

## Information about the lecture

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<b>Speaker</b>	Dr. Scott MacIvor
<b>Title</b>	Plant diversity and species selection improves green roof performance
<b>Group of topics</b>	June 20 <sup>th</sup> , 2017 Biodiversity / Species protection
<b>Language</b>	english
<b>Content</b>	In this lecture I will introduce the audience to biodiversity-ecosystem function relationships from studies in natural systems and identify how this can be used as a framework for designing green roof systems. I will present the City of Toronto Guidelines for Biodiverse Green Roofs and demonstrate how it encourages more creativity in green roof plant selection and design. Lastly, I will show empirical evidence from several studies we have conducted in Halifax and Toronto in Canada that point to relationships between plant diversity and species selection and improved green roof stormwater capture, building cooling, and habitat for wildlife