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The full list of authors will later be available in Conference Programme

The green marked orals are submitted by members of Scientific Advisory Committee

Note (1), Surname and First Name listed below (for orals and posters) regard the Corresponding Author.

Note (2), in some cases (abstracts), the work will be presented by a colleague of the Corresponding Author.

[name of the presenting authors will be given later]

Abstracts accepted for ORAL PRESENTATION

Abstract no.	Surname	First Name	Country	Abstract Title
3	van der Veeren	Rob	NL	10 years of experience with agricultural water management in the Netherlands; co-operation and knowledge sharing between farmers and regional water authorities to achieve environmental objectives
5	Feyereisen	Gary	US	Eating the metaphorical elephant: Meeting nitrogen reduction goals in the USA's Upper Mississippi River Basin
6	Windolf	Jørgen	DK	Assessment of agricultural nitrogen pressures and legacies in Denmark
7	van den Brink	Cors	NL	Dutch approach to meet the nitrate objectives in vulnerable groundwater protection areas reviewed
9	Bieroza	Magdalena	SE	The present and future of high-frequency water quality monitoring
10	Wolters	Tim	DE	Compliance checking for modelled nitrate concentrations in leachate and gap analysis for reaching WFD targets for groundwater
12	Nakayama	Tadanobu	JP	Development of plastic transport model associated with agricultural and urban land uses in continental scale by extending regional eco-hydrology model
14	Hooijboer	Arno	NL	Measuring water quality on farms in the Netherland with sensors: results of the four year WaterSNIP programme
15	Glendell	Miriam	GB	PhosphoRisk – a systems approach to modelling phosphorus pollution risk in Scottish rivers using a spatial Bayesian Belief Network
16	Schmidt	Benjamin	DE	AGRUM-DE: A national project towards a common understanding between water management and agriculture in Germany with regard to nutrient inputs

18	Durand	Patrick	FR	Modelling nitrogen dynamics in farming landscapes: from system understanding to support to policies, 20 years of TNT2 model.
22	Surdyk	Nicolas	FR	Challenges for linking agricultural pressure indicators with water quality state indicators - Examples from FAIRWAY project
23	Tenner	Elma	NL	Measurement campaign High-frequency Nitrate sensors in the Meuse: Eight nitrate sensors compared, what are the differences?
25	Odeurs	Wendy	BE	Monitoring of Flemish farms benefiting from derogation reveals determinant parameters for the nitrate-N residue
26	Geranmayeh (Ky	Pia	SE	Has regional targeting improved distribution of funds and construction of purpose driven wetlands in Sweden?
27	Venohr	Markus	DE	Compliance checking for modelled N and P loads in surface waters and gap analysis for reaching MSFD and WFD targets in surface waters
31	Hitzfeld	Kristina	DE	Small streams, big problems - German event-driven monitoring reveals alarming pesticide pollution and regulatory deficiencies
33	Hankin	Barry	GB	The impact of climate change-driven water quality changes on long-term environmental planning
34	de Jonge	Martin	NL	Exploring nitrate in shallow groundwater on the basis of soil types: possible role of denitrification capacity in subsoil
36	Zinnbauer	Maximilian	DE	Regional agricultural N surpluses and potential impacts of the revised Fertilizer Ordinance in Germany
38	Darr	Shawn	AU	Enhanced estimates of gully erosion to improve modelled estimates of progress towards water quality targets for the Great Barrier Reef, Australia
39	Kronvang	Brian	DK	Advancing understanding of the importance of surface runoff for delivery of water, sediment, nutrients and pesticides to streams within agricultural catchments
40	Strömqvist	Johan	SE	National-scale modelling of silica and assessment of riverine contribution to potential coastal eutrophication
41	Dupas	Rémi	FR	The influence of landscape organized heterogeneity on riverine nitrate dynamics
42	Trepel	Michael	DE	Nutrient modelling in the national monitoring program for implementation of the nitrate directive
44	van Duijnen	Richard	NL	Impact of crop type on nitrate concentrations in tile drain water in the Clay region of the Netherlands using monitoring data
46	Lukács	Saskia	NL	Effects of drought: extreme weather conditions provide insight in leaching process

50	Christiaens	Louis	BE	Characterisation of nitrate contamination through hydrochemical and isotopic analyses, application to the chalk aquifer of the Mons basin (Belgium)
52	Wynants	Maarten	SE	High-frequency and high-resolution modelling of nutrient and sediment export in agricultural headwater catchments
54	Thorling	Lærke	DK	Redox conditions in European groundwater and nitrate pollution potential
55	Stever-Schoo	Burkhard	DE	A system of early indicators for monitoring nitrate loads from agriculture
56	Brussée	Timo	NL	Strategy to reduce consequence for monitoring in case of change in laboratory
59	Brouyère	Serge	BE	The CASPER project: an integrated approach for pollution risk assessment in peri-urban groundwater catchment areas
60	Coppens	Jan	BE	The use of the nutrient emission model NEMO for evaluating policy scenarios related to nutrient emissions from agriculture to surface waters in Flanders
61	McIntyre	Tina	US	Nitrogen Reductions Through Behavior Change: A Focus on Fertilizer
64	Lagzdins	Ainis	LV	The long-term results of the Agricultural Runoff Monitoring Programme in Latvia: nitrate – nitrogen concentrations
66	Skarbøvik	Eva	NO	Comparing the correlation between turbidity and suspended solid concentrations in rivers of different characteristics from six Northern-European countries
68	Mielenz	Henrike	DE	Suitability of early indicators to assess nitrate leaching from agricultural fields
69	Volk	Martin	DE	OPTAIN - Optimal strategies to retain and re-use water and nutrients in small agricultural catchments across different soil-climatic regions in Europe
70	van Herpen	Frank	NL	Joint fact finding on options for nutrient loss reduction
72	Oduor	Brian Omondi	ES	Modelling the Impacts of Climate Change on Streamflow and Nitrates Export in a Mediterranean Agricultural Watershed in Spain
74	Andersen	Hans Estrup	DK	Mapping of risk areas for diffuse phosphorus losses to the Danish aquatic environment
75	Bhogal	Anne	GB	Farming Rules for Water in England – Finding the balance
76	Cassidy	Rachel	GB	Perspectives on water quality monitoring approaches from citizen science to enhanced and real-time solutions for delivering behavioural change.
77	Jarosiewicz	Paweł	PL	Spatial-temporal dynamics of pollutants in small rivers under the different pressure of orchards

82	Dieser	Mona	DE	Identifying most relevant factors on soil mineral nitrogen contents in autumn on agricultural soils in Germany using Random Forest
83	Tetzlaff	Björn	DE	Modelling N- and P-input into surface waters in Germany
84	Vaessen	Frans	NL	The process by which a water supply company collaborates with farmers with the aim of avoiding investment costs for building a nitrate treatment plant
86	Zieseniss	Steffen	DE	Nitrogen use efficiency on arable farms in five regions in Germany at four scales: region, farm, crop and field
87	Christel	Wibke	DK	Green transition of Agriculture – how Denmark plans to reduce aquatic N pollution and GHG emissions by transforming the sector and integrating N & C management at farm and landscape scale
88	Bartosova	Alena	SE	Evaluating sources and flows of riverine plastics with ensemble modeling
90	Thorburn	Peter	AU	Increasing farmer awareness of the impact of agriculture on water quality with the 1622WQ app
91	Turner	Ryan	AU	Reef Catchments Science Partnership – enabling water quality improvements for the Great Barrier Reef.
92	Mellander	Per-Erik	IE	Phosphorus loss risk to water estimated from high frequency data: quantifying the “transfer continuum”
94	Rode	Michael	DE	Exploring the relations between sequential droughts and stream nitrogen dynamics in central Germany through catchment-scale mechanistic modelling
96	Buijs	Simon	NL	Impact of the 2018-2020 drought on nutrient concentrations in agricultural-dominated headwaters in the Netherlands
102	Nawara	Sophie	BE	Good practices focused on improving water and soil quality : the farmer as promoter and key actor for a right behavior and broad use of appropriate techniques
103	Löw	Philipp	DE	Assessing the reliability and uncertainty of agri-environmental indicators in German nitrogen policy
105	Spijker	Job	NL	A machine learning based modelling framework to predict nutrient leaching from agricultural soils across the Netherlands.
107	Frederiksen	Rasmus Rumph	DK	An empirical model for tile flow fraction in systematically tile-drained minerogenic soils
108	Farkas	Csilla	NO	Water quality response to Nordic bioeconomy and climate change scenarios at catchment scale, a case study from S-E Norway
109	Kieboom	Natalie	GB	National Sector Inventory and heat mapping of nitrogen loads to groundwater in England

112	Brandes	Elke	DE	MOMENTUM – a model network to quantify microplastic sources and migration pathways throughout a river catchment
116	Ouwerkerk	Kevin	NL	Hot-spots and hot-moments: high resolution monitoring in time and space to support a spatial targeting approach for nutrients in agricultural catchments
118	Erlandsson Lamp	Martin	SE	Methods to assess the potential of reducing phosphorus loads from agricultural land
120	Schönhart	Martin	AT	Integrated assessment of policies to manage nutrient losses from agricultural land under climate change in Austria
121	Blicher-Mathiesen	Gitte	DK	Effect of extreme climate events on responses of nitrogen leaching and concentrations in agricultural catchments in Denmark
122	Strenge	Eva	AT	The model PhosFate as a decision support tool for implementing erosion mitigation measures in agriculture land
123	Ros	Mart	NL	Exploring the potential of cover crops and balanced fertilisation to reduce nitrate leaching in Europe.
124	Lischeid	Gunnar	DE	The curse of the past – what can tile drain effluent tell about arable field management?
125	Djodjic	Faruk	SE	Cost efficient nutrient retention in constructed wetlands at a landscape level
127	Ladekarl	Ulla	DK	Targeted measures against pesticide contamination in main groundwater recharge areas in Aarhus – groundwater protection and management
128	Rozemeijer	Joachim	NL	Impact of climate variability and water conservation on farm-scale P and N losses towards surface water from four years of high-resolution monitoring
129	Broers	Hans Peter	NL	Hydrogeological constraints on age distributions and nitrate evolution in Dutch chalk springs.
130	McCormack	Michele	IE	Socio-economic drivers of Nitrogen Use Efficiency and Nitrogen Balances on Irish dairy farms
131	Van Loon	Arnaut	NL	Linking nutrient leaching to agricultural activities and weather events by field-scale hydrochemical monitoring
132	Eisele	Michael	DE	Determination of nitrate polluted areas – Experiences in North Rhine-Westfalia
133	Sundermann	Greta	DE	Organic farming, water quality and drinking water supply costs – An empirical analysis for Germany
134	Jordan	Phil	GB	MCPA: revealing the pressures and addressing the challenges at catchment scale

135	Galloway	Jason	IE	The application of a hierarchical Bayesian model to understand water quality drivers in 4 agricultural catchments across multiple spatial scales
137	Kivits	Tano	NL	Assessing the land use specific vulnerability of public drinking water supplies using multi-tracer age dating
143	Gertz	Flemming	DK	Water exchange in coastal waters affecting priorities of land-based measures
144	van Vliet	Marielle	NL	Evaluating patterns of nutrients, pesticides and emerging contaminants in age-dated groundwater: monitoring the Sand-Meuse groundwater body in the Netherlands
146	Meldorf Deichma	Majken	DK	A new Danish concept for hectare-scale groundwater N-retention - Optimization of catch crop application at field and catchment scale
149	Kyllmar	Katarina	SE	Adaptive water management in the agricultural landscape: A framework for integration of field experiments, long-term monitoring, modelling and local engagement
150	Kliština	Ján	SK	Groundwater nitrate pollution from agricultural sources and its monitoring in the Slovak Republic
151	van der Grift	Bas	NL	Unexpected impact of land use on hardness of groundwater abstracted for drinking water supply
152	Solheim	Anne Lyche	NO	Quantifying stakeholder opinions on how bioeconomic development could change land-use, agriculture and forest production in the Nordic countries
154	Daatselaar	Coo	NL	Farm management, nutrient results and water quality with focus on maize
155	Hansen	Birgitte	DK	A new Danish concept for hectare-scale groundwater N-retention mapping – Presentation, implementation, and validation of the concept
157	Boekhold	Sandra	NL	From farm to drinking water: Improving governance conditions to better protect drinking water resources against agricultural pollution from nitrate and pesticides
161	Rosendorf	Pavel	CZ	Strategy for Nutrient Reduction in Waters in the International Elbe River Basin District – Goals and Opportunities
169	Schulte-Uebbing	Lena	NL	Spatially explicit safe boundaries for agricultural nitrogen inputs in the European Union
170	Roberts	Cameron	AU	Using Spectral Data to Infer Data Quality
171	Nesheim	Ingrid	NO	The role of structural input factors for the functioning of stakeholder involvement in decision making: economic resources, a specified mandate and a pressure for change
172	Merz	Christoph	DE	Are kettle holes across agricultural landscapes a potential medium for redistribution of solutes towards their nearby river network?

174	Maagaard	Astrid	DK	Saturated buffer zones treating agricultural drainage water: A new mitigation measure in Denmark
179	Sapiano	Manuel	MT	Monitoring the fate of Nitrate Contamination in the Vadose Zone in Malta's Mean Sea Level Aquifer System
180	Heidecke	Claudia	DE	Title: Aspects of implementing Farm to Fork nitrogen targets with tools, measures and policy instruments across Europe
181	Graversgaard	Morten	DK	Catchment officers in Denmark – how does this new concept in Danish water management fit into the existing governance set-up?
183	Strand	John	SE	LIFE-Goodstream for Good Ecological Status in a holistic approach – reduced nutrients and increased biodiversity in an agricultural stream using multifunctional wetlands and Integrated Buffer Zones
186	Muller-Karulis	Bärbel	SE	Legacy nutrients in the Baltic Sea drainage basin – large scale modelling of nutrient storage and transfer to the sea
188	Thodsen	Hans	DK	Danish Year 1900 nitrogen load to the sea
189	Vermaat	Jan	NO	Projecting the impacts of the bioeconomy on Nordic land use and freshwater quality and quantity – an overview
190	Capell	René	SE	Effectiveness of upstream remediation measures on macro-nutrient loads to the Baltic Sea
192	Middleton	Bob	GB	Linking evidence and delivery: evaluating and improving delivery of water quality measures at the farm level
193	De Neve	Stefaan	BE	Spatial distribution of the relationship between nitrate residues in soil and surface water quality revealed through attenuation factors
194	Hiscock	Kevin	GB	A stable isotope and hydrochemical approach to investigating denitrification in an agriculturally-impacted arable catchment in eastern England
195	Dessirier	Benoît	SE	A century of Nitrogen dynamics in agricultural watersheds of Denmark and Sweden
204	Harter	Thomas	US	Quantifying Long-Term Regional Groundwater Quality Benefits from Agricultural Practices
205	Deakin	Jenny	IE	Science-Policy-Action-Outcomes. Ireland's journey towards improving water quality
207	Hasler	Berit	DK	Cost-effective implementation of the WFD in Denmark - a national scale modelling approach
209	Acutis	Marco	IT	Is organic farming a solution to promote water quality and ecosystem services in the Russian part of the Baltic Sea catchment area?

210	Sinclair	Matt	AU	Near real time water quality monitoring based on co-design, fostering real-life adaptive management
212	Blombäck	Karin	SE	A new calculation system to evaluate the effect of leaching reducing measures for P from arable land in the local scale
214	Taylor	Ken	NZ	The use of quantitative models in environmental regulation in New Zealand: problems, priorities, and principles
216	Manshanden	Mark	NL	Goal based approach using maximum allowed level of nitrogen soil surplus on Dutch cropping farms
218	Duy Ta	Phuong	DE	Implementing a Statewide Deficit Analysis for Inland Surface Waters According to the Water Framework Directive—An Exemplary Application on Phosphorus Pollution in Schleswig-Holstein (Northern Germany)
220	Brauns	Bentje	GB	Assessing differences in groundwater recharge flows under conservation agriculture and conventional tillage
221	Kronvang	Brian	DK	Pitfalls and new solutions in water quantity and quality monitoring
226	Hilliges	Falk	DE	Evaluation of water data as a main contribution to the effect monitoring for the implementation of the Fertiliser Ordinance in Germany
231	Lauryssen	Florian	BE	Estimation of the natural background of phosphate in a lowland river using tidal marsh sediment cores

Abstracts accepted for POSTER PRESENTATION

Abstract no.	Surname	First Name	Country	Abstract Title
2	Amanda	Ashworth	US	Precision Poutlry Litter Applications in Pastures Results in Lower Phosphorus Losses to the Environment
13	Clement	Timothée	BE	Effectiveness of undersown crops and strip tillage at reducing erosion and pesticide transfer in maize crops. Results of field trials
19	Hounyèmè	Romuald	FR	New composite physico-chemical indicators constructed by Bayesian inference
20	Kronvang	Brian	DK	A novel machine learning national model for diffuse source total phosphorus concentrations in streams
28	Moore	Philip	US	Legacy Effects of Fertilizing with Alum-treated Poultry Liter on Phosphorus Runoff
29	Warne	Michael	AU	Temporal variation of imidacloprid concentration and risk in waterways discharging to the Great Barrier Reef and potential causes
32	Ezzati	Golnaz	SE	Catchment-specific best management practices to minimize nutrient losses

35	Altés	Víctor	ES	Nitrate and salt exportations monitoring at irrigation district level
37	Zhuang	Yilin	US	Florida-Friendly Landscaping™ Education in Central Florida Results in Measurable Water Conservation
43	Barcala	Victoria	NL	How to optimize phosphate removal by iron-coated sand filters in agriculture
45	Wichman	Tom	US	Florida's Green Industries Best Management Practices training promotes sustainable urban landscapes
47	Koroša	Anja	SI	Modeling transport of nitrate in a gravel unsaturated zone
49	Mali	Nina	SI	Microplastics as emerging contaminants in groundwater
51	Jolankai	Zsolt	HU	Occurrence and concentration of hazardous substances in soils and river suspended sediment in 7 river catchments within the Danube River Basin
53	Siksnane	Ieva	LV	Analysis of the impacts of meteorological and hydrological variability on quality of agricultural runoff in Latvia
57	Soedarso	Jill	NL	The fate of contaminants of emerging concern in sandy soils by irrigating with (in)direct treated municipal effluent
58	Bolster	Carl	US	Rainfall-runoff models compared for tile drained agricultural fields in the Western Lake Erie Basin, Ohio
63	Lagzdins	Ainis	LV	Targeted water quality monitoring for implementation of river basin management plans in Latvia: the approach of the LIFE GOODWATER IP project
65	Fölster	Jens	SE	GAMM models on open data show improving water quality in agricultural streams
71	Hallberg	Lukas	SE	The role of catchment controls for nitrogen and phosphorous removal in remediated agricultural ditches
73	Oduor	Brian Omondi	ES	Evaluating the Impacts of Agricultural Transformation from Rainfed to Irrigation on Streamflow and Nitrates in a Mediterranean Agricultural Watershed in Spain
78	Appels	Joep	NL	No online sensor data possible without certified lab-data, how to Optimize Sensor Data!
79	Farrow	Luke	GB	Evaluation of Chemcatchers® for pesticide monitoring in agricultural grassland catchments
80	Mishima	Shin-ichiro	JP	Nutrient Balance and Mitigation in Japan
85	Kusters	Ellen	NL	Development and implementation of the Nitrate leaching Model South Limburg: towards improvement of water quality in combination with sufficient fertilization of arable crops

89	Turner	Ryan	AU	Analysis of fifteen years of anthropogenic loads of sediment, nitrogen and phosphorus entering the Great Barrier Reef, Australia
93	Adams	Russell	GB	Meeting WFD Targets in the Blackwater Catchment in NI: A Simple Modelling Based Approach to Estimating Phosphorus Load Reductions
95	Morton	Phoebe	GB	Walking trees and dark rivers: impacts of a large-scale bogflow (peat slide) on water quality in the Derg catchment, NW Ireland
97	Bernhardt	Jacob Jeff	DE	Modelling climate change impacts on regional agricultural irrigation demand –
98	Severini	Edoardo	IT	Short-term effects of the EU Nitrate Directive reintroduction: reduced N loads to river from an alluvial aquifer in northern Italy
100	Retike	Inga	LV	Protection measures for shallow clear-water Lake Mazuika (Northern Europe, Latvia) based on conceptual understanding of the catchment
101	Krzeminska	Dominika	NO	The effect of constructed wetlands under future climate conditions – 18 years of measurements in a small Constructed Wetland in Norway
104	Jordan	Phil	GB	Using short-rotation willow coppice to mitigate water quality impacts from point sources
110	Tits	Mia	BE	Further development of the modeling of nutrient processes in the unsaturated zone in the nutrient emission model NEMO
111	Holm	Helle	DK	Development of a new and more differentiated nitrogen retention mapping to reduce nitrate leaching with a more targeted and cost-efficient N-mitigation strategy.
113	Hawtree	Daniel	IE	Application of a Parsimonious Phosphorus Model (SimplyP) to Two Contrasting Agricultural Catchments in Ireland
114	Atcheson	Kevin	GB	MCPA exports and pathways at catchment scale: insights from enhanced water quality data
115	Izydorczyk	Katarzyna	PL	Multi-stakeholder local cooperation on water management in agricultural landscapes for increased water retention: Kutno County, Waterdrive case area
117	Khodaparast Haç	Reza	GB	Evaluating the application of UV-Vis spectroscopy for simultaneous detection of nitrate, DOC and phosphorus and for chemical 'water quality fingerprinting'
126	Mikl	Libor	CZ	Impact of moderate rainfall on suspended sediments in urban river landscape – a preliminary study
136	Ekholm	Petri	FI	Release of soil-bound phosphorus in aquatic systems
138	Bikše	Jānis	LV	How to select springs for groundwater monitoring based on geochemical and catchment characteristics

139	Adams	Kerr	GB	Identifying and testing adaptive management options to increase catchment resilience using a Bayesian Network.
142	Žurovec	Ognjen	IE	Lysimeter- measured nitrate leaching on non-derogation and derogation farms in Ireland
145	Kristensen	Nanna Hellum	DK	Effect of previous years fertilizer application rate on nitrate leaching
148	Pedroso de Lima	Rui	NL	Unmanned vehicles to monitor rapidly changing environments
153	Fujita	Yuki	NL	Assessing effects of agricultural soils and measures on water quality: national- and regional-scale case studies with farm specific monitoring tools
156	Malik	Wafa	FR	Modelling nitrogen mitigation scenarios to reduce coastal eutrophication
158	Zeleznikar	Spela	SI	Precision irrigation based on soil water content measurements: Calibration of soil moisture sensors and determination of soil water retention properties
159	Jabro	Jay	US	Effect of tillage on drainage and nitrate leaching from irrigated corn-soybean rotation
162	Spill	Caroline	DE	Water quality monitoring in headwaters with mixed land use – first insights into water quantity and quality
163	Enge	Caroline	NO	A clear mandate and political anchorage is needed for sustainable stakeholder engagement in water management
165	Bieger	Katrin	DK	Impacts of the transition to a Nordic bioeconomy on streamflow and nitrogen loads in the Odense Fjord Catchment, Denmark
168	Neelamraju	Catherine	AU	Is diuron an increasing hazard in catchments of the Great Barrier Reef?
173	Pugliese	Lorenzo	DK	Phosphorus retention by compact filter systems treating agricultural drainage discharge
175	Scott	Alison	GB	Quantifying sediment and phosphorus erosion at riverbank cattle access points
177	Curk	Miha	SI	Balancing environmental and economic impacts of groundwater protection measures for sustainable development of agriculture in nitrate vulnerable zones
178	Izydorczyk	Katarzyna	PL	Raising farmers' environmental awareness for wider use of NBS measures in agricultural areas
182	Commelin	Meindert	NL	Predicting environmental concentrations of pesticides and mixture toxicity with the SWAP-PEARL model - a reality check
184	Strand	John	SE	Widening of stream cross sections of agricultural water courses as a tool to reduce floods and erosion in downstream areas

185	Zhang	Jie	NL	Increasing soil phosphorus saturation in China's croplands poses a long-term risk of surface water eutrophication
187	Salo	Tapio	FI	Developing nitrogen leaching model for the Life cycle assessment of organic and conventional crops
191	De Neve	Stefaan	BE	Long term (50 years) simulations of average root zone nitrate concentrations partially explain slowly improving water quality in northern Belgium
197	Li	Yuanyin	GB	What are the potential impacts of future climate and land-use changes on groundwater nitrates?
198	Li	Sheng	CA	Controlled traffic farming on commercial potato fields in Atlantic Canada – preliminary results of soil hydrological properties and potato biomass and yield
199	DiPietro	Laura	US	How Vermont Has and Continues to Achieve Significant Phosphorus Reductions from Agricultural Operations
200	Cvejić	Rozalija	SI	Advancing land use practices to ensure suitable groundwater quality for the aquatic salamander Proteus anguinus in the Dinaric karst (Bela krajina, SE Slovenia).
202	Malmquist	Louise	SE	Water balance alteration and buffering capacity of extreme weather, through soil- and water management for crop production - Examples from four agricultural catchments in Sweden
203	Tsatsaros	Julie	US	A transdisciplinary approach supports community-led water quality monitoring in river basins adjacent to the Great Barrier Reef, Australia
206	van Beelen	Patrick	NL	An R package for the quality control of ground and surface water measurements
208	Hasler	Berit	DK	Cost-effective phosporus load reductions to lakes - an integrated modelling approach
213	Blombäck	Karin	SE	Effects of bioeconomy scenarios on agricultural management practices and nutrient leaching losses using high resolution leaching coefficients
217	Karlovic	Igor	HR	Impact of land use on groundwater quality in the Varaždin alluvial aquifer
219	Guejjoud	Hajar	FR	Phosphorus surplus in France: model and trends over the period 1920-2020
224	Gallé	Tom	LU	Catchment property- load regressions as a simple management tool for agricultural impact mitigation
225	Owens	Phillip	US	Topography Controls Nutrient Variations in a Silvopasture System at the Plant-Soil-Water-Animal Nexus

228	Shockley	Dan	GB	Assessing mobility of microplastics from soil to groundwater using soil leaching columns to enhance effectiveness of field sampling of groundwater for microplastics presence.
233	Saavedra	Felipe	DE	The effect of hydrological extreme events on nitrate export patterns