Forecasting Skill Needs: Will Better Times Ever Come Back?

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The presentation

INTRO

NEEDS

PLAYERS

SYSTEM

RESULTS

Key drivers, factors and environment

What do we want from forecasting?

Who forecasts for who?

How is it all interconnected?

What have we achieved so far?

Small country … global economy.

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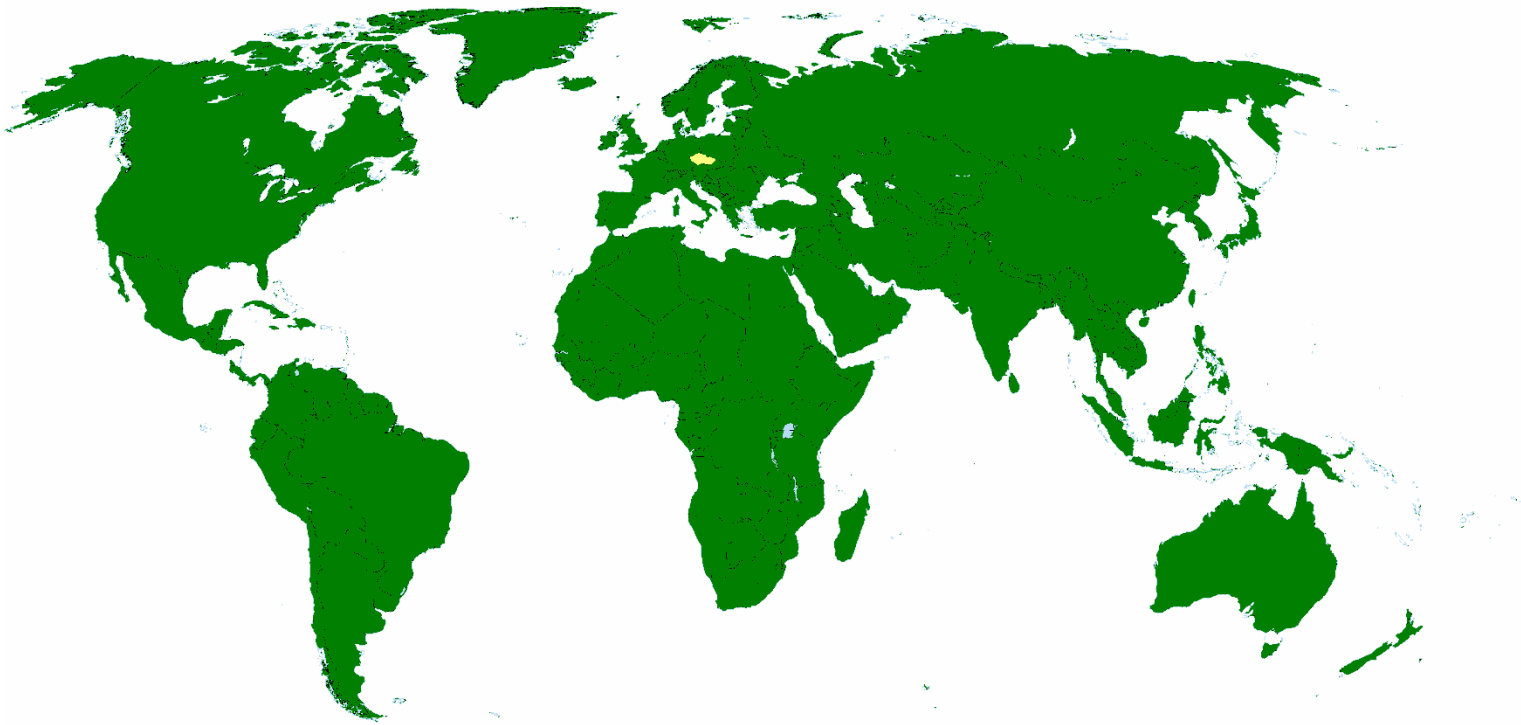

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Small country … global economy.

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CZECH REPUBLIC:

- Fourth most opened EU economy
- Half of industrial production is exported
- Highly dependent on foreign demand
- Highly influenced by global economy changes
- Arising demographic threats
- Problems in quality of education (TIMMS, PISA)
- High share of employment in sectors, which are sensitive to cost of labour …
- … and in which outsourcing is frequently used.

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Future Threats …

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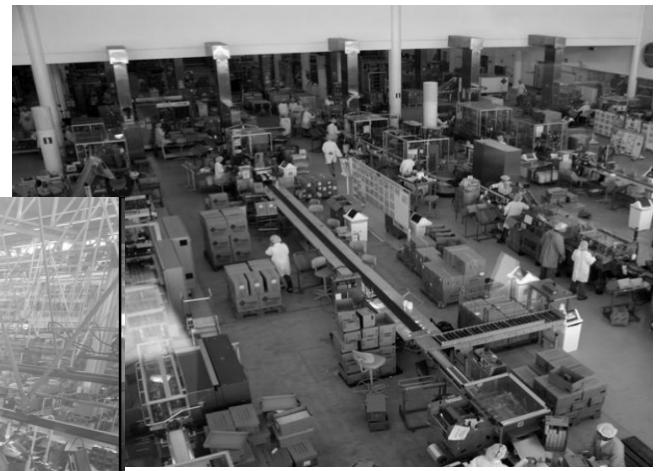

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Future Threats …

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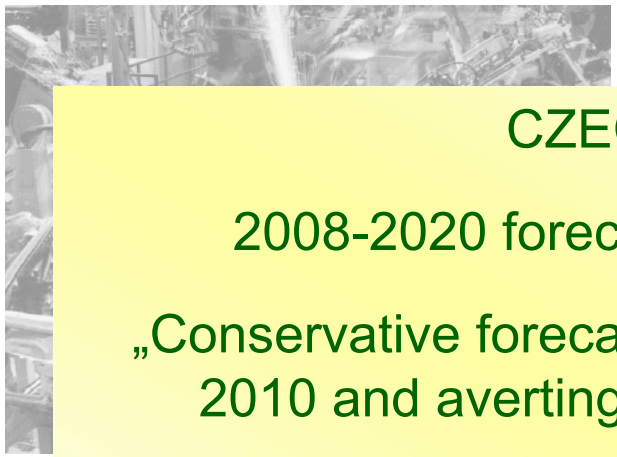
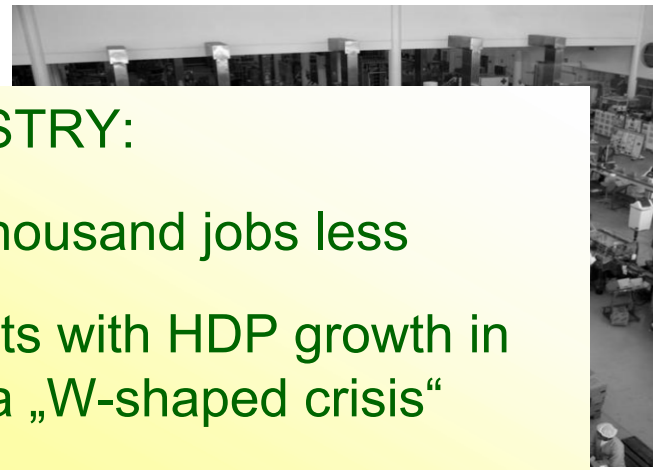




CZECH INDUSTRY:

2008-2020 forecast: 150 thousand jobs less

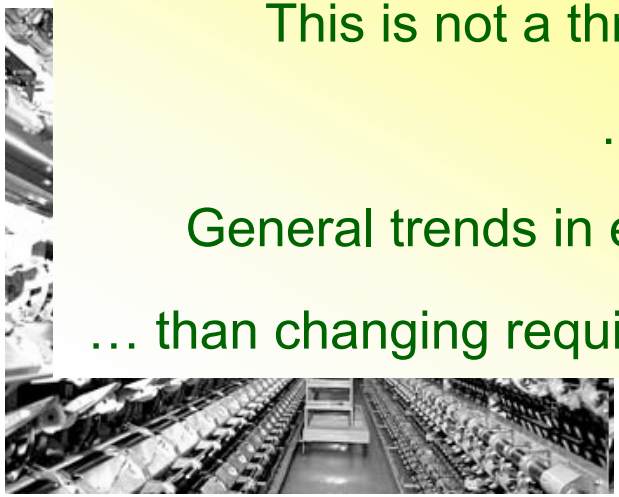
„Conservative forecast“ – counts with HDP growth in 2010 and averting a risk of a „W-shaped crisis“

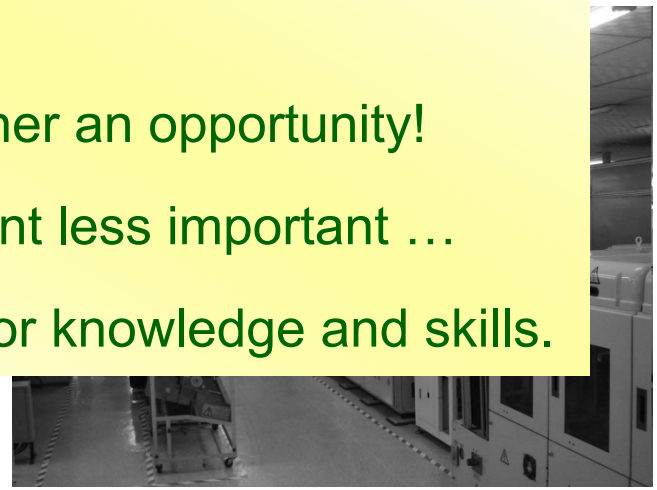
This is not a threat …

…. But rather an opportunity!

General trends in employment less important …

… than changing requirements for knowledge and skills.





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Future Opportunities …

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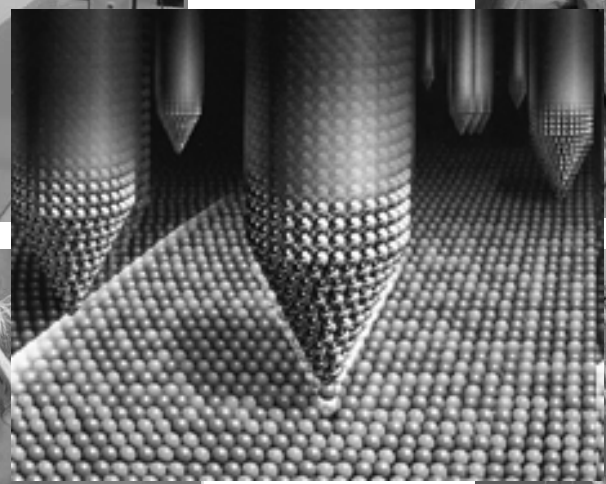

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Future Opportunities …

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TRENDS IN LABOUR MARKET DEMAND THAT EMERGE:

Technology development

Preferences of young people – graduates forecast

Longterm competitiveness of branches in Czech economy

Changes in demand for products and services

Modus operandi of companies (outsourcing and others)

Environment („Green Jobs“)

Global changes (oil and others)

Current / Future Needs

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CURRENT / SHORT TERM ANALYSES/FORECASTS

Active labour market policy

Current / Future Needs

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CURRENT / SHORT TERM ANALYSES/FORECASTS

Active labour market policy

MEDIUM / LONG TERM FORECASTS

Labour market strategy
Education system strategy
Future graduates competences and skills

Types of players

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POLICY MAKERS

PUBLIC INFORMATION USERS

PRIVATE INFORMATION USERS

Types of players

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POLICY MAKERS

MINISTRY OF EDUCATION, YOUTH AND SPORTS

MINISTRY OF LABOUR AND SOCIAL AFFAIRS

PUBLIC INFORMATION USERS

PRIVATE INFORMATION USERS

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Types of players

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POLICY MAKERS

MINISTRY OF EDUCATION, YOUTH AND SPORTS

MINISTRY OF LABOUR AND SOCIAL AFFAIRS

PUBLIC INFORMATION USERS

- Public employment services
- Schools and CVET institutions
- Counselling and guidance centres
- Regional authorities

PRIVATE INFORMATION USERS

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Types of players

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- Regional authorities

PRIVATE INFORMATION USERS

- Private schools
- Employers
- General public

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Current / Short Term

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NATIONAL OCCUPATION FRAMEWORK

NSP
NÁRODNÍ SOUSTAVA POVOLÁNÍ

REXIMA

SP

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Current / Short Term

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REXIMA

SP

INFORMATION ON GRADUATES

Analysis of graduates´ LM success

Surveys on graduates skills

Information for graduates

ISA

NÚV

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Current / Short Term

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NATIONAL OCCUPATION FRAMEWORK

ROA-CERGE MODEL
Ad-hoc labour market analyses

INFORMATION ON GRADUATES
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Current / Short Term

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REGIONAL LABOUR MARKET ANALYSES

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Medium / Long Term

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Medium / Long Term

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ROA-CERGE MODEL

Five-year projections of employment for 32 aggregated occupational clusters and 27 educational clusters

SECTOR STUDIES

- **In-depth interviews**
- **Global environment analyses**
- **Processes & technology trends analyses**

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Players initiate research ..

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MINISTRY OF EDUCATION, YOUTH AND SPORTS

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Players initiate research ..

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REGIONAL AUTHORITIES

Forecasting priorities,
Labour market and education strategies,
LLL, Active employment policy
Regional competitiveness …

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Players initiate research ..

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Regional competitiveness …

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REGIONAL OBSERVATORIES

ISA

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Researches provide results …

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MINISTRY OF EDUCATION, YOUTH AND SPORTS

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MINISTRY OF LABOUR AND SOCIAL AFFAIRS

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REGIONAL AUTHORITIES

REGIONAL OBSERVATORIES

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Researches provide results …

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MINISTRY OF EDUCATION, YOUTH AND SPORTS

National Occupation & Qualification Framework

NSP NÁRODNÍ SOUSTAVA POVOLÁNÍ

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MINISTRY OF LABOUR AND SOCIAL AFFAIRS

REGIONAL AUTHORITIES

Future Skills, Balance on the Labour Market, Threats & Opportunities, Recommendations

REGIONAL OBSERVATORIES

ISA

Graduates' Supply & Demand

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ROA-CERGE Model

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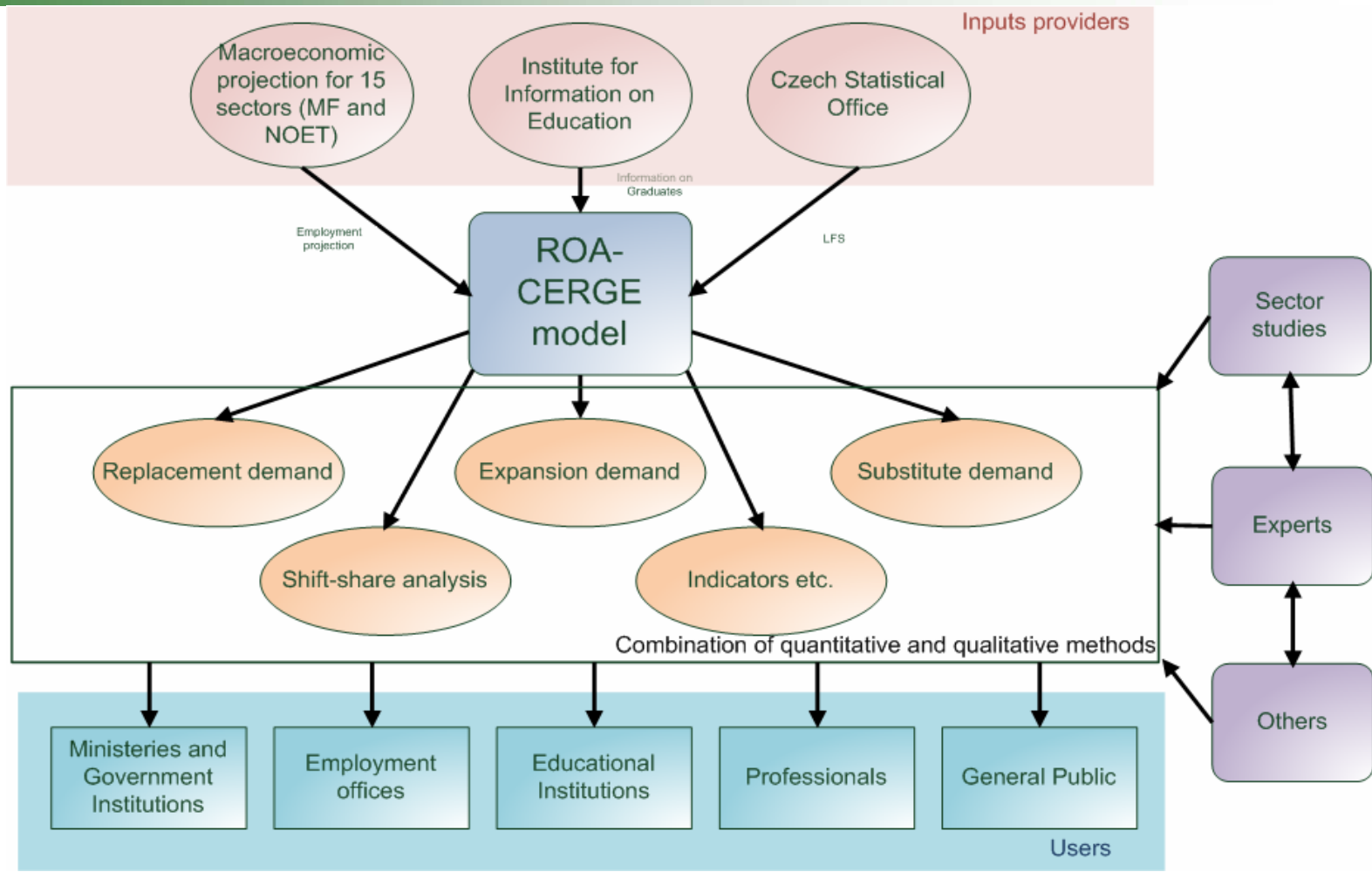

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Sector Studies

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Sector Studies

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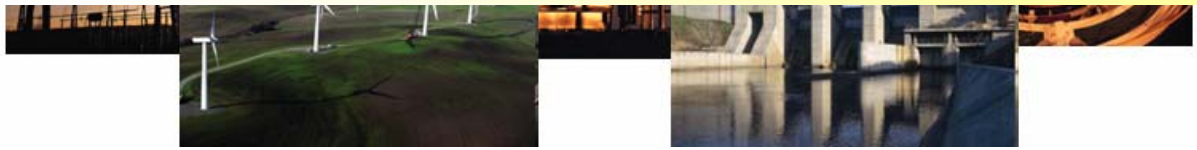
POWER SUPPLY INDUSTRY



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Sector Studies

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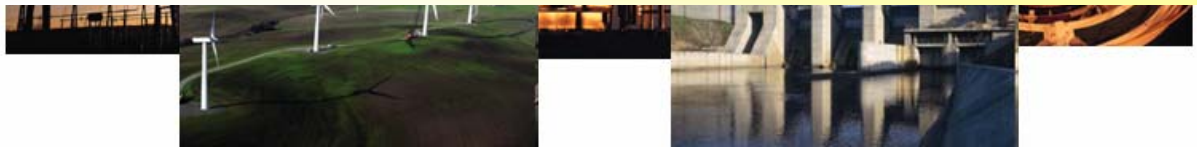

ELECTRONICS/ELECTROENGINEERING

Sector Studies

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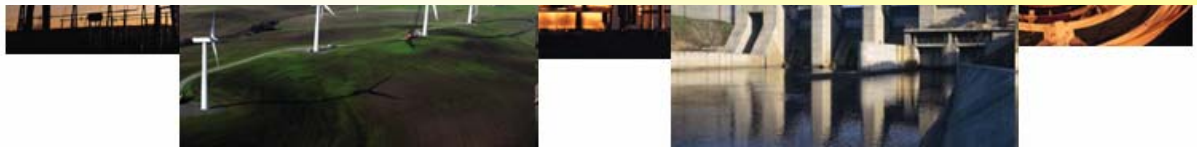
POWER SUPPLY INDUSTRY



ELECTRONICS/ELECTROENGINEERING

ICT SERVICES

Forecasting utilization so far

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Forecasting utilization so far

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Ad hoc analyses for Ministry of Employment related to labour market issues

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Forecasting utilization so far

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Ad hoc analyses for Ministry of Employment related to labour market issues

Chapter „Human Resources and Education“ in New Energy Strategy of the Czech Republic

Forecasting utilization so far

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Ad hoc analyses for Ministry of Employment related to labour market issues

Chapter „Human Resources and Education“ in New Energy Strategy of the Czech Republic

Number of presentations, workshops and shorter analyses for regional partners

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Forecasting utilization so far

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Ad hoc analyses for Ministry of Employment related to labour market issues

Chapter „Human Resources and Education“ in New Energy Strategy of the Czech Republic

Number of presentations, workshops and shorter analyses for regional partners

77 employment offices (staff responsible for reskilling and guidance) and around 30 labour market experts participated in testing of Czech Future Skills!

Czech Future Skills! Website

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Site map | Keyword... | search

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- Sector studies
- Industries development
- Job futures
- About us
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- News

ABOUT FORECASTING

Why are we not content with analysing the past and knowing the present problems of our economy? Why is it helpful for the labour market to look ahead? Could the implications of the economic downturn and its impact on employment be predicted? What forecasting instruments should be chosen and what instruments are used in the most developed economies of the world?

more information

LABOUR MARKET TRENDS

The demand for labour force on the part of enterprises and the creation and elimination of jobs are influenced by various trends. These trends often originate in the workings of the global economy and have an indirect impact on the labour market. What is it that affects the labour market at present?

more information

INDUSTRIES DEVELOPMENT

This section focuses on various industries of the Czech economy, their past and expected future development. You will find information about the demand for occupations in the given industry, the expected development of employment and the age and occupational structure.

more information

SECTOR STUDIES

Sector studies facilitate an in-depth exploration of selected parts of the Czech economy and seek to identify links between changes in the global economy and the demand for workers in important sectors. What will be the implications of foreign investors ' moving further East? When and in what industries is this going to happen? Which occupations will be of key importance in terms of competitiveness?

more information

NEWS

Czech industrial output down by 8.4%
Prague - Industrial production in the Czech Republic decreased by 8.4 percent year-on-year in August compared to July's fa...
more
12. 10. 2009

Prague dominates CR economically, in investments --study
Prague dominates the Czech Republic in terms of the social and economic level as well as in investment activities, according to...
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23. 09. 2009

news archive

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Czech Future Skills! Website

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Czech Future Skills! on www.czechfutureskills.eu

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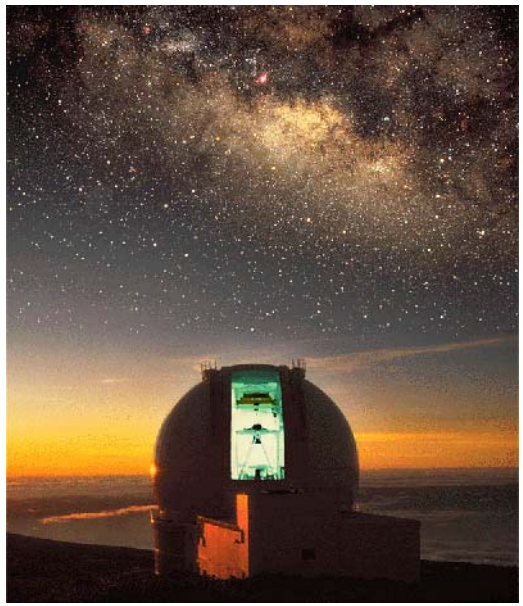
Few final words …



Few final words …

OUR GOAL IS TO ILLUMINATE AND EXPLAIN CHANGES AND TRENDS INFLUENCING LABOUR MARKET …

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OUR GOAL IS TO ILLUMINATE AND EXPLAIN CHANGES AND TRENDS INFLUENCING LABOUR MARKET …

… AS WELL AS TO BUILD „INFORMATION BRIDGES“ AMONG THOSE WHO EDUCATE AND TRAIN AND THOSE WHO HIRE AND EMPLOY PEOPLE.

THANK YOU FOR YOUR ATTENTION!

Jiří Braňka
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And the team of

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