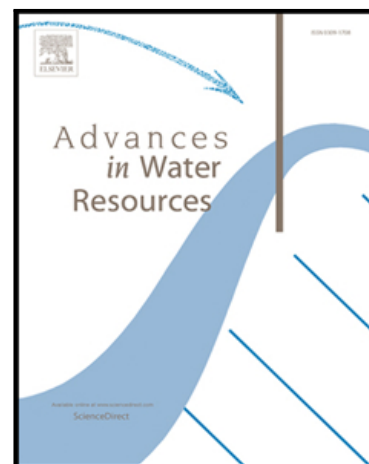


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An index-based approach for the sustainability assessment of irrigation practice based on the Water-Energy-Food Nexus framework

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Highlights

- WEFN is investigated to assess the irrigation sustainability at locale scale;
- Irrigation sustainability depends on water/energy accessibility and costs/benefits;
- Three indices are integrated to capture the root causes of unsustainability;
- The economic land productivity is a key driver on 'irrigation sustainability';
- Many crops can be comparatively analyzed and their main impacts/benefits assessed.

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