

From "Having Data" to "Using Data": Interactive Data Visualization

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Description

The value of accurate and meaningful data is critical for evidence-based strategic planning by research administrators. This session will describe how Cornell University developed a Sponsored Research Metrics Dashboard to inform decision makers such as Provosts, Deans, and Department Chairs. We will demonstrate how interactive visualization of the data makes it easier to explore business questions and describe our approach to developing the visualizations. We will describe how our data management and reporting strategy afforded us the opportunity to examine and improve data entry processes, coding practices, standard operating procedures and training for data entry staff. It has also allowed us to determine metrics that have informed implementation decisions for our new electronic research administration system. Finally, we will describe the resources needed and how the team worked together, illustrating the importance of a partnership between functional research administration expertise and dedicated technical expertise, coupled with sponsorship from Executive Leadership.

Learning Objectives

1. Demonstrate the value of using interactive visualization tools to allow decision makers to answer critical business questions and to support institutional strategic planning.
2. Evaluate the impact of a data analysis and reporting strategy on the development of standard operating processes, training, consistent data entry practices and data definitions.

Speakers

Mary-Margaret Klempa



14 years of experience in research administration: Director, Office of Sponsored Programs, Cornell University, September 2013 –; Senior Director, Office of Sponsored Research, McGill University, March 2011 – August 2013; Associate Director (Grants and Foundations), Office of Sponsored Research, McGill University, February 2010 –March 2011; Research Grants Office, McGill University, Senior Grants Officer, 2000 - 2009; Presenter at Society of Research Administrators (SRA) International Annual Conference Senior and International Level Workshop: "Development and Management of University/Industry Strategic Partnerships and their Economic Impact" (2011)- Presenter at Canadian Association of University Research Administrators (CAURA) National New Administrators Workshop (2009, 2010, 2011, 2012); Panelist on "SSHRC to CIHR Transition" session at CAURA National Conference 2012; Organizer and moderator of "Beyond Tri-Council Funding" session at CAURA National Conference 2011. I have worked with sponsored research metrics for at least a decade. At my previous position at McGill, I was responsible for delivering sponsored research reports to the VP Research, Deans and Department Chairs. I worked with Associate Deans of Research to determine what metrics met their needs for strategic planning and decision-making. In my present position I have been working on a long term project that began in September of 2013 to deliver a sponsored research metrics dashboard to the Office of the VP Research (the subject of this presentation)

Brett Haranin

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