THEMATIC COMMITMENTS: WATER QUALITY AND HEALTH AND CITIES

The participants were asked to express potential commitments by their respective organization to contribute to the topic of water quality and health and cities. During the workshop follow up the participants will be asked to confirm these commitments.

Partner	
JRC	Citizen Science on cities & water What can be done?
AIT	Surface Water /Groundwater modelling in cities - e.g. urban water ways -
BGR	Groundwater / related parameters Salinity, NO3, Fe/Mn, U/Ra, F, As, xxx Global, regional, local
Deltares	Relation with water quality, modelling
IIASA PBL	Economies Bioshpere — Integrated Assessment Modelling Population water, energy + land demand + supply Nutrients Quality
Umvoto	Urban groundwater (all aspects) → data + national case studies (Cape Town)
IAH	Include an “Urban Groundwater Network” (scientific group)
O&B	Cyano Alert service-related information (chl-a & cyanobacteria in lakes) (e.g. bathing site suitability & other safe water uses) * EO-based / Global / Lakes, Reservoirs / Current, Historic (e.g. 2002-2012)
IAHS	Hydrochange – patterns / surface process / needs citizen – Hybrid governance – Modelling

Uni Kassel / Sussex	Global bacterial in rivers (FC modelled) + health risks
UNU-INWEH	Wastewater quality impacts on health – case studies
Eawag	Health risks from arsenic/fluoride – contaminated groundwater; national to global-scale
UNEP	GEMS/Water

The following partners were not present at the workshop or had left the workshop before this agenda item, however the participants suggested to confirm with them the following potential contributions.

Partner	
UNESCO	Emerging contaminants
WHO/unicef	Link between 6.3.1 and 6.3.2 Open water bodies as drinking water sources?
University Dresden UNU-Flores	Antimicrobial resistance
UN-Habitat	cities

THEMATIC COMMITMENTS: WATER QUALITY AND FOOD

The participants were asked to express potential commitments by their respective organization to contribute to the topic of water quality and food. During the workshop follow up the participants will be asked to confirm these commitments.

AIT	Salinity impact on rice production in Mekong delta, modelling study
Umvoto	Groundwater monitoring in agriculture areas (southern Africa) – EC, NO3, trace metals, microbic (CFA case study)
JRC	Pesticides, veterinary medicinal products, nutrients (monitoring & modelling)
IAHS	Climate/hydrological interaction, nexus approaches (WEF), scaling, upstream/downstream, interfacing compartments, overexploitation, NBS water for agriculture – agri-impact on waters water reuse – nutrients, pesticides – veterinary pharma modelling – remote sensing- citizen sc. - Socio change
IIASA / FAO?	Global Agro Ecological zone model (GAEZ)
BGR	Groundwater/rel. parameters Salinity, NO3, As
IAH	Groundwater – Impacts of intensification of agriculture on water levels & water quality – Mitigation measures
Eawag	Cereal crop uptake of arsenic from As-contaminated groundwater (irrigation)
OUC	China scale Food production → WQ + climate/hydrology/scenarios
PBL/UU + IIASA	Global-scale food production/diets

	Climate/hydrology etc. etc. scenarios + solution options
UNU-INWEH	Salinization/salinity food production linkage Water reuse for food production systems Water quality impacts on food production
PBL/Uni Kassel + Groundwater community	Inventory of salinization and potential impacts on food production (global/regional)

In addition to these contributions it was mentioned that a thematic working group on water quality and health also needs to cover fisheries.

THEMATIC COMMITMENTS: WATER QUALITY AND ECOSYSTEMS

The participants were asked to express potential commitments by their respective organization to contribute to the topic of water quality and ecosystems. During the workshop follow up the participants will be asked to confirm these commitments.

IWQGES – FFEM

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1) External Action UNEP	cb adapt/implement Framework for Freshwater Ecosystems Management (previously International Water Quality Guidelines for Ecosystems)
Service JRC (FPI)	

- - -

2) Scenarios for impacts of nutrient loading on RB's Europe, (maybe Af, others)	OUC + JRC + Deltares ↓ China!
3) climate change scenarios Energy, land + water	IIASA
4) Alliance for fw life - biodiversity	Ken Irvine ← Ramsar, wwp, iucn, eea
5) compounds of emerging concern Danube, Senegal - snapshot	JRC + UFZ
6) stagnant water globally	CESR, UZ
7) constructed wetlands Size, efficiency LAC, global	unu-flores
8) multipressure impact models for ecosystem state – Neth, Turkey	Deltares
9) pull tog. GW analysis	Friends of Groundwater

10) Lagoons EFWD transitional waters	DNB + unu-flores
11) Basins of Concern (6.6.data) Copernicus, Earth observations	Brockman BC UNE +Ramsar
12) Globe Wetland? Loss of vegetated wetlands (and ES)	
13) fog water harvesting	unu-inweh
14) HR watsan → WQ	WaterLex