

2nd PROGRESS PRESENTATION

Uldis Bethers,
UL FPM, LMMETP



LATVIJAS
UNIVERSITĀTE
ANNO 1919



INVESTING IN YOUR FUTURE

Project – formal framework

Time frame: 1-Dec-2009 / 30-Nov-2012

Budget: around EUR 2 000 000

Staff: around 30



UL FGES
37 %



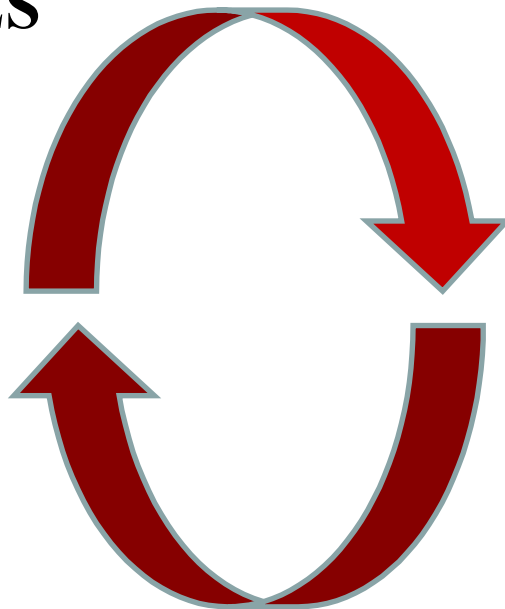
UL FCh
10 %



LUA FRI
15 %



UL FPM
38 %



Project - contents

Model of Baltic artesian basin (PUMa / MOSYS)

Hydrological study of Latvian part of BAB (PUMa / BABLA)

Reconstruction of postglacial hydrogeology (PUMa / PALEO)

Impact of climate change to groundwater regime (PUMa / GRU)



Model (PUMa / MOSYS)

BABLA

PALEO

GRU

Reminder – 1st stage (2010)

MOSYS V0 – Sep/10 – Development

MOSYS V1 – Oct/11 – Research

MOSYS V2 – ultimo /12 – Results

NUMERICAL CLIMATE PROJECTIONS

- Methodics for ensemble projections
- WEB site for analysis of future Latvian climate



Model (PUMa / MOSYS)

BABLA

PALEO

GRU

Today – 2nd stage (2011)

Presentation of MOSYS V1 – Research platform

Flow structure in BAB – findings by V0

Effects of glaciation on groundwater flow

Impact of climate change on groundwater regime

International session



Agenda

12:00 Presentation of MOSYS V1. Juris Senņikovs.

13:00 Coffee

13:30 Progress session

- **Investigations by V0. Dr. Jānis Virbulis**
- **Glaciation vs groundwater. Dr. Tomas Saks**
- **Impact of climate change on GW. MSc. Didzis**

Lauva

- **Discussion**

15:00 Coffee

15:30 International session

18:00 EoD



**Findings of project will be presented in session of EGU
General Assembly, Vienna, Apr 22-27**

www.egu.eu

HS8.2.5

**“Sedimentary basins as active fluid
circulation systems” Convener: D. Hindle**

**All colleagues are welcome to submit abstracts to the
session and make it a representative forum for
discussing regional groundwater issues !**

