





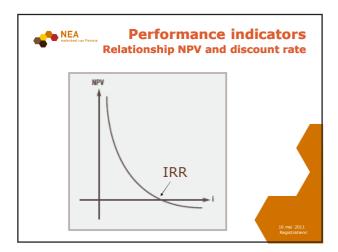
Performance indicators

$$\text{NPV}\left(\text{S}\right) = \sum_{t=0}^{n} \text{at S}t = \frac{\text{S}_{0}}{(1\!+\!i)^{s}} \!+\! \frac{\text{S}_{1}}{(1\!+\!i)^{s}} \!+\! \frac{\text{S}_{n}}{(1\!+\!i)^{s}}$$

Sn is the balance of cash flow funds at time n and at is the financial discount factor chosen for discounting

- Project is feasible if NPV>0
- This is a very concise performance indicator: it is the actual amount of all the net flows generated by the investment expressed in one single value with the same unit of measurement

16 mei 2011





Performance indicators

NPV (S) =
$$\sum_{t=0}^{n} St / (1+IRR)^{t} = 0$$

- The internal rate of return is defined as the <u>interest rate that zeroes out the net</u> <u>present value</u> of the investment
- Thus IRR could be an evaluation criterion for project appraisal: under a specific value of IRR the investment should be considered not suitable, e.g. < 5%

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Performance indicators

B/C = PV(I)/PV(O)

I are the inflows and O outflows. If B/C>1
the project is suitable because benefits,
measured by the present value of the
total inflows, are greater than costs,
measured by the present value of the
total outflows.

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