

FROM TRIPLE TO QUADRUPLE HELIX

The role of society/citizens/customers in innovation

BACKGROUND: Why quadruple helix?

The triple helix model of the relations among University, Government and Industry for innovation has been increasingly questioned about its effectiveness in ensuring a long-term sustainable growth.

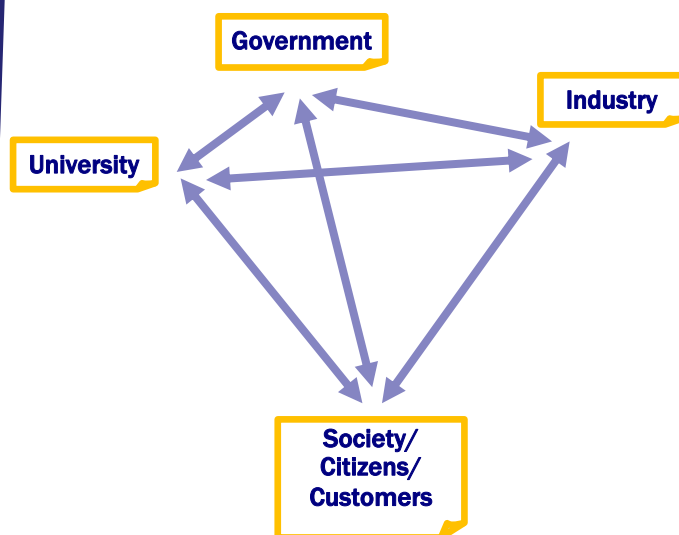
The purpose of developing quadruple helix is to add a fourth helix that serves as the representative of societal needs, and thus explicitly include society in the process of knowledge creation.



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RESEARCH QUESTIONS:

- 1) What is the definition of the quadruple helix innovation model and its academic and practical implications?
- 2) What is the role of society/ citizens/ customers in innovation?
- 3) What are the key success factors of quadruple helix models? How should we evaluate the performance and success of the quadruple helix models of innovation?
- 4) What is the role of universities in relation to the involvement of society/ citizens/ customers in innovation?



Proposed Quadruple Helix Model

METHODOLOGY

- * Literature review;
- * Case study;
- * Survey;
- * Experiment.

IMPLICATIONS:

Managerial implications: University/ Government/ Industry can learn from the findings about better practices and governance of collaboration with other partners acknowledging the role of society in innovation process.

Societal implications: Engaging society in innovation improves the prospects of well-being (economic, social and environmental dimensions).