

Strengthening aquaculture health management in Bosnia and Herzegovina



Cover photo:

Modern trout cages of Norfish Blagaj in Mostar, Bosnia and Herzegovina, courtesy of M.B. Reantas (FAO).

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Preparation of this document

This document is an output of the FAO Technical Cooperation Programme (TCP) Project TCP/BiH/3101 “Strengthening Aquaculture Health Management in Bosnia and Herzegovina”. The document consists of several papers: the first paper presents an overview of the project and implementation highlights, followed by a series of six papers that form part of the work of national consultants and international experts who participated in the project. These papers contain useful information on the development and current status of aquaculture and aquatic animal health in Bosnia and Herzegovina.

The Aquaculture Management and Conservation Service (FIMA), Fisheries and Aquaculture Management Division (FIM) of the FAO Fisheries and Aquaculture Department was the Lead Technical Unit (LTU) of this TCP; Dr Melba B. Reantaso, Fishery Resources Officer of FIMA and Lead Technical Officer of the TCP, supervised the preparation of this publication and the overall implementation of the TCP.

Abstract

The FAO Technical Cooperation Programme (TCP) Project TCP/BiH/3101 “Strengthening Aquaculture Health Management”, implemented between late 2006 and mid-2009, was aimed at increasing the effectiveness and efficiency of the State Veterinary Office of Bosnia and Herzegovina on aquatic animal health management to support sustainable and healthy aquaculture production of the country. In this way, Bosnia and Herzegovina will improve the value and efficiency of aquaculture production through the implementation of international aquatic animal health and food safety standards, especially those of its trading partners in Europe. The project developed national policies on aquatic animal health and strengthened the capacity of veterinary administration, inspectors, laboratories and producers in improving compliance with international health and food safety and quality requirements and practices. The project also assisted in disseminating the lessons learned to neighbouring trading partners in order to promote future regional cooperation in aquaculture and aquatic animal health management.

This publication, one of the major documentation outputs of the above TCP, contains a series of seven contributed papers that were presented by national consultants and international experts to participants attending the series of workshops organized by the project. These papers contain information on: (i) project overview and highlights of implementation; (ii) development of national policy and strategy for aquaculture; (iii) European Union animal health requirements for aquacultured animals and their products; (iv) status of national aquaculture development; (v) aquatic animal health surveillance and disease control system in Bosnia and Herzegovina; (vi) national health status of aquatic animals and (vii) aquacultured fish and fishery product quality and safety in Bosnia and Herzegovina.

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Abbreviations and acronyms

AAS	atomic absorption spectroscopy
ALOP	appropriate level of protection
AOAC	Association of Analytical Communities
AVIS	Advanced Veterinary Information System
BD	Brcko District
BiH	Bosnia and Herzegovina
BKD	bacterial kidney disease
BMPs	better management practices
BVI	Border Veterinary Inspection
CA	competent authority
CCA	central competent authority
CCRF	Code of Conduct for Responsible Fisheries
CEFTA	Central European Free Trade Agreement
CRL	Central Research Laboratory
CRL	Community Reference Laboratory
CVI	Cantonal Veterinary Inspection
DAWF	Department of Agriculture, Forestry and Water Management, District of Brcko
DB	District of Brcko
DL	Designated Laboratories
EC	European Community or European Commission
ELISA	enzyme-linked immunosorbent assay
EHN	epizootic haematopoietic necrosis
EPA	Expert Panel for Aquaculture
ERD	enteric redmouth disease
EU	European Union
EUS	epizootic ulcerative syndrome
EVI	Entity Veterinary Inspection
FAfIA	Federal Administration for Inspection Affairs in FBiH
FAO	Food and Agriculture Organization of the United Nations
FBiH	Federation of Bosnia and Herzegovina
FIEP	Development and Planning Service
FIMA	Aquaculture Management and Conservation Service
FIIU	Fish Utilization and Marketing Service
FMoAWF	Federal Ministry of Agriculture, Water Management and Forestry of the Federation of Bosnia and Herzegovina
FSA	Food Safety Agency
GC	gas chromatography
GHP	good hygiene practices
GMP	good management practice
HACCP	Hazard Analysis and Critical Control Point
HH	high health
HPCL	high performance liquid chromatography
IFAT	indirect fluorescent antibody test
IHN	infectious haematopoietic necrosis
IPH	Institute of Public Health

IPN	infectious pancreatic necrosis
ISA	infectious salmon anemia
ISO	International Organization for Standardization
LEGN	FAO Development Law Service
MoA	Ministry of Agriculture
MoAFWRS	Ministry of Agriculture, Forestry and Water Management of the Republic of Srpska
MoFTER	Ministry of Foreign Trade and Economic Relations
MVS	Municipality Veterinary Services
NAAHS	National Aquatic Animal Health Strategy
NPC	National Project Coordinator
NRL	National Reference Laboratory
OIE	World Organisation for Animal Health
OJ	Official Journal of Bosnia and Herzegovina
OMVD	<i>Oncorhynchus masou</i> virus disease
PCR	polymerase chain reaction
PUFAs	polyunsaturated fatty acids
QMS	Quality Management Systems
RAfIA	Republic Administration for Inspection Affairs
RASFF	Rapid Alert System for Food and Feed
RS	Republic of Srpska
SAA	Stabilization and Association Agreement
SPF	specific pathogen free
SPS	WTO Agreement on the Application of Sanitary and Phytosanitary Measures
SVC	spring viraemia of carp
SVO	State Veterinary Office
SWOT	strengths, weaknesses, opportunities and threats
TBT	WTO Agreement on Technical Barriers to Trade
TCP	Technical Cooperation Programme (of FAO)
TRACES	TRAdE Control and Expert System
TVB-N	total volatile basic nitrogen
VHS	viral haemorrhagic septicaemia
VIFBiH	Veterinary Inspectorate of FBiH
VIRS	Veterinary Inspectorate of the RS
WAHIS	World Animal Health Information System
WTO	World Trade Organization

