



First Name: **Brad** Last Name: **Gaolach**
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Education:

PhD: **Zoology - community ecology** MS: **Entomology** BS: **Zoology & Political Science**

General Areas of Expertise:

My most recent areas of focus and interest is in focusing on metropolitan communities, working with decision makers on policy level issues. My academic training is related to peri-urban agricultural systems, growing for farmers market and CSA distribution.

Short Bio:

Dr. Brad Gaolach is an Associate Professor, Washington State University Extension working on community sustainability in Washington's metropolitan communities. He is the founding director for both WSU's Metropolitan Center for Applied Research & Extension (MetroCenter.WSU.edu) and the Western Center for Metropolitan Research and Extension (www.metroextension.wsu).

Prior to his current appointment, he served as the County Director for the two most populous counties in Washington State. Trained as population and community ecologist, he brings systems and sustainability based approaches to community-based applied research and education programs. He has conducted applied research and developed extension programs ranging from water quality, climate change, agriculture, food systems, and community and economic development. Since joining WSU Extension in 2001, Dr. Gaolach has emphasized collaboration amongst the assets of WSU and community-based partners.

Five Representative Publications:

Fox, J., Ruemenapp, M.A., Proden, P., and B. Gaolach. (2017) A national framework for urban Extension. *Journal of Extension*. 55(5): 5FEA2

Gaolach, B., Kern, M., Sanders, C., and Gaffney, M. (2017) Urban extension: Aligning with the needs of urban audiences through subject-matter centers. *Journal of Human Sciences and Extension* 5(2): 126-144.

*Allen, E., Brady, M.P., Collins, D.P., Gaolach, B., Moffett, K., Padowski, J.C., Richey, A.S., & Rajagopalan, K. (2016). Perspectives on the Food-Energy-Water Nexus in Metro Seattle: A synthesis report based on stakeholder interviews. *Promoting Urban FEW Resource Resilience via the Regional Food System*. *authors in alphabetical order

Wells, N.M., Myers, B.M., Todd, L.E., Barale, K., Gaolach, B., Ferenz, G., Aitken, M., Henderson, C.R., Tse, C., Pattison, K.O., Taylor, C., Connerly, L., Carson, J.B., Gensemer, A.Z., Franz, N.K., Falk, E. 2015. The effects of school gardens on children's science knowledge: A randomized controlled trial of low-income elementary schools. *International Journal of Science Education*. 37(17): 2858-2878 doi: 10.1080/09500693.2015.1112048

Horst, M. and B. Gaolach. 2014. The potential of local food systems in North America: A review of foodshed analyses. *Renewable Agriculture and Food Systems*, available on CJO2014. DOI:10.1017/S1742170514000271

FEWSTERN Symposium 2017 Presentation Title and Abstract:

Promoting Urban Food, Energy and Water Resource Resilience via the Regional Food System:
 Urban areas are major consumers of food, energy, and water (FEW). While the water and energy generally originate within an immediate geographic region, the food may be sourced globally. The Washington State University Metro Food Energy Water Seed Grant Research Team seeks to understand how food, energy, and water are interdependent in the context of changing environmental pressures and policies, using the Seattle metropolitan area as a case study.

Current Research

- Synthesizing data from interviews with 27 stakeholders from across western Washington who are working on issues related to food, agriculture, land use planning, and energy and water resource management.
- Developing a conceptual model to link regional food demand and supply across geographic scales with regional food trade, pricing and how water, land, energy, and labor interact with agricultural production systems.