



Civil Engineering and Environmental Systems >

Volume 29, 2012 - Issue 4: Engineering Optimisation and Environmental Management (Containing Selected Papers from the third International Conference CEMEPE 2011 & SECOTOX)

324 Views | 3 CrossRef citations to date | 0 Altmetric

Original Articles

Environmental project evaluation: IRR-based decision support with a Monte Carlo simulation algorithm

Athanasios C. Karmperis , Anastasios Sotirchos, Ilias P. Tatsiopoulou & Konstantinos Aravossis

Pages 291-299 | Received 30 Nov 2011, Published online: 14 Aug 2012

 Cite this article  <https://doi.org/10.1080/10286608.2012.716423>

Sample our
Geography
Journals
>> [Sign in here](#) to start your access
to the latest two volumes for 14 days

 Full Article  Figures & data  References  Citations  Metrics

 Reprints & Permissions

[Read this article](#)

Abstract

One of the main objectives of the present study is to develop a decision support system (DSS) for the evaluation of environmental projects. The DSS is based on the IRR-based decision support algorithm, which is a useful tool to rank project's options and to select the one with the greatest expected profits.

We Care About Your Privacy

We and our 842 partners store and/or access information on a device, such as unique IDs in cookies to process personal data. You may accept or manage your choices by clicking below, including your right to object where legitimate interest is used, or at any time in the privacy policy page. These choices will be signaled to our partners and will not affect browsing data. [Privacy Policy](#)

We and our partners process data to provide:

Use precise geolocation data. Actively scan device characteristics for identification. Store and/or access information on a device. Personalised advertising and content, advertising and content measurement, audience research and services development.

[List of Partners \(vendors\)](#)

 I Accept

Essential Only

Show Purpose

Acknowledgements

The authors deeply appreciate the anonymous reviewers for their insightful comments and suggestions.

Related research

People also read

Recommended articles

Cited by
3

TECHNICAL NOTE—THE INTERNAL RATE OF RETURN (IRR) AS A FINANCIAL INDICATOR [➤](#)

Miroslaw M. Hajdasinski
The Engineering Economist
Published online: 12 Aug 2010

Average Internal Rate of Return and Investment Decisions: A New Perspective [➤](#)

Carlo Alberto Magni
The Engineering Economist
Published online: 12 Aug 2010



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up

