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Dynamical implications of bi-directional resource exchange within a meta-ecosystem

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Highlights

- Propose and study dynamics of a meta-ecosystem with bi-directional resources exchange (BRE)
- BRE generates complicated dynamical outcomes, including amensalistic, antagonistic, competitive, or mutualistic interactions, along with multiple alternative stable states.
- The relative cost and benefit for resource exchange along with the local environment can increase or decrease the productions of meta-ecosystem.

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