



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION

**THE UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION**

**AND PARTNERS PRESENT:**

# **Green Chemistry**

## **The Global Project**

**Official Kick-Off Event, Rio de Janeiro, February 13, 2017**

*Petra Schwager, Programme Coordinator,*

*Environment Department, UNIDO*

# Where we come from:



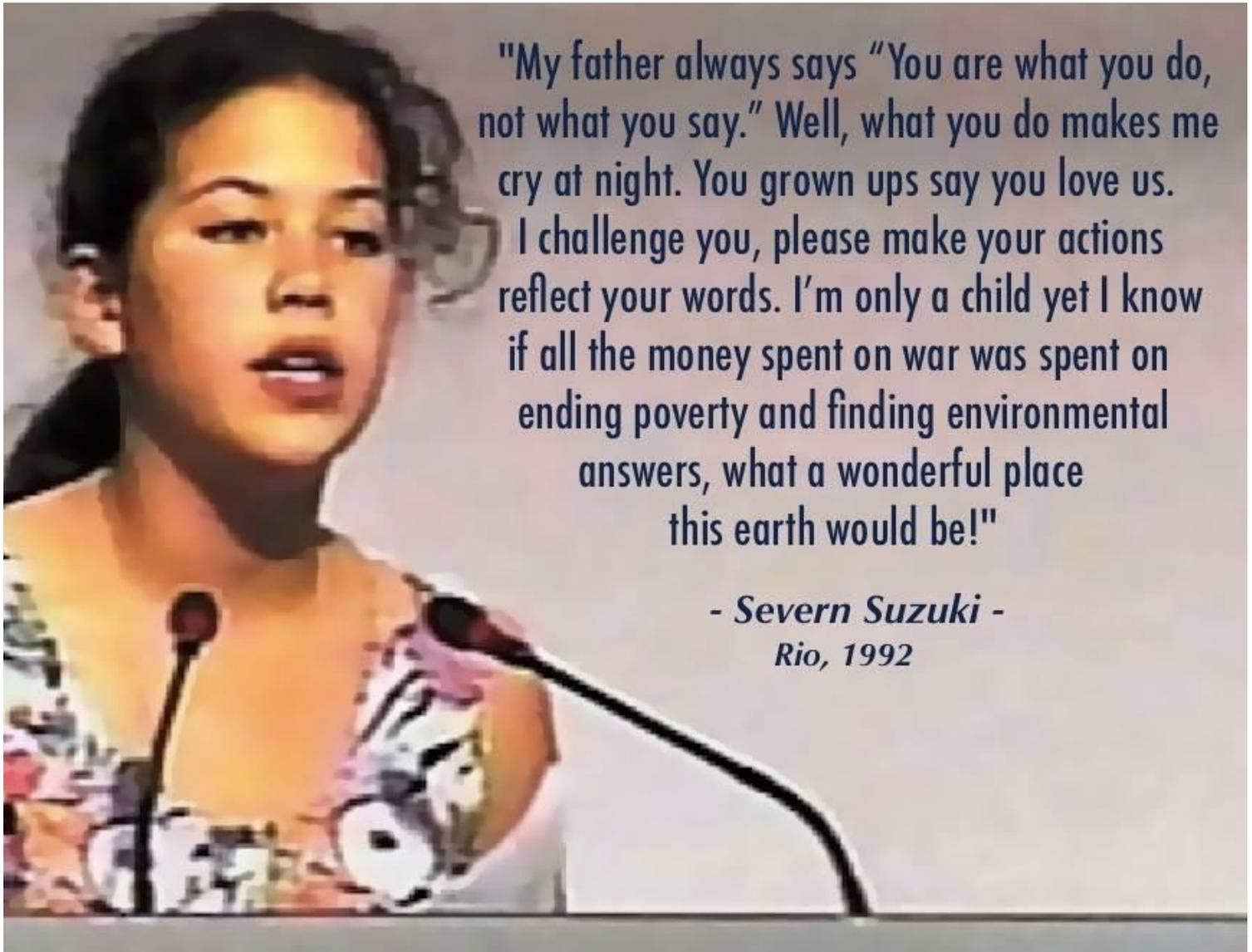
**UN Earth Summit,  
Rio de Janeiro, 1992**



**RIO+20**  
United Nations  
Conference on  
Sustainable  
Development

**Rio+20, 2012**

# Where we come from



"My father always says "You are what you do, not what you say." Well, what you do makes me cry at night. You grown ups say you love us. I challenge you, please make your actions reflect your words. I'm only a child yet I know if all the money spent on war was spent on ending poverty and finding environmental answers, what a wonderful place this earth would be!"

- *Severn Suzuki* -  
*Rio, 1992*

## New York, 25 September 2015



Source: IISD-ENB

# The 2030 Agenda for Sustainable Development





# GOAL 9

BUILD RESILIENT INFRASTRUCTURE, PROMOTE  
INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND  
FOSTER INNOVATION

**SUSTAINABLE DEVELOPMENT GOALS**

More at [sustainabledevelopment.un.org/sdgsproposal](https://sustainabledevelopment.un.org/sdgsproposal)

# UNIDO -

## United Nations Industrial Development Organization

- **Specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability**
- **168 Member States**
- **Based in Vienna, Austria**



# What we are up for :



## Global Green Chemistry Project Launch

## Project Objectives

**“Promoting, capacity-building on and implementing science-driven green chemistry and green engineering technologies in various industries of low and middle income countries.”**

## Project Partners

- ... YALE UNIVERSITY leading a global research consortium**
- ... National Cleaner Production Centres and SENAI Brazil**
- ... Braskem and other partners from industry and science**
- ... the Global Environment Facility**



# Project Components

## Capacity building and awareness raising

- Green Chemistry guidance document and technology compendium
- Development of state-of-the-art university curricula
- Train-the-trainer courses in cooperation with Yale University and National Cleaner Production Centres at the global level

## Case studies

- Green Chemistry Pilot with Braskem:
  - Production of bio-based low density and linear Polyethylene using new catalytic processes
  - Documentation jointly with the SENAI Green Chemistry Institute in Rio de Janeiro
- Development of new green chemistry case studies with selected partners at the global level



# What we are heading for:

## Towards a sustainable future with Green Chemistry

***“The project is the first Green Chemistry project that the GEF funds.”***

*Cited from the GEF Review Sheet*

***“The project holds enormous potential for up-scaling and replication .”***

*Cited from the official UNIDO press release; More information: [www.unido.org](http://www.unido.org)*



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**Thank you very much for your attention!**

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