistance 3 Ensuring adequate supply of quality essential drugs 4 Enhancing safe, appropriate use of drug 5 Enhancing infection control 6 Strengthening safe, appropriate antibiotic use in livestock, poultry, aquaculture and cultivation
Norway 2015-2020 Min of Health Min of Fisheries Min of Agriculture and Food Ministry of Climate and Environment	<ol style="list-style-type: none"> 1. Strengthen scientific understanding 2. Improve the level of understanding and competence regarding the use of antibiotics, among the general population as well as among prescribers (Doctors, dentists, veterinarians and fishery biologists) 3, Improve prescribing practices in all sectors Diagnostic codes on antibiotic prescriptions for humans 4. Improved infection control; Infection prevention and control measures; Vaccines; Rapid and accurate diagnosis 5. Treat and eradicate infections caused by resistant bacteria 6. Strengthen normative international collaboration 7. Contribute internationally to the development of vaccines, new antibiotics and diagnostic tools

Antimicrobial Resistance

A MANUAL FOR DEVELOPING NATIONAL ACTION PLANS

Version 1

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and

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the World Organisation for Animal Health



Steps in development and implementation

- **Establish a governance mechanism**
 - establish a functional multisectoral coordinating group (MCG)
 - establish technical working group(s)
 - ensure participation of national focal points on AMR in the human and animal health and agriculture sectors.
- **Conduct thorough situational analyses**
 - collect data and available information
 - analyse data
 - assess capacities and identify gaps, opportunities and threats.
- **Planning**
 - define strategic priorities
 - elaborate an operational plan and budget
 - prepare a plan for monitoring and evaluation (M&E).
- **Initiate implementation**
 - submit core documents for validation by appropriate national authorities
 - conduct activities
- **Conduct periodic reviews, and incorporate lessons learnt**



▪ Strategic plan

- goals and objectives
- priorities and interventions

▪ Operational plan

- activities, implementation arrangements, timetable, responsible entities
- detailed budgeting and costing

▪ M&E plan

- performance indicators
- targets and timelines
- data collection and reporting methods



THANK
YOU

