From National Priorities to Financeable Solutions

The Global Greenchem Innovation and Network Programme (GGINP)

Center for Green Chemistry and Green Engineering at Yale

Dr. Lars Ratjen

12 November 2026

Center for Green Chemistry & Green Engineering at Yale

Global Greenchem Innovation & Network Program

Co-led and Supported by:

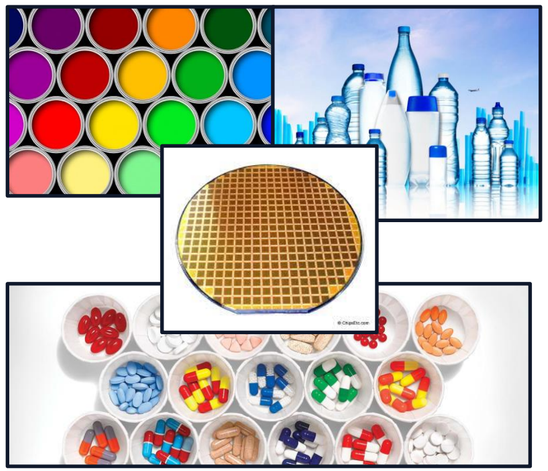
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Green Chemistry is important on a global scale

Fulfilling a function…



Status Quo

Reductionist approach:
Fulfill the function,
negotiate the risk!

… without the imminent risk



- Nature fulfills functions without causing risk to the environment or humans!

Green Chemistry comes from the need for sustainability!

Global Problems - Global Greenchem

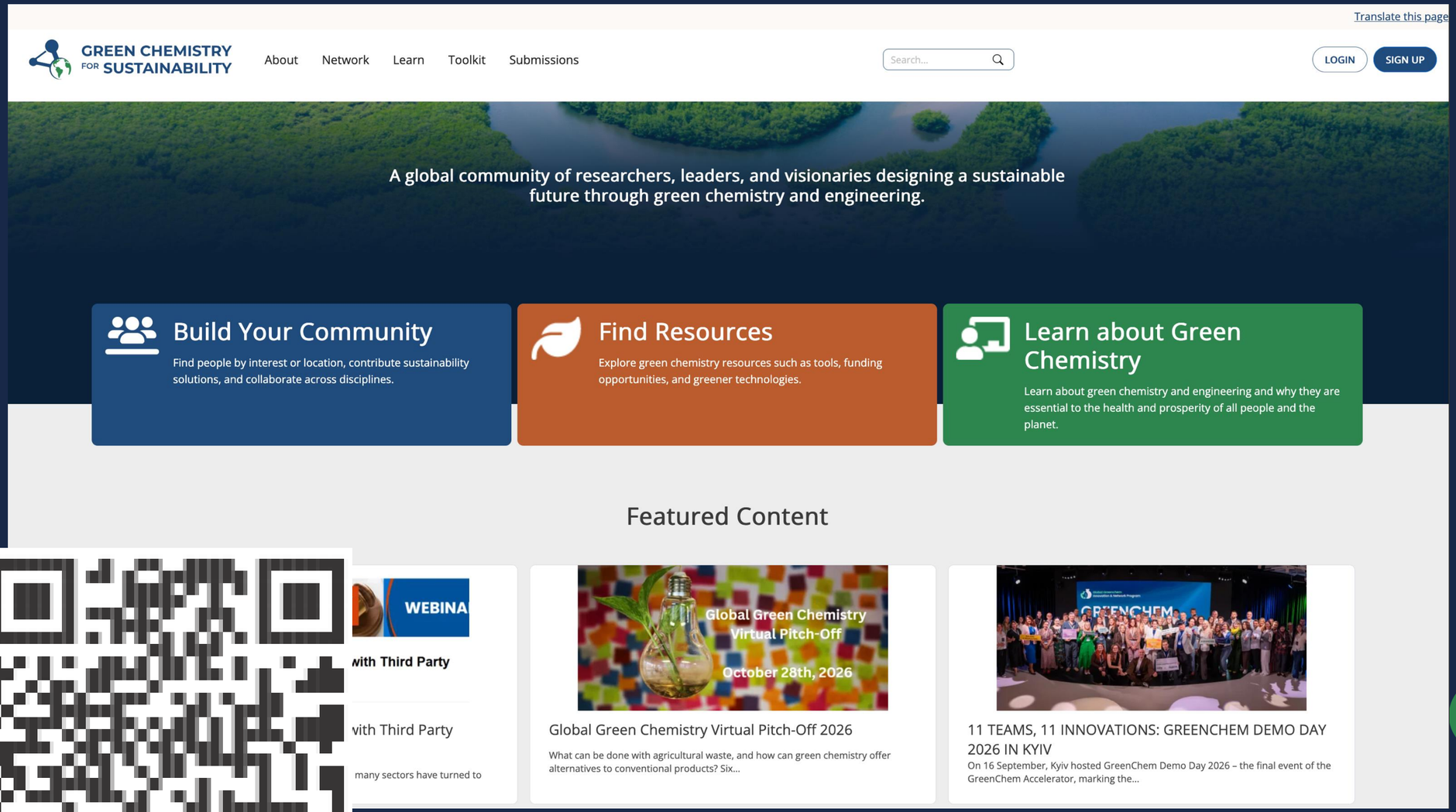
Global Greenchem
Innovation & Network Program

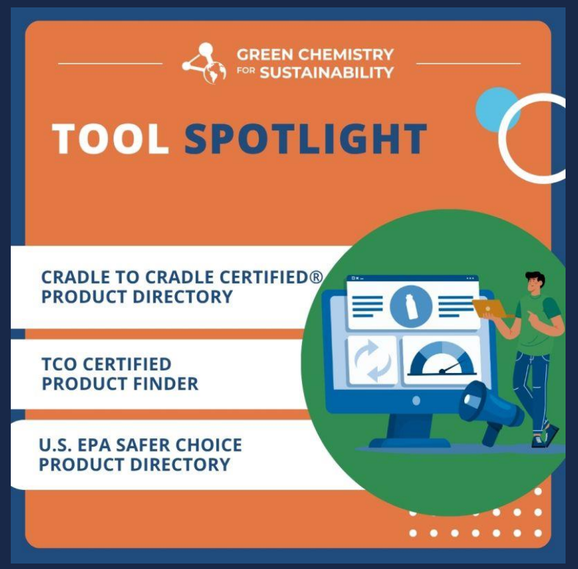


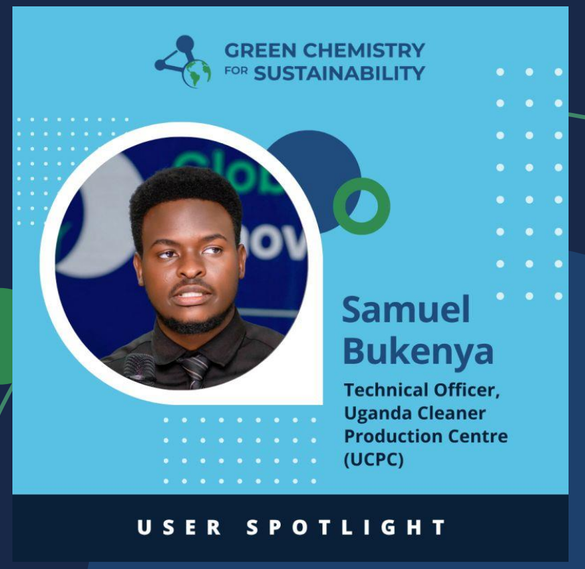
Mission: To scale up green chemistry for POPs and mercury replacement through capacity building and innovation, and creation of a global unifying green chemistry network for implementation and



Green Chemistry Network







www.chemistryforsustainability.org



Business Accelerator

A business accelerator is like an engine

Take away any one of the six parts and the engine won't work.

Entrepreneurs
are the ignition system

The spark. Nothing starts until someone ignites the mixture.

Capital
is the fuel system

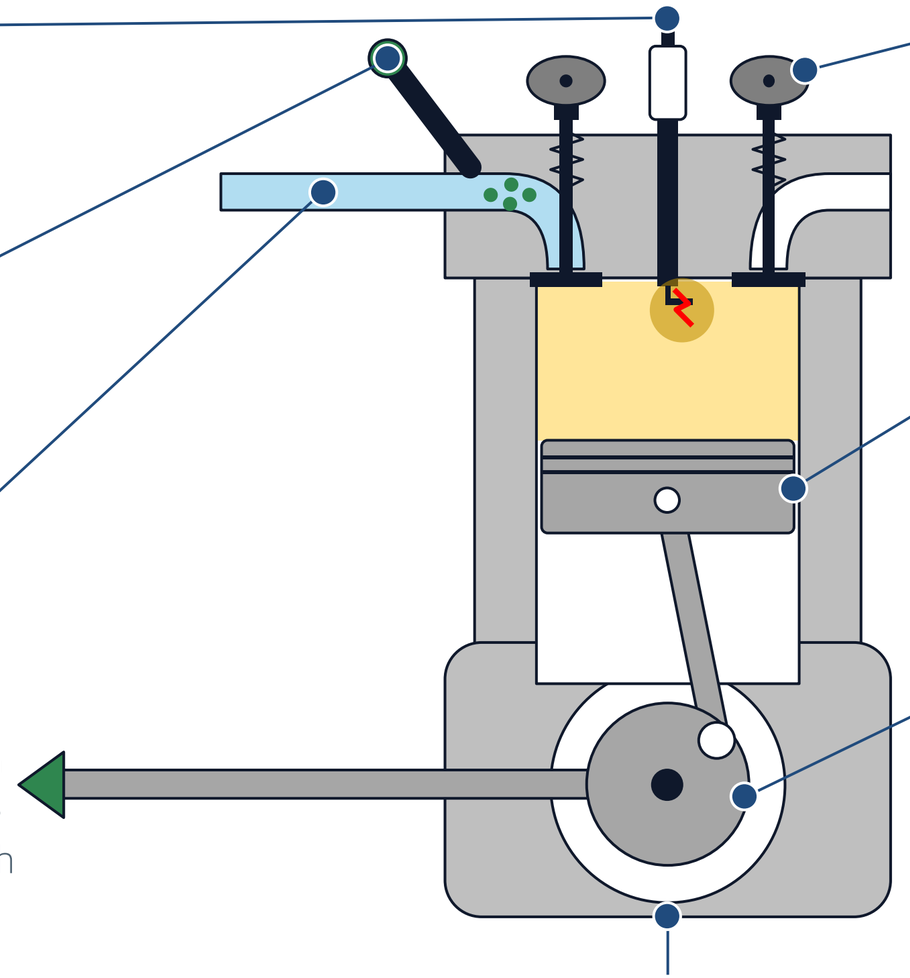
The energy supply, metered out in the right amount at the right time.

Research
is the air intake

Labs and universities supply the knowledge that mixes with capital.

OUTPUT

Companies, jobs and regional growth



Government
is the valves and camshaft

Policy and regulation set the timing: what gets in, what gets out, and when.

Workforce
is the pistons and cylinders

Skilled people do the repeated work that turns energy into motion.

Corporations
are the crankshaft

They convert startup force into scaled output: customers, contracts, markets.

The accelerator program is the engine block: it holds things in alignment.


GreenLink Greenovate Accelerator
x Demo Day UPER CASE IB 2023


The Catalyst
Global Green Chemistry & Sustainability Accelerator


SALIDA






Global Greenchem
Innovation & Network Program

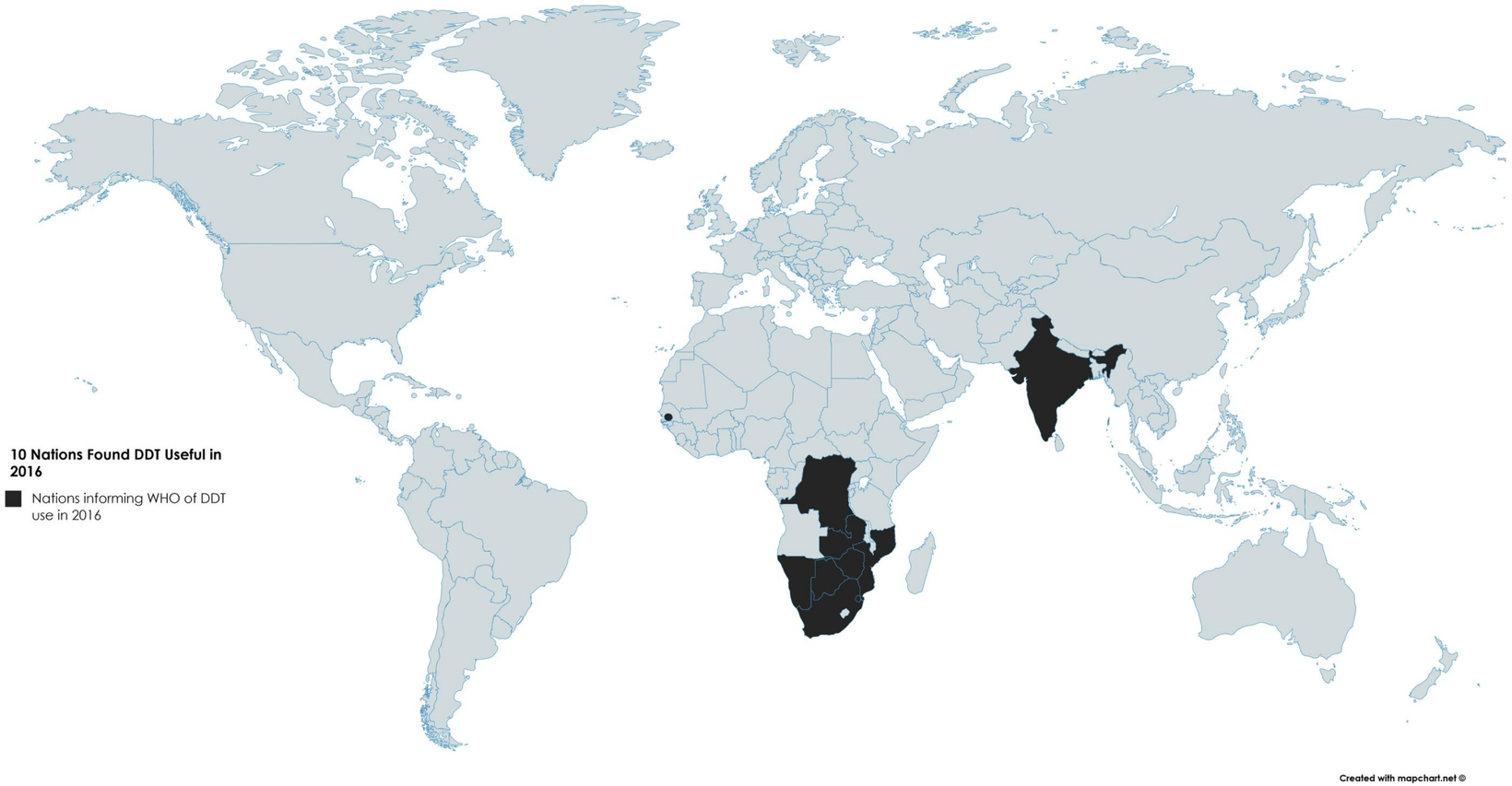


Pilot Implementation

Conventions for Global Change

Stockholm Convention – 2001

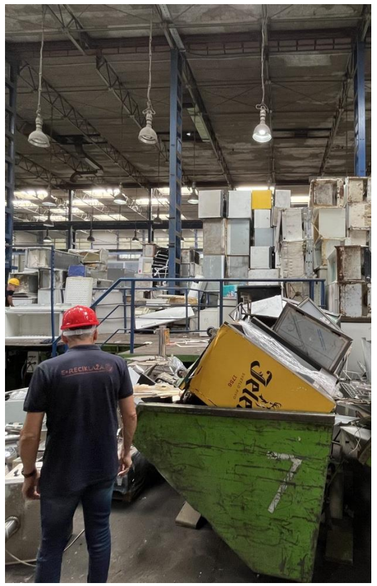
Regulating the synthesis and use of persistent organic pollutants (POPs)

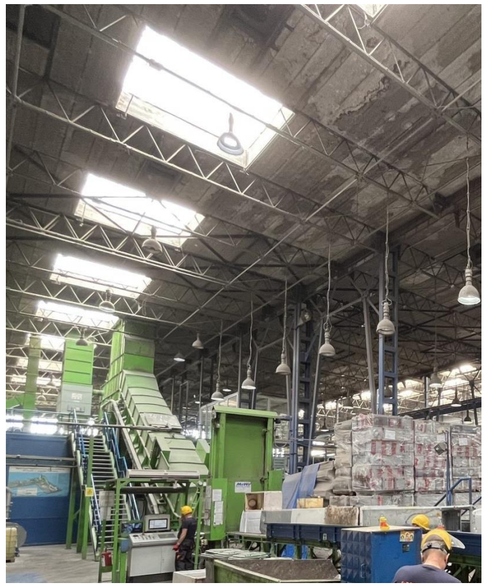


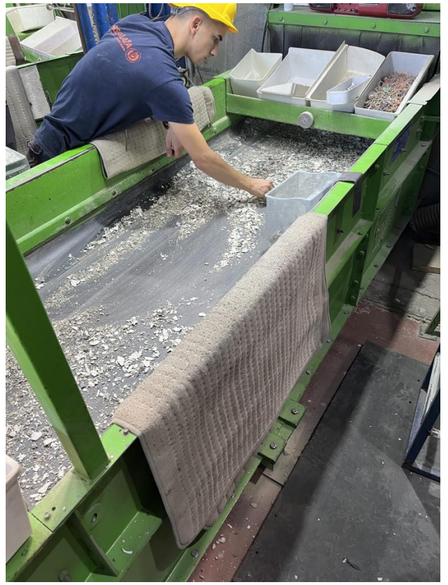
Interventions in E-Waste Recycling

Work with an E-Recycling/E-Waste processing company in Niš.

E•RECIKLAŽA
Reciklaža električnog i elektronskog otpada











Pilot Project Implementation 28th of October 2026 in Niš, Serbia

The Global Greenchem Team around the World



Universitas Pertamina

الجَمعيّة العِلميّة المَلكيّة
Royal Scientific Society

GRUPO GEA

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Cleaner Production Centre of Serbia

UCPC
UGANDA CLEANER PRODUCTION CENTRE

RESOURCE EFFICIENT AND CLEANER PRODUCTION CENTRE

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ACCELERATORAPP
Johana Coneo · Alain Valiquette

IDEAS. SOLUTIONS. IMPACT.

Thank you!



Yale School of the Environment

Center for Green Chemistry & Green Engineering at Yale

- Advance Science
- Catalyze Implementation
- Prepare the next generation
- Raise Awareness

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https://greenchemistry.yale.edu/

https://chemistryforsustainability.org/
https://www.globalgreenchem.com/

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