

Review of Slovak ICT Research Activities on SISE and SEIS

Vladimir Benko, SAŽP
vladimir.benko@sazp.sk

- 
- A. Environmental Informatics
 - B. ICT research

A. Environmental Informatics

- Towards SEIS and SISE

- Climate changes
- Nature and biodiversity
- Env. and Health
- Natural resources and wastes

The 6th EAP

Go4

DG ENV

EEA

JRC EC

Eurostat

Politics

Air
Climate Change
Water
Biodiversity
Landuse

Data

Soil
Chemicals
Forests
Noise
INSPIRE

ters

Wastes
Material
resources

SEIS IP
2007-8 +

EEA Strategy
2009 - 13

EU →

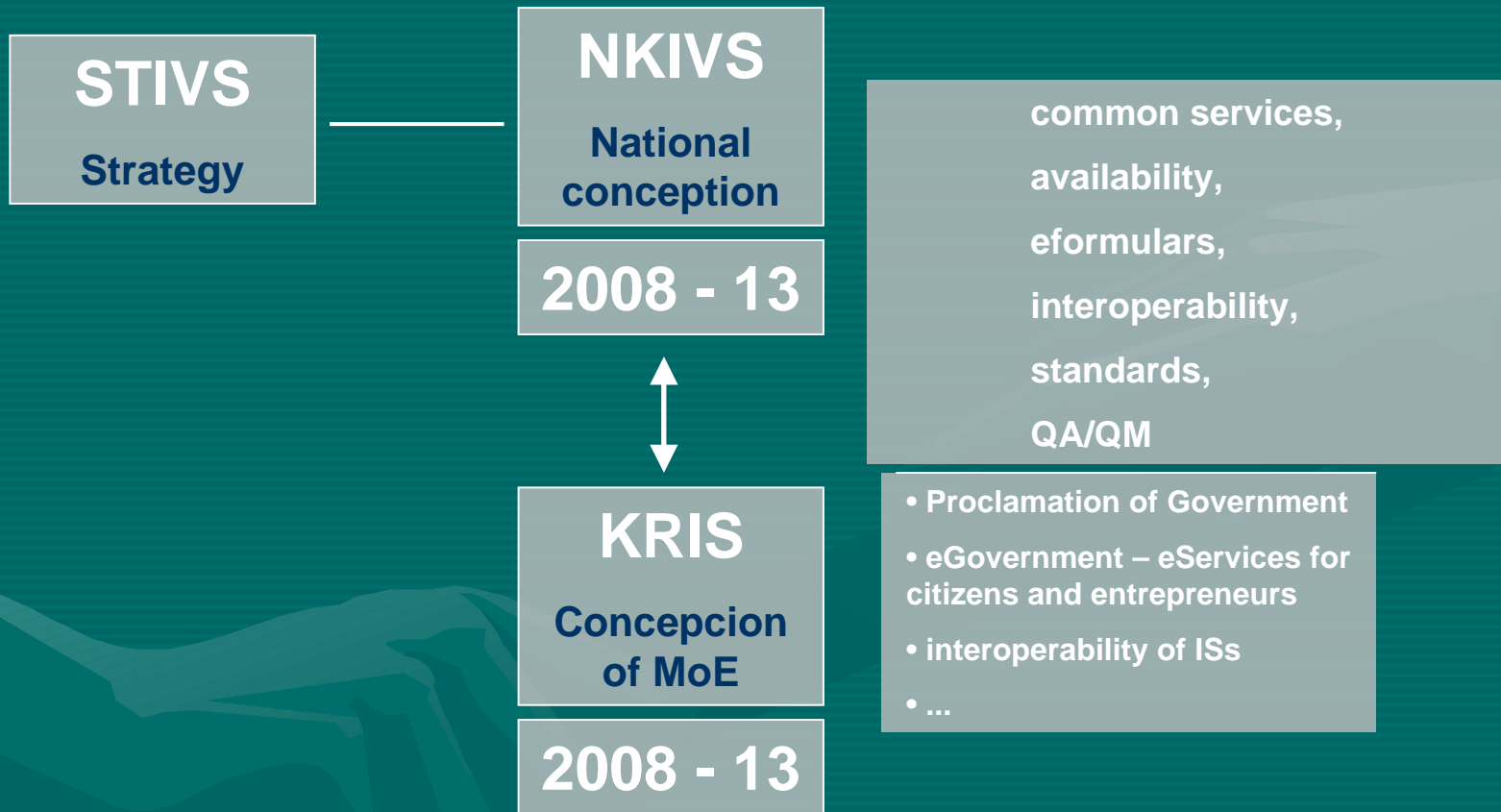
SEIS

GMES

INSPIRE

The National Level - Slovakia

Informatization of Public Administration (PA)



Targets of NKIVS (NCI of PA) – coordinator: MoF

To set:

- Rules to support interoperability and save sources
- National Architecture for sharing (moduls)
- Priorities

To establish:

- New eServices
- Coordination mechanisms

To cancel:

- Repeated Government offices requests for data/info

The task for ministers:

- To create KRIS (DC of ISs) and send for approval to MoF

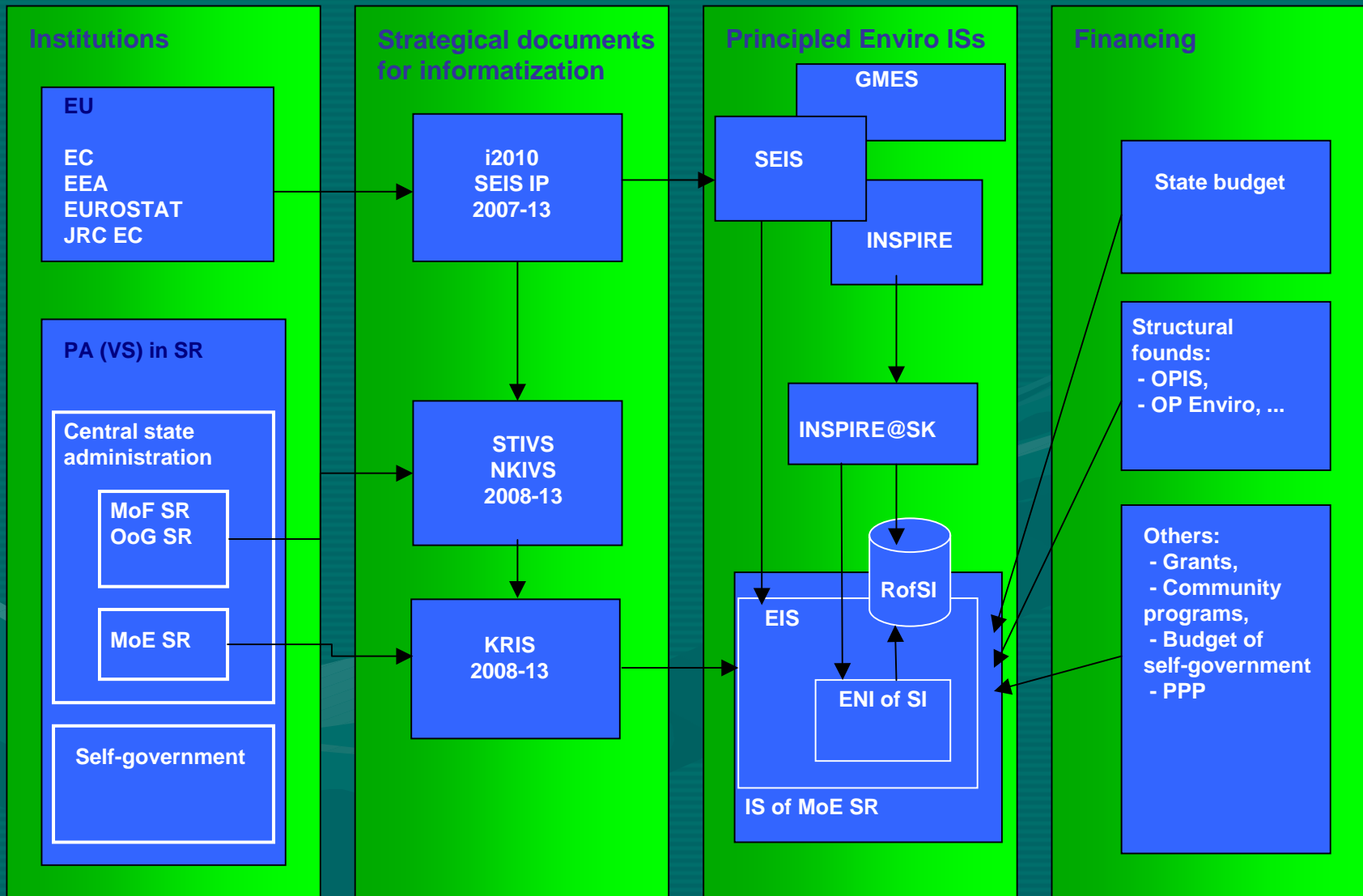
Specifics of KRIS (DC of ISs) of MoE SR - coordinator: MoE

1. ISs as other ministries
2. INSPIRE implementation
3. SEIS \leftrightarrow EIS – building relations, dataflows

Principle:

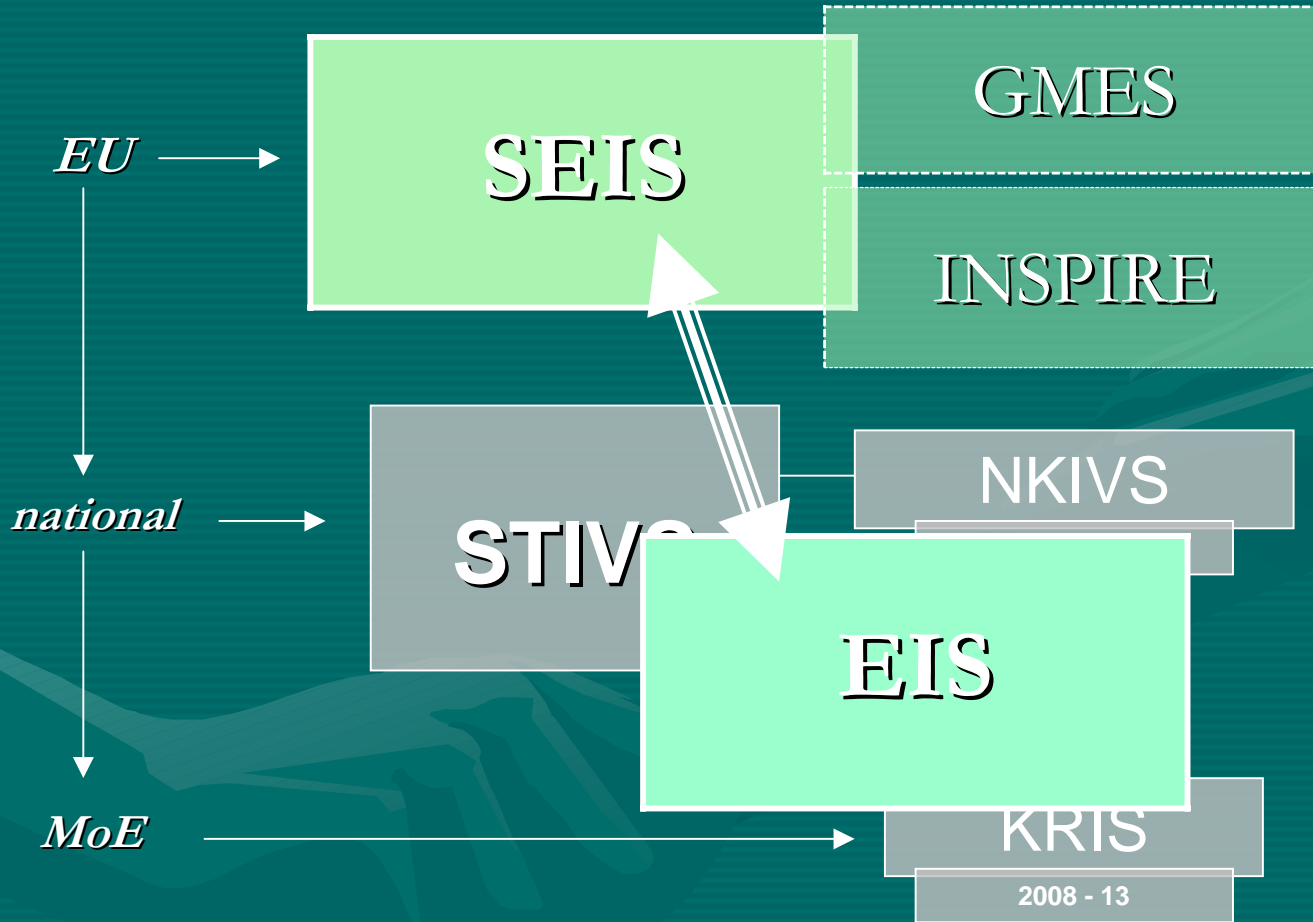
Monitoring – **D**ata – **I**nformation – **A**ssessment
– **R**eporting – **P**ublication – **S**ervices

Starting point and relations

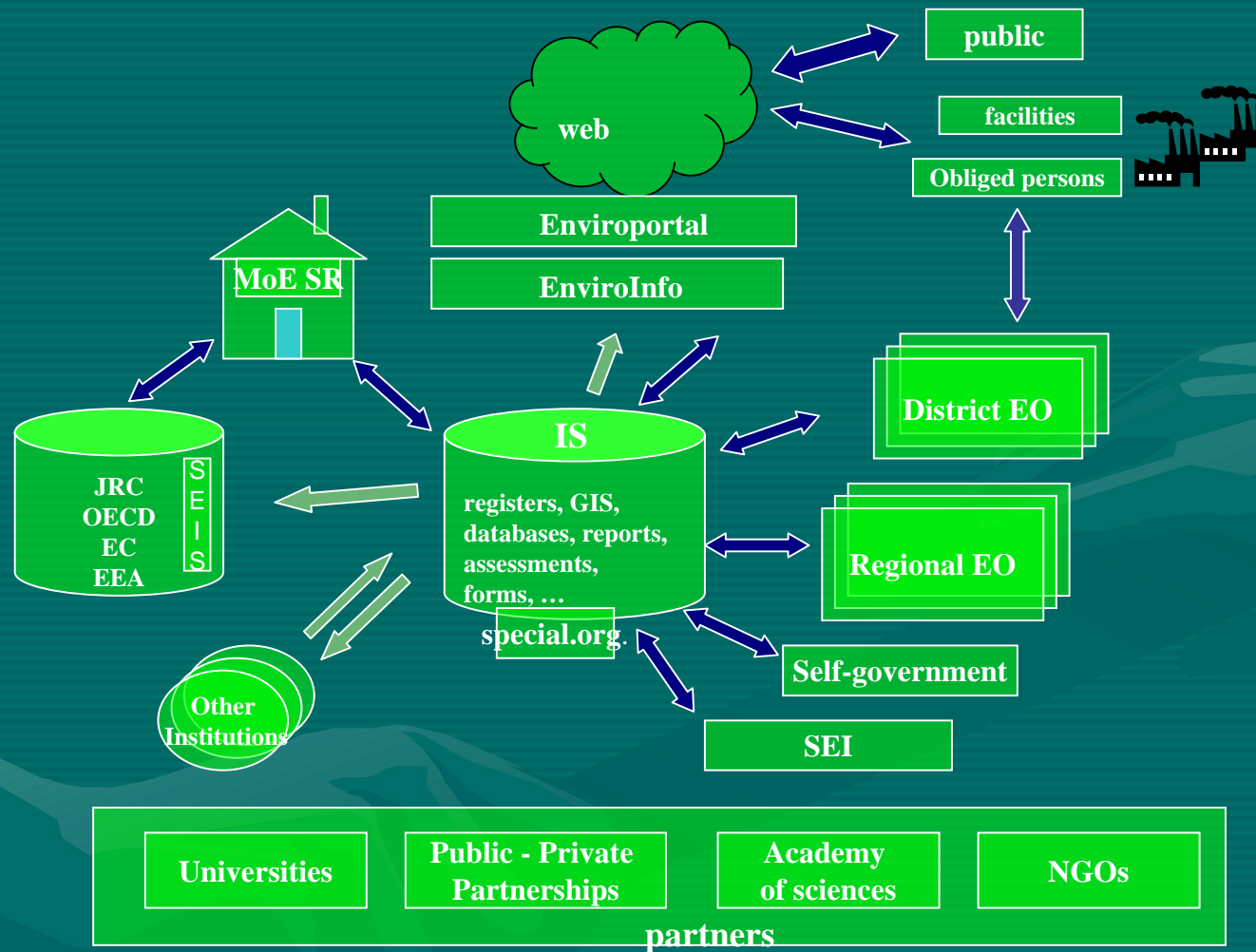


SEIS IP
2007-8 +

EEA Strategy
2009 - 13



Principled scheme of env. ISs



MDPT
MZ
MP
MH
MK
MŠ
MF
ÚGKK
ŠÚ
MO
MV
MZV
MVRR
MPSVR

E
I
S

ENVIRONMENTAL PORTAL

central access point

ENVIROINFO

metadata

sectional ISs

ISs for support of groups of laws

ISs of organisations

Registers, standards & classifiers

Infrastructure

Ministry of

E
n
v
i
r
o
n
m
e
n
t

Towards e-Environment, Prague

25.-27.11.2009



**B. ICT Research related to Environment in Slovakia
- Towards SEIS and SISE**

Research in Slovakia – coordinator: MoEdu

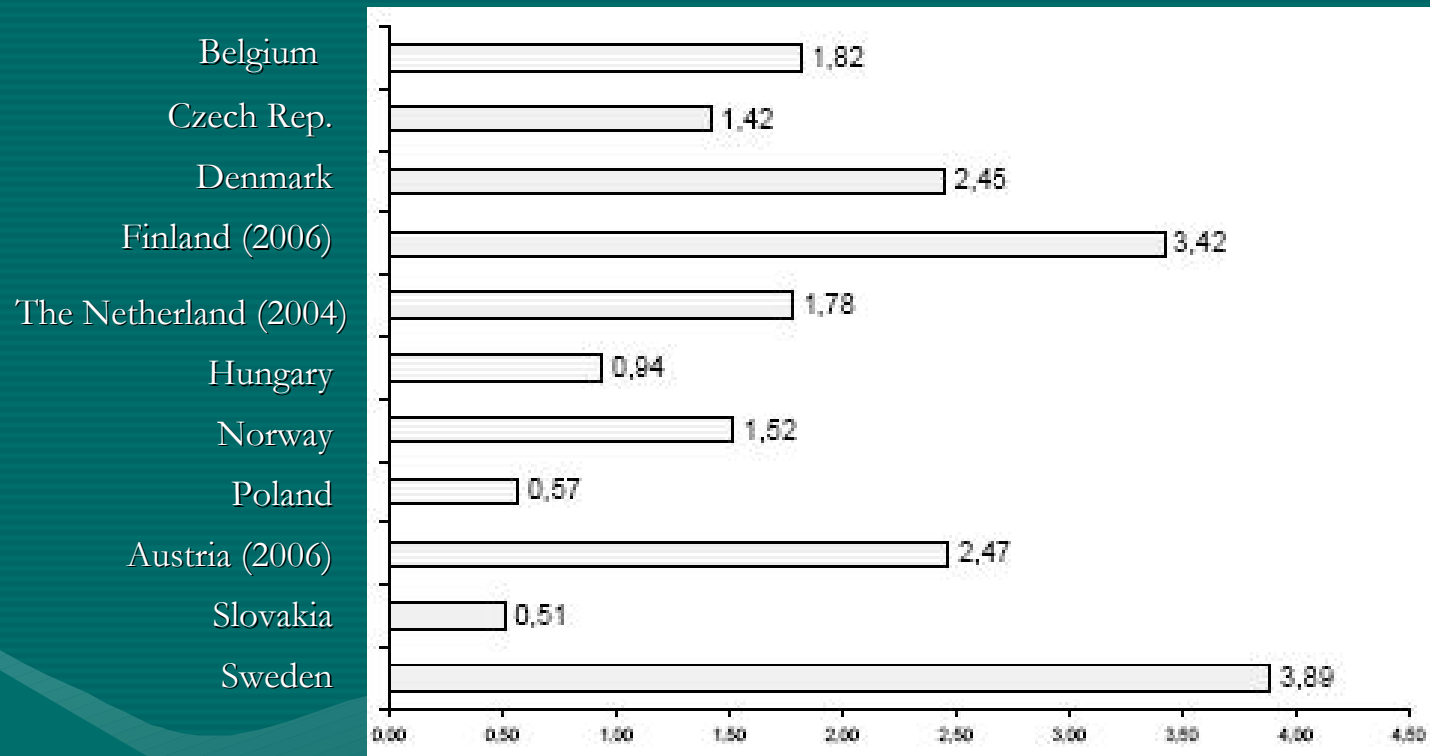
Documents:

- Longterm intention of **state science and technical policy** till 2015 (incl. Research) – adopted in 2007 (Gov decision 766/2007)
- Strategy of filling of Intention 2008-10 – adopted by Gov decision 79/2008
- Innovation Policy 2008-10
- Program of Reforms 2008-10

Research in Slovakia – coordinator: MoEdu

Institutions:

- Slovak Academy of Sciences and Universities - Basic and Applied Research
- Some other institutions - Applied research also



Graph: Expenditures spent in Science and Technics in 2005 (% of GDP)

Source: OECD (2007)

Research in Slovakia – coordinator: MoEdu

Financing:

- State budget
- OP Science and Research
- EU Programmes
- Private sources

With target to increase fin.sources offered for research activities to reach 1.5% of GDP in 2015 (2/3 of private sources).

Research in Slovakia – priorities:

- To establish **Centers of Excellence** (monothematic) - ongoing process with cca 65 M€ (up to 1.3 M€/project), in 2008-13 with total 3 billions €
- To improve **infrastructure of Universities** – up to 5 M€/project
- To improve participation in international projects
- To speed-up innovations – mainly practical applications, which use today's and new ICT solutions

In Environment sector:

- To implement models, simulations (what-if), scenarios with user friendly access (**Enviroportal**)

Useful links (mostly in sk language):

Portal for Research, Development, Innovation:

<https://www.vedatechnika.sk/SK/Stranky/default2.aspx>

Portal EurActiv:

<http://www.euractiv.sk/veda-a-vyskum>

Ministry of Education – part Science and Research:

<http://www.minedu.sk/index.php?lang=sk&rootId=17&col=true>

Slovak Academy of Sciences

<http://www.sav.sk/>

Agency for support of Science and Research (APVV)

<http://www.apvv.sk>

Thank you for attention!

vladimir.benko@sazp.sk