Abbreviations

AGREV Agriculture and Environment Programme for Vittel area

Anammox Anaerobic ammonium oxidation

BMP Best management practices

BRIICS Brazil, Russia, India, Indonesia, China and South Africa

CEAP Conservation Effects Assessment Project

CMAO Community Multi-scale Air Quality (model)

 CO_2 Carbon dioxide

DER Direct environmental regulation

DNRA Dissimilatory nitrate reduction to ammonium

DON Dissolved organic nitrogen

ERS Economic Research Service (United States Department of

Agriculture)

EU European Union

EUR Euro

Gross Domestic Product **GDP**

Global Environment Fund **GEF**

GHG Greenhouse gas

GLO Ground-level ozone

GMWTP Greater Miami Watershed Trading Programme

GPNM Global Partnership on Nutrient Management (UNEP)

GWAVA Groundwater vulnerability and assessment (model)

GWh Gigawatt hour

GWP Global Warming Potential

HNO₃ Nitric acid

IFA International Fertiliser Association **InMAP** Intervention Model for Air Pollution

INMS International Nitrogen Management System IPA Impact-Pathway Analysis

IPCC Intergovernmental Panel on Climate Change

KWh Kilowatt hour

LRTAP Convention on Long-range Transboundary Air Pollution

 N_2 Dinitrogen (the inert form of nitrogen)

N₂O Nitrous oxide

 N_2O_5 Dinitrogen pentoxide

NANI Net anthropogenic nitrogen inputs

NH₃ Ammonia NH₄⁺ Ammonium

NH₄NO₃ Ammonium nitrate

NH_x Reduced forms of nitrogen (includes ammonia and

ammonium)

Nitrogen Reactive forms of nitrogen (excludes N_2)

Nitrogen cycle Biogeochemical cycle of nitrogen

NLEAP Nitrogen Loss and Environmental Assessment Package

(model)

NO Nitric oxide

NO₂ Nitrogen dioxide

 NO_2 Nitrite NO_3 Nitrate

NO_x Nitrogen oxides (includes nitric oxide and nitrogen

dioxide)

NO_v Oxidised forms of nitrogen (includes nitrogen oxides,

nitric acid and dinitrogen pentoxide)

NRCS Natural Resource Conservation Service (United States

Department of Agriculture)

NUE Nitrogen Use Efficiency

 O_3 Ozone

P Phosphorus

PAN Peroxyacetylnitrate

PAS Integrated Approach to Nitrogen (Netherlands)

Pathways Biogeochemical pathways

PB Planetary boundaries

PES Payment for ecosystem services

PFS Public financial support

PON Particulate organic nitrogen

PM Particulate matter

PM_{2.5} Fine particles (1-2.5 micrometres in diameter)
PM₁₀ Coarse particles (1-10 micrometres in diameter)

PP Precautionary principle

PRMS Precipitation-Runoff Modelling System (model)

REAP Resource Enhancement and Protection Programme

SEK Swedish krona

SWV-GWMA Southern Willamette Valley groundwater management

area (Oregon, United States)

TFRN Task Force on Reactive Nitrogen (UN Economic

Commission for Europe)

TMDL Total Maximum Daily Load

TPS Tradable permit system

UN United Nations

UNEP United Nations Environment Programme

USD United States dollar

VNT Vintage Nitrogen Trading (New Zealand)

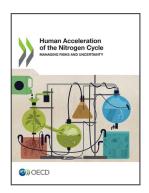
VS Voluntary scheme

WFD Water Framework Directive (EU)
WHO World Health Organisation (UN)

WQSTM Water Quality and Sediment Transport Model (model)

WTO World Trade Organisation

WWTP Wastewater treatment plant



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