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Title: Promoting healthy and sustainable food environments, SHUFE: a framework to assess the university setting

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Introduction. Many health promoting universities initiatives are being implemented around the world but the strategic role of universities in promoting healthy and sustainable food environments, and thus to promote improved food and nutrition security, is under-researched. Aim - Develop and apply a framework to consolidate knowledge and research in sustainable and healthy university food environments. Methods. Development of a framework based on various literature, including: food environment constructs; health promoting and green universities; organizational development and health promotion theories; and research of elements in food environments that either enhanced or hindered students' and staff's abilities to make healthy, sustainable food choices. The framework was applied to map initiatives and projects in Australian and Brazilian universities. Results. A Sustainable Healthy University Food Environments (SHUFE) framework was developed. Partner universities applied it to actual activities: food access (food availability; accessibility; affordability; accommodation; acceptability), policies (subsidies for meal purchases; wellness programs), built environment (eating spaces; water), community outreach initiatives (food programs with local communities/schools), staff & student demographic and health profiles, food related research and teaching (food insecurity among university students; impact assessment of new food facilities on campus), student knowledge habits and attitudes, pro-sustainability initiatives (green roofs, university food gardens, composting), governance (actors, instances & processes involved in the management of the food environment). Conclusions. The SHUFE Framework recognises universities as an important health promoting setting that influences food and nutrition choices and health outcomes. Development and application of the framework has informed health promotion theory as it applies to settings approaches.