

Application of AHP Methodology on Government Budget Allocation Setting

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ABSTRACT

As Korea's space research and development budget grows rapidly, selection and concentration strategy should be considered important in budget allocation. This study explored the applicability of the AHP analysis methodology to the investment strategy and portfolio of the space research and development budget. A total of 21 experts in the field of space assessed for importance and priority through AHP methodology. The AHP assessment was designed around five key strategies presented in the mid- and long-term space development plan and four major satellite development programs. This study confirms that the AHP evaluation method can be used as a reasonable reference for coordinating the budget allocation of government R & D projects. The results were used to adjust the allocation of government R & D budget in the space sector in 2015.

Key words: AHP, budget allocation, space

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