Connecting to Excellence: The Green Chemistry Innovation Portal

Oct. 26, 2015

www.greenchemistryportal.org





What is the GC3?

- Cross-sectoral, B2B network of over 70 companies and other organizations
- Formed in 2005
- Collaboratively advances green chemistry across sectors and supply chains







Today's Speakers

John Frazier



GC3 Advisory Committee

Tom McKeag



Program Director
Berkeley Center for Green
Chemistry

Anna Ivanova



Green Chemist GC3





Ground Rules

- Due to the number of participants in the webinar, all lines will be muted
- If you have a question or comment, please type in the Q&A box located in the control panel at the right of your screen
- Questions will be answered at the end of the presentation



The Green Chemistry Innovation Portal

An Industi

An Industrial Perspective

www.greenchemistryportal.org





The Green Chemistry Community

Excitement and Optimism of the GC Community:

- Well-attended conferences
- Many first-time attendees
- Industry often separated from technical researchers
- · As a colleague used to say, "Chickens Talking to Ducks"



Drivers of the Portal - From Industry

- Industry often separated from technical researchers
- Some industries lack technical resources

- There is a need for Technical Bridges:
 - "How do I solve ____?"
 - "Has anyone ever done ____?"
 - "Who can I talk to?"





Drivers of the Portal - From Researchers

Research often isolated from industry needs:

- Solutions in need of a problem.
- "I didn't know your industry needed _____."
- "Nobody ever told us what you were trying to solve."
- "I have no idea who I can talk to in industry."





We Needed a Matchmaking Tool

- The good news is that innovation is out there....lots of it!
- What we needed was to tap into:
 - The Green Chemistry Approach
 - The Broader Network of Chemists including:
 - The American Chemical Society
 - Green Chemistry and Commerce Council (GC3)
 - Universities
 - Companies that Need Sustainable and Green Innovation





The Green Chemistry Innovation Portal



An Academic Perspective

www.greenchemistryportal.org





The Green Chemistry Innovation Portal



Features and Uses

www.greenchemistryportal.org





Background

- Partnership between the GC3 and American Chemical Society's GCI
- Intended to:
 - Connect green chemistry community outside of conferences
 - Share research and innovations
 - Promote partnership and collaboration
 - Demonstrate size of green chemistry community







Green Chemistry Innovation Portal

INNOVATION MAP



EXPLORE THE COMMUNITY

New to green chemistry and want to know who's committed? Check out the Innovation Map to get a picture of this fast-growing community.

INNOVATION FORUM



JOIN THE DISCUSSION

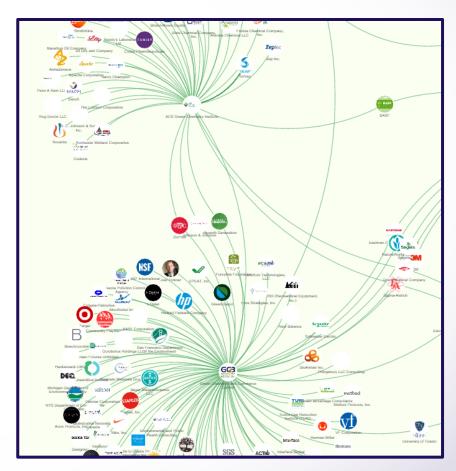
Have a question to ask, news to spread, or technology to promote? Share it with our community at the Innovation Forum.







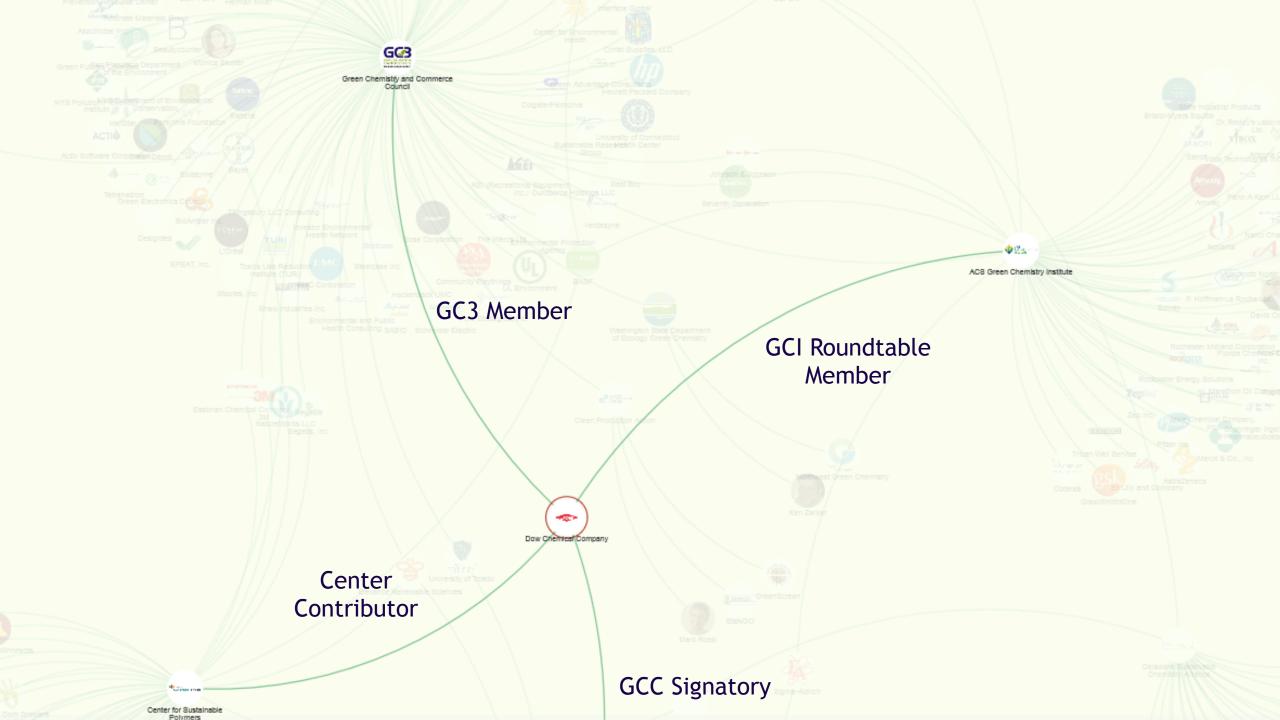
- Visual map of organizational connections in the green chemistry community
- All sectors and industries
- Searchable
- Dynamic interface with regional viewing option













Green Chemistry Innovation Portal

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- Online space for discussions around green chemistry
- Anyone can post
- Free account allows you to follow discussions
- Categories for safer alternatives, B2B, bio-based chemicals, job board...











- Uses GC3 and GCI expertise to find answers
- Easy to use
- How-to videos on getting started
- Option to Ask a Moderator for help with forum or question

sharareh Oct 19, 2015

Green chemistry projects for high school students?

Hi I am Sharareh from Iran. I am chemistry teacher in highschool and an environmental NGO in Iran. I want to know how can find green chemistry projects for my students that these projects increase my students responsibility about environment and change their behavior. for example in the case of global warming and their role in greenhouse gassouses. how they compute their carbon footprint by a siple way and with a simple formula?



ACannon Oct 19, 2015 11:08 AM (in response to sharareh)

Re: nts?

Hello there! We (Beyond Benign) have a number of green chemistry lesson plans and activities for the high school level, found here: beyond benign: green chemistry curriculum . The lessons might serve as a good starting point and spark some ideas for student projects. Please let us know if you have any questions as you are looking things over! And, good luck!



jhaack Oct 19, 2015 11:29 AM (in response to sharareh)

Re: nts?

One activity that I have had my students do is to create a material profile. This involved investigating the life cycle of a specific material. This involved keeping trace of the impacts of a material across its life cycle. It involved documenting the inputs and outputs of the raw materials, manufacturing process, distribution, use and disposal for a specific material. There is good information available for polymers at a website called PlasticsEurope (PlasticsEurope – Eco-profiles – PlasticsEurope (PlasticsEurope and then





Value of the Innovation Portal



- Demonstrate size and diversity of green chemistry community
- Find potential partner or funding organizations
- Explore green chemistry organizations



- Flexible communication tool
- Hosted on the ACS Network
- GC3 and GCI expertise to answer your questions
- Keep up with green chemistry news and discussions





Ask the Innovators on the Forum

- November 10th, 3:00-4:30 ET
- Text-based Q&A session
- Ask anything about BCGC Greener Solutions Program
- Questions will be answered live by BCGC and Method
- Submit questions starting Nov. 3rd at www.acs.org/gcforum













Upcoming Events



Chemical Hazard Assessment: Informing Decisions for Safer Chemicals, Materials, and Products

Nov. 10th, 2015 1:00-2:00 PM ET (10:00-11:00 PT)



Ask the Innovators: Spotlight on Berkeley's Greener Solutions Program

Nov. 10th, 2015 3:00-4:30 PM ET (12:00-1:30 PT)



11th Annual GC3 Innovators Roundtable Sponsored by Seventh Generation

May 24th-26th, 2016, Burlington, VT





New from GC3: Safer Chemistry Training



Safer Chemistry Training for Businesses



Webinar Title and Description	Presenters	Chemistry Rating
Foundations for Green Chemistry and Green Engineering		
Green Chemistry: Benign by Design	John Warner Warner Babcock Institute for Green Chemistry	1
One of the fathers of green chemistry, Dr. John Warner, provides an introduction to green chemistry, as well as ideas for how to build this concept into education and practice.		
Introduction to Green Engineering	Julie Zimmerman	4
Green engineering applies principles similar to those of green chemistry to process and product design. In this webinar, experts in green engineering introduce principles, tools, and examples of this practice.	Yale University	
	Matthew Eckelman Northeastern University	4
	Julie Schoenung University of California Davis	4
The Role of Policy in Green Chemistry Research and Adoption	Robert Giraud DuPont Company	4
This webinar provides an overview of the range of policies that can affect chemical design and product development and adoption, with examples from a major chemical manufacturer.		
	Joel Tickner Green Chemistry & Commerce Council	4
Green Chemistry in Business		
The Value of Green Chemistry	Helen Holder	- %

- Free, customizable online curriculum
- Webinars ranging from introductory to advanced
- Can be tailored to specific job needs

www.greenchemistryandcommerce.org/ safer-chemistry-training



Thanks for joining us!

www.greenchemistryportal.org

For more information about the GC3: GC3info@greenchemistryandcommerce.org





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WEBINAR

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