

ENERGY EFFICIENCY IN BUILDINGS



Study tour 6.9.-10.9.2010

**Shrnutí výsledků /
Results inventory**

OBSAH / CONTENT

- ✓ Rekapitulace projektu / Project recapitulation
- ✓ Ministerstvo průmyslu a obchodu / Ministry of Industry and Trade
- ✓ Ministerstvo životního prostředí / Ministry of Environment
- ✓ Státní fond životního prostředí / State Environmental Fund
- ✓ Town of Brno – Nový Lískovec
- ✓ Town of Litoměřice
- ✓ Next steps

Rekapitulace projektu project summary

- ✓ Fact finding mission – Skopje, June 2010
- ✓ Study „The Czech Experience in Implementing the EPBD“
- ✓ Workshop – Skopje, September 2010
- ✓ Study tour – Czech Republic, September 2010

Study tour Czech Republic 6.9.-10.9.2010

Den první / First Day

- ✓ Excursion: Solar thermal and solar cooling system on the top of the hotel Duo



Den nultý / Day before

- ✓ Welcome dinner in Formanka restaurant



Den první / First Day

- ✓ The process of implementation of EPBD
- ✓ Ministry of Industry and Trade - energy legislative

- Act on Energy Management

- Act on the use of electricity from renewable sources



Den druhý / Second Day

- ✓ Ministry of Environment
 - legislation of the energy savings
 - statistic and legislation of renewables



Den druhý / Second Day

- ✓ Quick lunch in macedonian restaurant



Den druhý / Second Day

- ✓ State Environmental Fund
 - Green Investment Scheme: Green for Savings
 - Operational Program the Environment: energy savings and renewables



Den třetí / Third Day

- ✓ Brno – Nový Lískovec
 - refurbishment of apartment houses in municipality possession
 - presentation of new projects
- ✓ Presentation of the Regional Energy Agency of Zlínský Region



Den čtvrtý / Fourth Day

- ✓ Město Litoměřice / The royal town of Litoměřice
 - podpora solárních instalací / solar thermal installation support
 - kampaň DISPLAY / Display campaigning
 - geotermální elektrárna / geothermal power plant



Nezodpovězené dotazy / Unanswered questions

Orientační tržní cena energetických služeb / market price of energy services (bez DPH/excl.VAT 20%)

✓ energetický audit / energy audit

- bytový dům / apartment house

25 000 – 35 000 CZK

- škola / school build. 50 000 – 100 000 CZK

✓ PENB / energy performance certificate

- rodinný dům / single family house:

5 – 15 000 CZK

- bytový dům / apartment house:

10 - 30 000 CZK

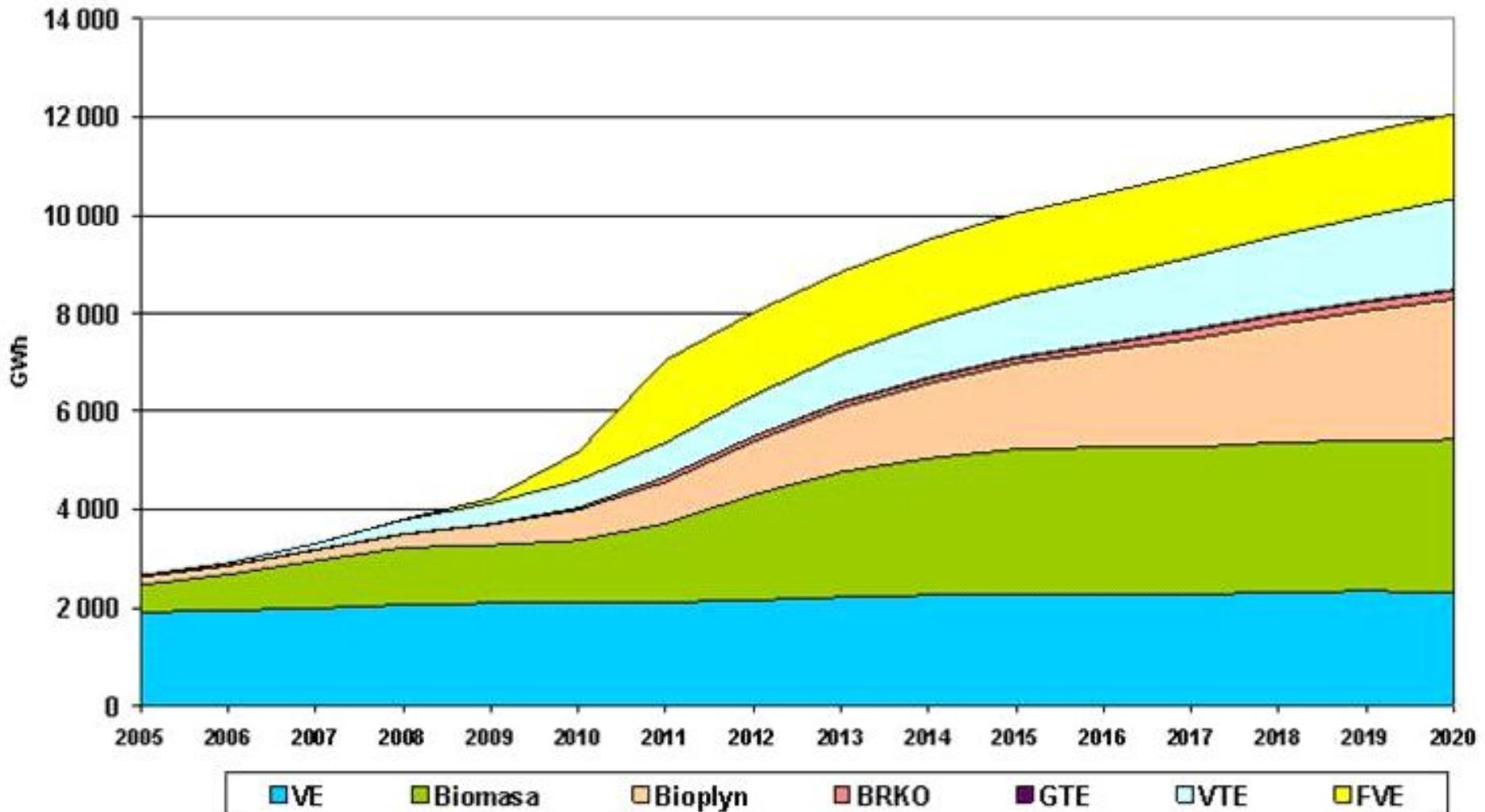
**1 € = 25
CZK (Kč)**

Definice nulového domu / Definition of the „zero house“

- ✓ Definice nulového domu / Definition of the „zero house“
- ✓ Připojení FVE / grid connection for FV power plants
- ✓ RES statistic – biomass potential
- ✓ Another question?

Potenciál OZE – Národní akční plán / RES-E Potential - NAP

Elektrina z OZE v NAP



Good practice: Ventilation in school

before...

Foto před realizací



...and after

Foto ze třídy po realizaci



Očekávaný vývoj v implementaci EPBD v ČR

/

Expected activities in EPBD implementation progress

Technické normy / Technical standardisation

- ✓ No progress expected before 2012

Vyhláška o energetické náročnosti budov

Regulation on energy performance of buildings

- ✓ Legitimacy (issued in the Code) – ASAP (2010)
- ✓ Into force: January 2012
- ✓ Preparation in delay – reference building definition
- ✓ Total supplied energy in kWh/m²a
- ✓ Primary energy in kWh/m²a
- ✓ CO₂ emission in kg/m²a

UNDP Project – next steps

UNDP Project – next steps

- ✓ Final (study tour) report before 20th September
- ✓ Sharing presentations – through UNDP Macedonia
- ✓ Answering additional question - through UNDP Macedonia or directly via e-mail
 - general: klusak@porsenna.cz,
 - political: safarik@porsenna.cz,
 - technical: vanicky@porsenna.cz

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**Zapomněli jsme na něco?
Anything forgotten ?**

**Thank you for your stay in the Czech
Republic and for being the perfect
audience**

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