

World Water Quality Alliance meeting
Ispra 16-18th September 2019

**Groundwater Quality
as part of
World Water Quality Alliance and Assessment
- Proposal for Work Plan -**

Bruce Misstear, Claudia Ruz Vargas, Joel Podgorski,
Kornelius Riemann, Ralf Klingbeil

GO@WWQA



**International Association
of Hydrogeologists**
the World-wide Groundwater Organisation



**Bundesanstalt für
Geowissenschaften
und Rohstoffe**



International Groundwater Resources Assessment Centre



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

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aquatic research **ooo**

Proposal for Work Plan

GQ@WWQA

- Building on experiences and outcomes of existing GQ initiatives,
- Developing short white paper (5-10 pages max) outlining main issues and potential work programme (until end 2020), inc.:
 - overview of groundwater quality monitoring programmes at national level in selected countries,
 - institutions, purpose & content, parameters, methodology, availability and accessibility, state and trends,
- Cooperating with WB on socio-economic issues re GQ,
- Contributing from GQ@WWQA to 2022 WWDR “Groundwater: Making the Invisible Visible”,

Proposal for Work Plan (cont.)

GQ@WWQA

- Incorporating outcomes from “use cases” into regional assessments, upscaling,
- Moving towards proposal for:
 - Global data base hosting/linking existing GQ data and information at national levels (data, links, docs),
 - One-stop-entry-platform to access existing online portals, interactive, continuously updated map of main pressures and issues around the world,
 - Providing incentives for academia, industry, Govt agencies, NGOs etc. to contribute to portal content,
 - Guidance on measures to mitigate and prevent groundwater pollution,
 - Modelling global GQ through upscaling tools, such as machine learning,
 - Engaging with national level (Govt agencies, NGOs, private sector), discuss assistance packages, develop capacity, share national data, provide other support as needed,
 - Engaging with national and local level actors for awareness raising on GQ (e.g. field test kits),
 - Encouraging development of innovative technologies for high tech / low cost sensors, ...