Triple Helix twins: innovation and sustainability

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Subjects:
* TECHNICAL innovations
* CORPORATIONS -- Finance
* NEW business enterprises
* ENTREPRENEURSHIP
* INVESTMENT banking
* VENTURE capital
* WORKING capital
* PRIVATE sector

Abstract:
Debate over the Triple Helix model has focused on the question of whether there is a fourth helix. Various candidates have been suggested, such as labor, venture capital, the informal sector and civil society. However, introduction of a fourth helix might cause a triadic model to lose its creative dynamic. Nevertheless, an expanded model is required to incorporate a critical dimension. To resolve this paradox, we propose a Sustainability Triple Helix of university–public–government as a complement to the Innovation Triple Helix of university–industry–government, thereby introducing a missing element into the model, while retaining the dynamic properties of a tertius gaudens.