Eastern Europe Demonstration Region
Tentative workplan
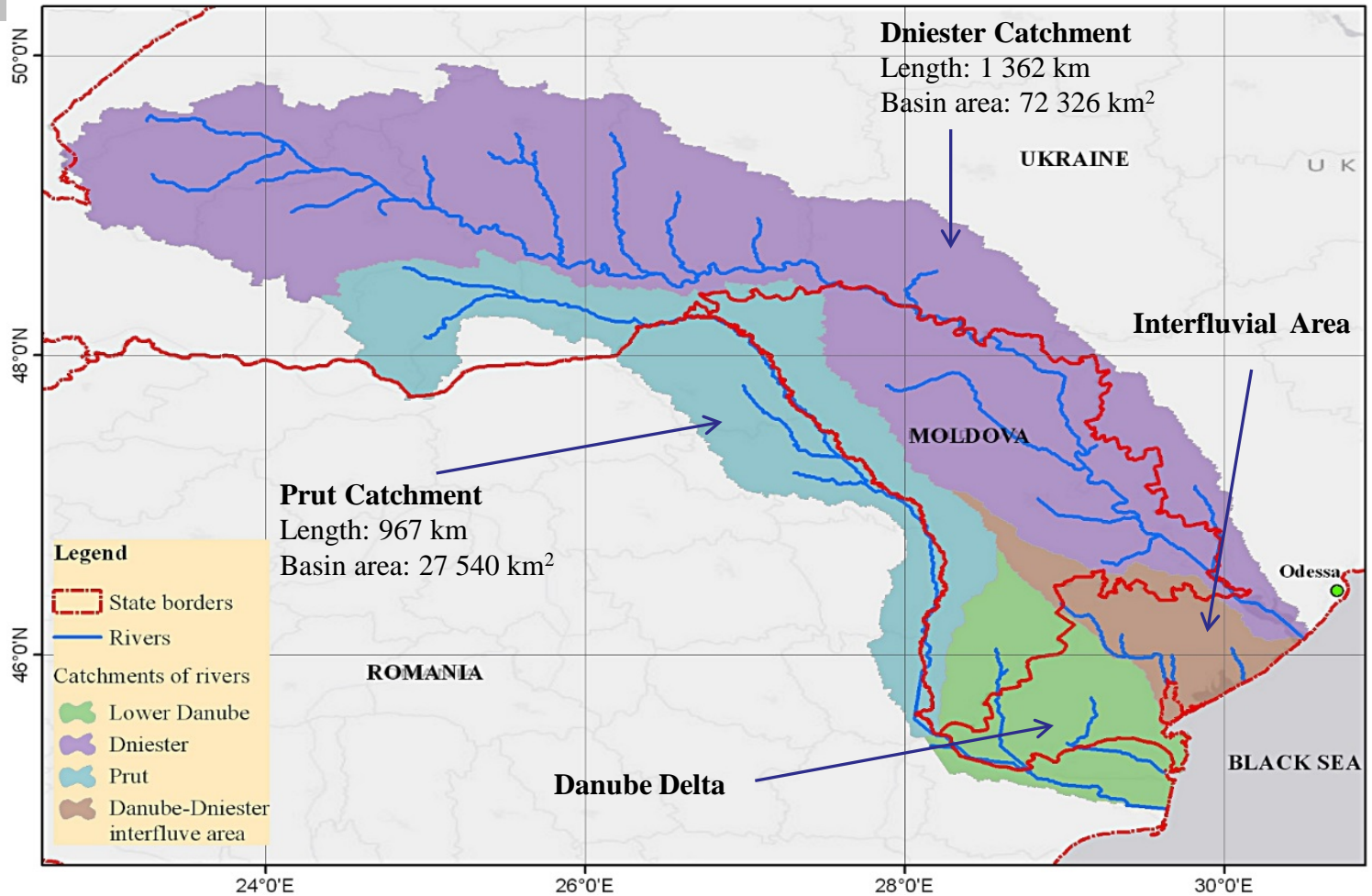## (M7-M18)

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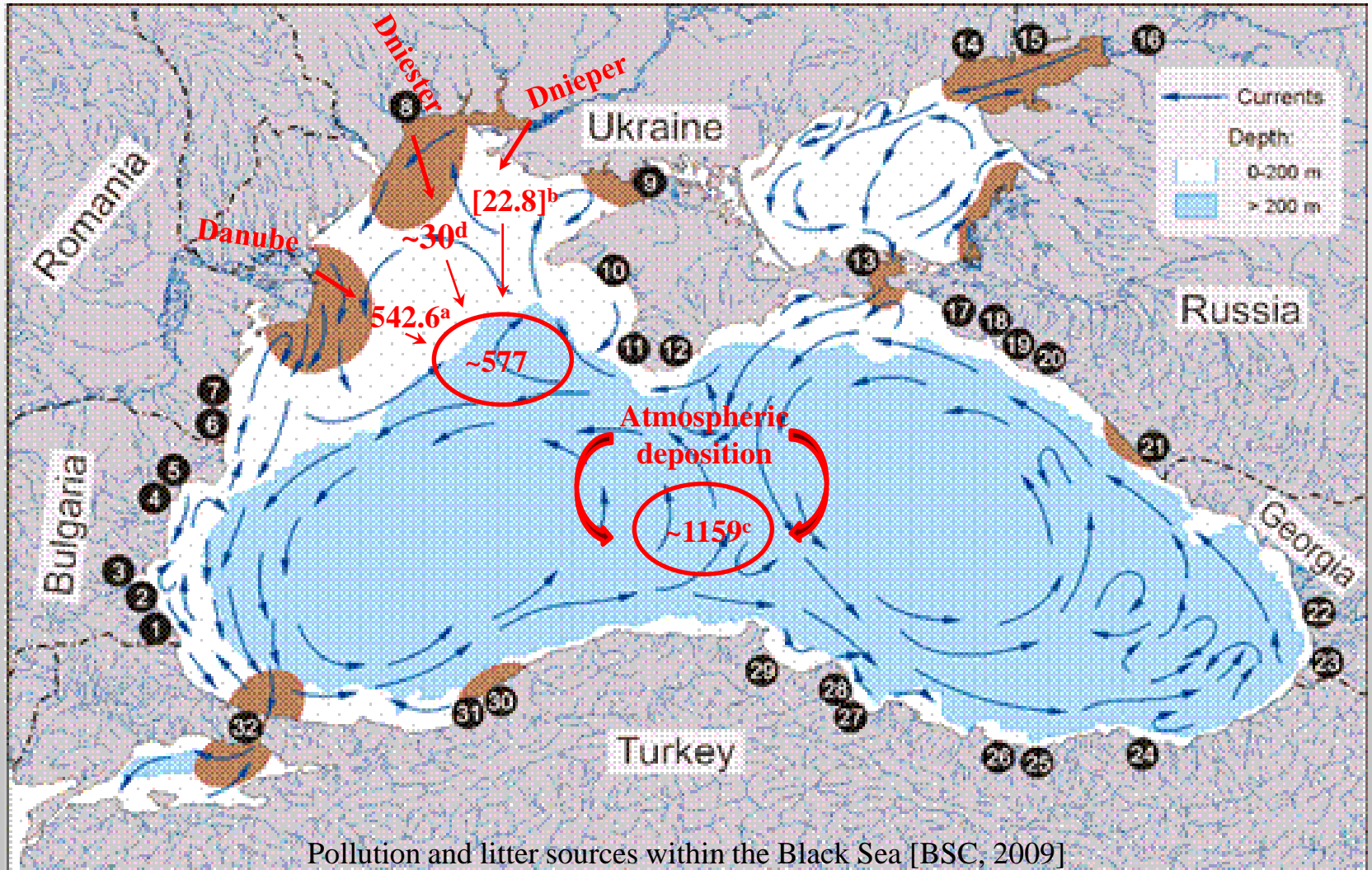**Edinburgh, 16th-19th April 2018**

EE demo

Introduction

Map of Eastern Europe Demonstration Region

Riverine and atmospheric total N input (Gg N y^{-1}) to the Black Sea
[[a]TDA, 2007 and Oguz *et al.*, 2008; [b]BSEP, 1999 and UNDP, 2003; [c]Medinets, 2014; [d]Medinets et al., 2015]

Introduction

Pollution and litter sources within the Black Sea [BSC, 2009]

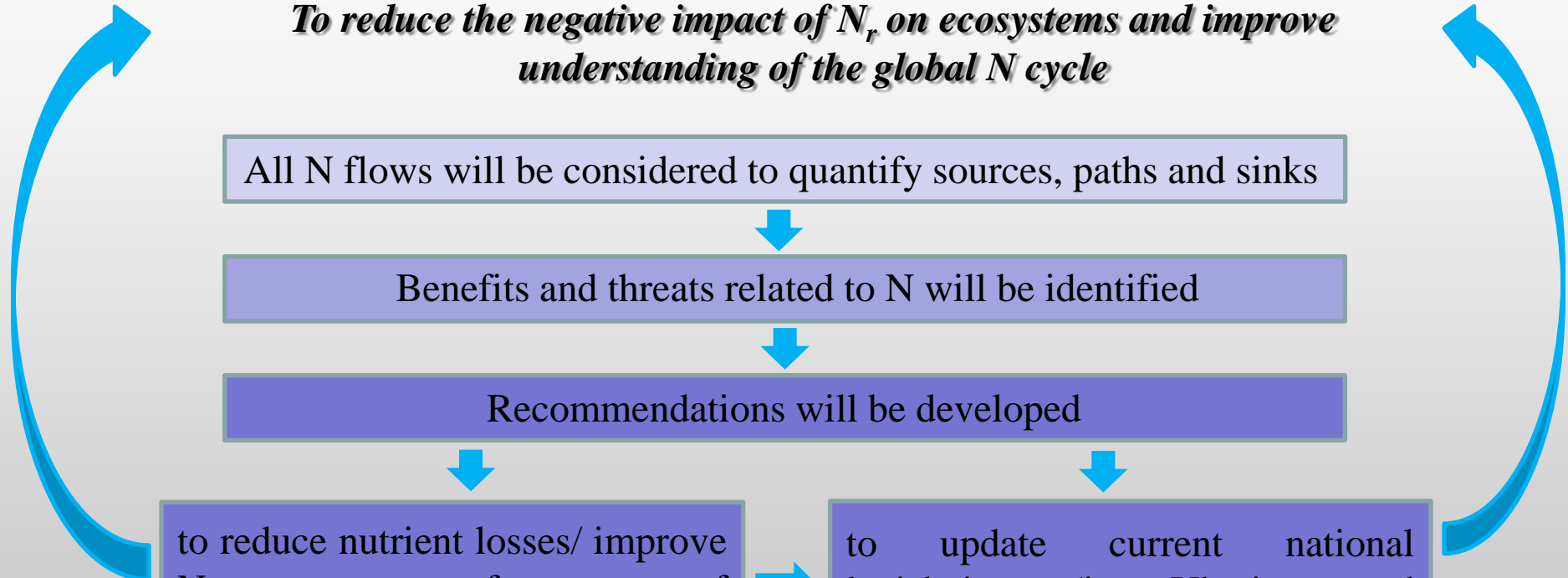*To reduce the negative impact of N_r on ecosystems and improve understanding of the global N cycle*

All N flows will be considered to quantify sources, paths and sinks

⬇

Benefits and threats related to N will be identified

⬇

Recommendations will be developed

to reduce nutrient losses/ improve N management for range of stakeholders including governmental organizations, private sector, academia, civil society organizations and UN agencies

to update current national legislation (in Ukraine and Moldova) in line with the EU Directives;
to amend transnational agreements related to nutrient management and environment protection

Involvement

Key stakeholders →

Lead partners: ONU, IAEM
Partners: NGO 'New Energy', BSC, EPN-EECCA members (VNIIOU, SRI, IEEP), MD and RO experts

Audience: civil society, farmers, industry, municipalities, regional and local administrations, water resource users and the scientific community

Related initiatives and projects →

Previous: TACIS, INTAS, EU FP6 and FP7, GEF actions, national projects and programmes

Current: national projects (Dniester, Black sea, agricuture) and GEF ("Enabling transboundary cooperation and integrated water resources management in the Dniester River Basin")

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COMMON ISSUES

'Recognized'

'Unrecognized'

Untreated/ partially treated waste waters

Run-off and leaching from agriculture

Official/ unofficial landfills
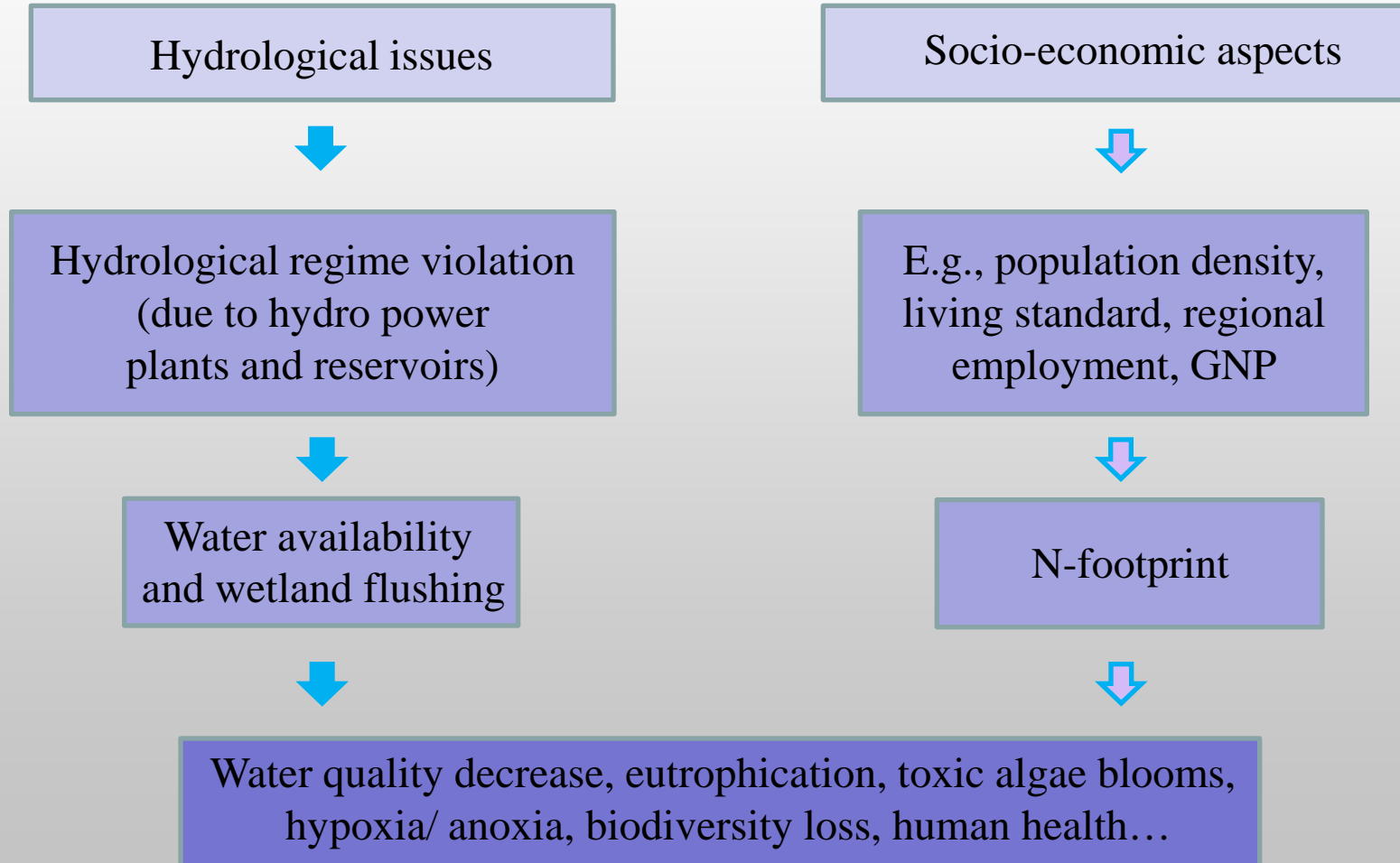
N_r emission and N re-deposition

N accumulation in bottom sediments

N re-mineralization

Water quality decrease, eutrophication, toxic algae blooms, hypoxia/ anoxia, biodiversity loss, human health…

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SPECIFIC POINTS

Hydrological issues → Hydrological regime violation (due to hydro power plants and reservoirs) → Water availability and wetland flushing

Socio-economic aspects → E.g., population density, living standard, regional employment, GNP → N-footprint

Water quality decrease, eutrophication, toxic algae blooms, hypoxia/ anoxia, biodiversity loss, human health…

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Plans for M7-M18

Tasks 3.1.1 & 3.1.2
Examination of N flows by source sector & loss pathway; inc improving access to data

Task 3.1.3
Identifying & quantifying major uncertainties and means to improve

Tasks 3.1.4 & 3.1.5
Identifying & agreeing key threat/benefit priorities with policy stakeholders, supported by CBA

Task 3.1.6
Description in relation to N performance indicators, in co-operation with global analysis

Task 3.1.7
Review of available options for mitigation/better N management, co-benefits/trade-offs

Task 3.1.8
Profiling success stories, barriers to change, and demonstration of N joined up approach

Task 3.1.9
Contribution to scenario development in cooperation with global analysis

- finish data collection
- start data processing and analysis
- 1st regional workshop
"The main N flows in the demo region: how to facilitate better data access and understanding N cycle"
- briefing document on progress with quantification of major N source sectors with estimated uncertainties

- 2nd regional workshop
"Identification of key N benefits and threats in the region"

Collaboration with Activity 4.2 (optional): calculation of N-footprint for Ukraine

Collaboration with Activity 2.4:
- to review proposals for scenario development
- discuss scenario concept
- provide feedback on "needs and expectations"

Thanks a lot for your attention!

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