

# GEOHEALTH LIFE+ Project Newsletter 🔔



July 2013

#### **Foreword**

After the first newsletter published in 2012, this is the second issue that brings you latest news, information and highlights about the project GEOHEALTH. You are cordially invited to visit our website for more information.

## **Project progress**

The main action running within the project this year goes with the successfull compilation and optimalization of datasets of environmental and health indicators - Action A3 Elaboration of Environmental and Health indicators.

Compiled datasets of environmental and health indicators, were divided according to geological structure and contaminated areas in the Slovak Republic. The results of this action provide important data source for the follow-up research on relations between geological environment and health state of the inhabitants of the Slovak Republic.

Works focused on statistical analysis of these relations are to be realized as next Action A4 Linking of Environmental and Health indicators.

## **Highlights**



**Dissemination activities Publication in "Open** Journal of Geology" 2013, 3, 101-112

Read more >>

#### Next issue ...

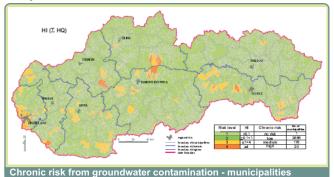
**SEGH 2013**, 8 - 12<sup>th</sup>, July, **France** 

- presentation of project partial results

International conference SEGH 2015 is going to be held

### Partial results of the project

Health risk estimate for contaminated groundwater and soils in the Slovak Republic in numeric and map forms Read more >>



Division of geological structure of the Slovak Republic in main geological units Read more >>



Selected contaminated and non contaminated regions of the Slovak Republic

Read more >>

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еветент сопронент рагателет	zymbol	umit	mean SR	еветент сотронент разателет	zymbol	andr	mean SZ
Water reaction	pH		7.33	Abminium	Al	- 5	5.90
Total Dissolved Solids	T.D.S.	mg2"	629.75	Arrenic	As	mg kg 4	12.45
Chemical oxygen demand	CODMa	mg1"	2.18	Barium	Ba	ntyt,	392.78
Water hardness	Ca+Mg	15900	3.50	Beryllium	Be	ngkg*	1.39
Sodium	Na	mg1"	20.34	Calcium	Ca	- 5	1.46
Potessium	K	mg1"	11.10	Codminm	Cd	mg kg 4	0.60
Calcium	Ca	mg I <sup>4</sup>	93.56	Cobalt	Co	mg kg*	11.77
Magnetium	Mg	mg1"	28.29	Chromium	Cr	mgkg*	87.55
lren	Fe	mg2"	0.174	Copper	Cu	mgkg*	26.15
Manganese	Mn	mg1"	0.117	Fluorine	F	ntit,	330.98
Azazoneiran	NH	mg1"	0.099	Iron	Fe	- 5	2.71
Fluorides	F	mg2"	0.132	Mercury	Hg	mglg"	0.24
Chlorides	CI	mg2"	32.96	Potassium	K	- 5	1.70
Solphates	SO <sub>4</sub>	mg1"	79.32	Magnesium	Mg	- 5	2.45
Nitrites	NO:	mg1"	0.112	Manganese	Mn	- 5	0.97
Nitrates	NO <sub>2</sub>	mg2"	38.76	Mohbdenun	Mo	mg kg 4	0.08
Phosphates	PO.	mg1"	0.222	Sodium	Na	- 5	0.68
Bicarbonates	HCO <sub>1</sub>	mg1"	303.85	Nickel	Ni	ngkg*	0.85
Silica	SiO	mg2"	18.21	Phosphorus	P	- 5	29.29
Chromium	Cr	mg2 <sup>rt</sup>	0.00133	Lead	Pb	mg kg 4	0.07
Copper	Cu	mg2"	0.00259	Antimony	Sb	mg kg*	29.62
Zinc	Zn	mg2"	0.26728	Selenium	Se	mglg"	6.26
Arsenic	As	mg2"	0.00192	Vanadiom	V	mg kg 4	0.16
Cadmium	Cd	mg2"	0.00102	Zinc	Zn	mgkg*	101.38
Selenium	Se	mg2"	0.00097	Active soil reaction	рНизо		79.07
Lead	Pb	mg1"	0.00136	Exchange soil reaction	pHgg		0.92
Mercury	Hg	mg2"	0.00014	Carbonates		- 5	75.79
Barium	Ba	mg1"	0.07473	Radon	III Ru	Mum"	21.70
Aluminium	Al	mg2"	0.02974				
Antimony	Sb	mg!"	0.00094	1			
Radon	III Ra	Bg2"	14.46	1			

Optimalized datasets of environmental and health indicators

Read more >>

Reporting and dissemination activities Read more >>

