

Economic Analysis for Major Projects

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Basic parameters for EA

- methodology based on CBA Guide 2008 and OP RDI CBA Guidelines (Jaspers);
- economic discount rate 5,5% (real value);
- reference (evaluation) period 15 years;
- conversion of market prices in FA;
- monetization of socio-economic costs and benefits;
- socio-economic evaluation and SA.

Conversion of market prices

Cost item	Conversion factor
Traded goods	1
Non-traded goods	1
Skilled labour	1
Non-skilled labour	calculated as $(1-u) \times (1-t)$
Land acquisition	1
Transfer payments	0

economic price = market price * conversion factor

note: non-skilled labour is not supported from SUG

Project: Technology center Brno - test project Unfinished
 Registration number:

- Basic param.
- Description
- Budget
- Operation
- Funding
- Impacts
- Sensitivity
- Finalization, pr

- Messages**
- Indicators
 - Impacts
 - Commentary of impacts
 - Evaluation of selected indicators
 - Financial inputs for rectification**
 - Evaluation
 - E.2.2 Details of benefins and costs
 - E.2.3 Main parameters and indicators

Recapitulation of financial inputs for rectification

Intro

Budget - input for rectification

Item	Conversion factor	2009 [CZK]	2010 [CZK]	2011 [CZK]
machine A	0,90	1 230	0	
Budget rectification		123	0	

Operating costs - input for rectification

Item	Conversion factor	2011 [CZK]	2012 [CZK]	2013 [CZK]
non-skilled labour costs	0,70	1 000 000	1 000 000	1 000 000
Operating costs rectification		300 000	300 000	300 000

Operating revenues - input for rectification

Item	Conversion factor	2011 [CZK]	2012 [CZK]	2013 [CZK]
Operating revenues rectification		0	0	0

Monetization of costs and benefits

- improvement of conditions for scientific research (publications, patents, contract research);
- improvement of infrastructure for education (number of students and graduates);
- employment and qualification growth (gross newly created jobs, newly created jobs for researches);
- identification and description of non-monetized cost and benefits.

Projects

All projects

Evaluation

Configuration

Users



Logout

Project: Excellence center - test project Unfinished

Registration number:

Basic param.

Description

Budget

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Sensitivity

Finalization, pr

Messages

Indicators

Impacts

Obligatory

- number of graduates, Ph.D.
- contract research volume
- new jobs in R&D- total
- new jobs, researchers total
- new jobs, researchers under 35 years of
- volume of funds for RaD from internatio
- number of applied projects with CE
- number of researches using infrastru
- students (MA, Ph.D.) using infrastru
- share of infrastructure used by other sut

Optional

Not obligatory

All impacts (not sorted)

Commentary of impacts

Evaluation of selected indicators

Financial inputs for rectification

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Socio-economic indicators / impacts of category 'Obligatory'

Provide an supposed value of indicators / socio-economic impacts in each year. More information on indicators, their definitions given in the appendix ?8 of the Handbook for applicants (www.msmt.cz/strukturalni-fondy/metodicky-pokyn).

+/-	Type of indicator	Indicator / impact	2009	
+	140510	number of graduates, Ph.D. [number]	10	▶
+	111200	contract research volume [CZK]	0	▶
+	110300	new jobs in R&D- total [number]	0	▶
+	071700	new jobs, researchers total [number]	5	▶
+	071900	new jobs, researchers under 35 years old - total [number]	0	▶
+	111300	volume of funds for RaD from international sources [CZK]	0	▶
+	110710	number of applied projects with CE [number]	0	▶
+	110810	number of researches using infrastructure [number]	0	▶
+	110820	students (MA, Ph.D.) using infrastructure [number]	0	▶
+	110830	share of infrastructure used by other subjects [%]	0	▶

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Main results of Economic Analysis

Parameter	Value
Social discount rate	5,5 %
Economic rate of return	EIRR > SDR
Economic net present value	ENPV > 0
Benefit / Cost ratio	B / C > 1

In case of negative results identification and description of non-monetized cost and benefits is necessary.