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## What is the discount rate?

- The discount rate used in the financial analysis should reflect the opportunity cost of capital to the investor. This can be thought of as the return on the best alternative project
- It is used for future values, i.e. costs and benefits, which are discounted to the present

Example: discount rate of 5\%. 1 EURO in year $\qquad$ 1 is worth $1 /(1,05)=0.907$ EURO in year 0

## Time factor and discount rate

- The marginal utility of 1 EURO today is bigger than the marginal utility of 1 EURO tomorrow

Example: discount rate of 5\%. 1 EURO in year 1 is worth $1 /(1,05)=0.907$ EURO in year 0

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How to determine the level of the discount rate?

Minimum opportunity costs of capital: benchmark for a public project=return on G'ment bonds
2. Maximum limit value: return lost from the best investment alternative, i.e. through a portfolio of securities in the international financing market
3. Cut-off rate: use simple rule-of-thump approach, i.e. interest rate on EIB bonds
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Factors affecting the discount
$\qquad$ rate

The Member State's specific macroeconomic conditions

- The nature of the investor: for instance, the discount rate can be higher for PPP projects, where the inclusion of private funds may increase the opportunity cost of capital
The sector concerned (e.g., transport, environment, energy, etc.)
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## Suggested discount rates

The Commission recommends that a 5\%
financial discount rate is used as an indicative benchmark for public investment projects cofinanced by the Funds
The downwards revision compared with the 2000-2006 programming period reflects changing macroeconomic conditions in the EU
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