

Success Stories from Indy to Cape Town

Indianapolis, IN
December 13th, 2016



Agenda

- **Welcome and introductions**
- Summary of 2016 projects
- Q & A with OSCE local organizers via Skype
- Kheprw Institute's Community Controlled Food Initiative and social enterprises
- Other success stories in Indiana
- Actions for 2017

Agenda

▪ Indianapolis

- Pambana Uishi – KHEPRW Institute
 - Imhotep Adisa – KHEPRW Institute
 - Mimi Zakem – KHEPRW Institute
 - John Gieryn – KHEPRW Institute
 - Silvia Leahu-Aluas – OSCEdays Indy
-
- Gien Wong – OSCEdays Cape Town, South Africa
 - Maïke Majewski – OSCEdays Berlin, Germany

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OSCE Days 2016

OSCEdays is a global project, community & resource base that develop a sustainable circular economy using & inventing open source methodologies

Experts, enthusiasts and innovators from across the globe work together in order to exchange ideas and solutions – prototyping systems, products and designs for an Open Source Circular Economy.

Motto:

Nature does not create waste, we do.

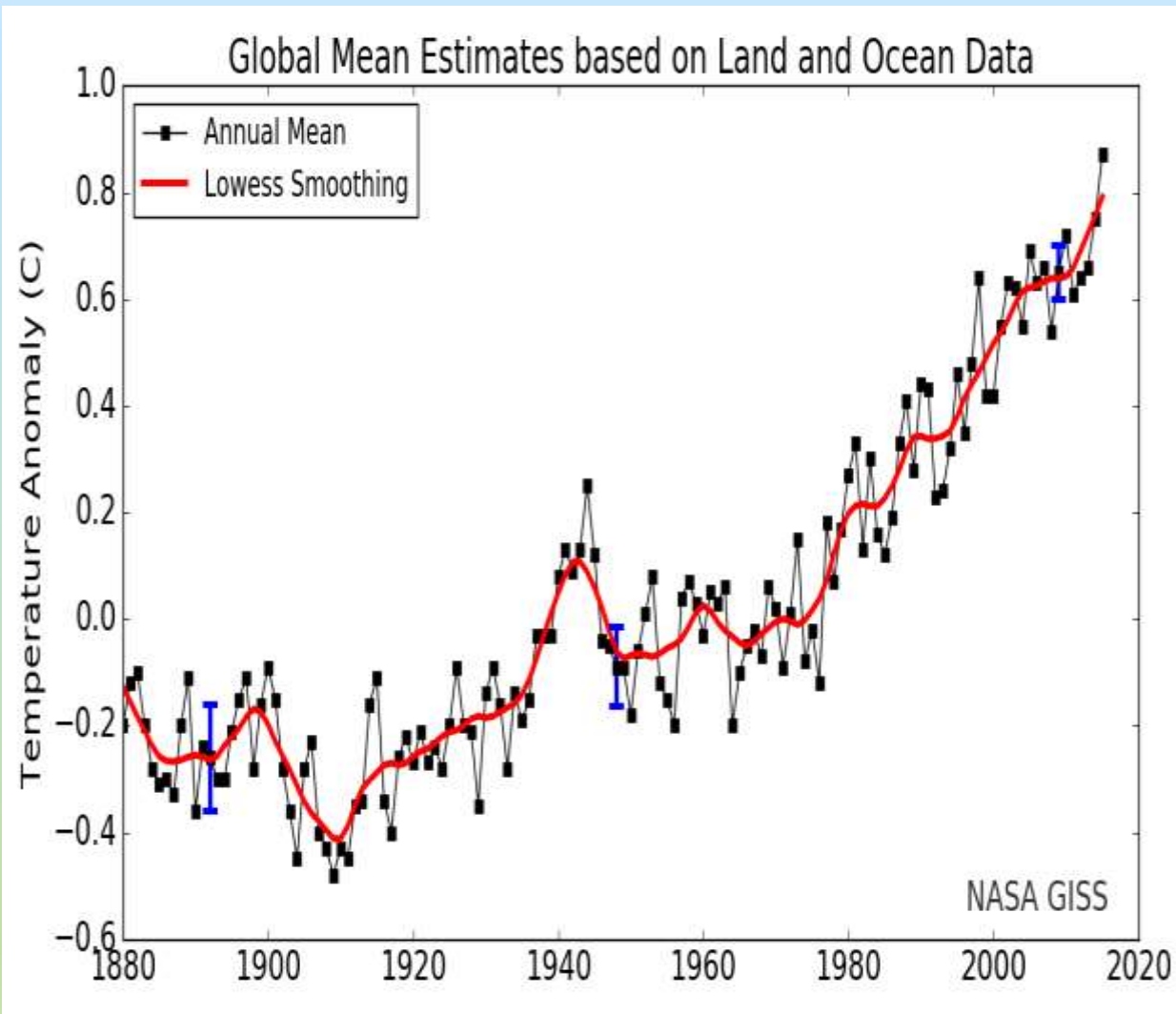
Nature operates in circles, we operate in lines.

Nature changes slowly, we go fast.

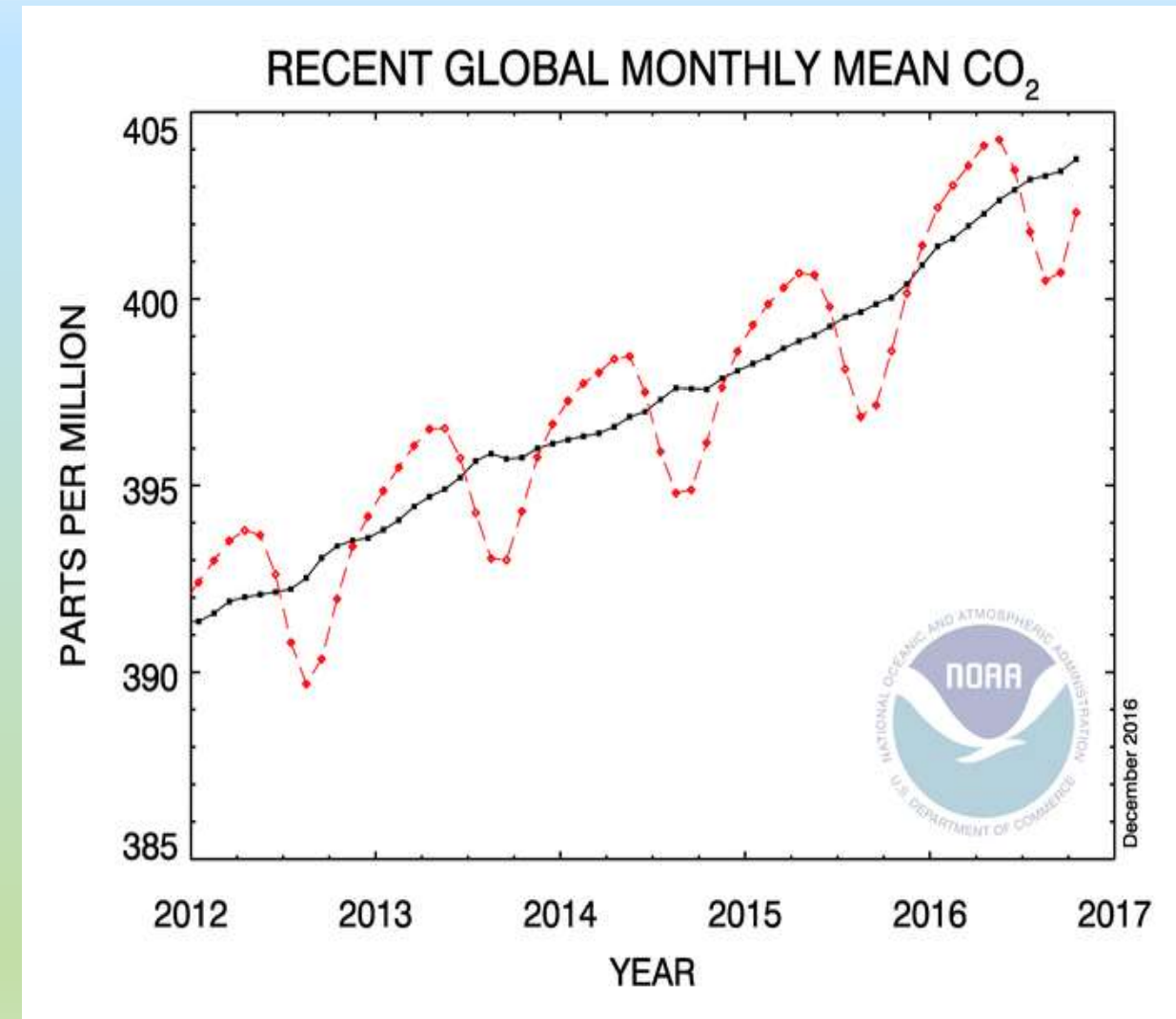
Circular economy brings human-made systems closer to ecosystems and that's a good thing.



Open Source Circular Economy – Why should we care?



<http://data.giss.nasa.gov/gistemp/graphs/>



<https://www.esrl.noaa.gov/gmd/ccgg/trends/global.html>

Open Source Circular Economy – What is it?

Open Source

is a successful collaboration method for developing software, hardware and design. It is based on transparent (and often distributed) development, and the open sharing of files and solutions.

Open Source Circular Economy – What is it?

Circular Economy

is the concept of a truly sustainable economy that works without waste, saves resources and is in synergy with the biosphere. Rather than seeing emissions, byproducts, or damaged and unwanted goods as 'waste', in the circular economy they become raw material, nutrients for a new production cycle.

Open Source Circular Economy – What is it?

Open Source + Circular Economy

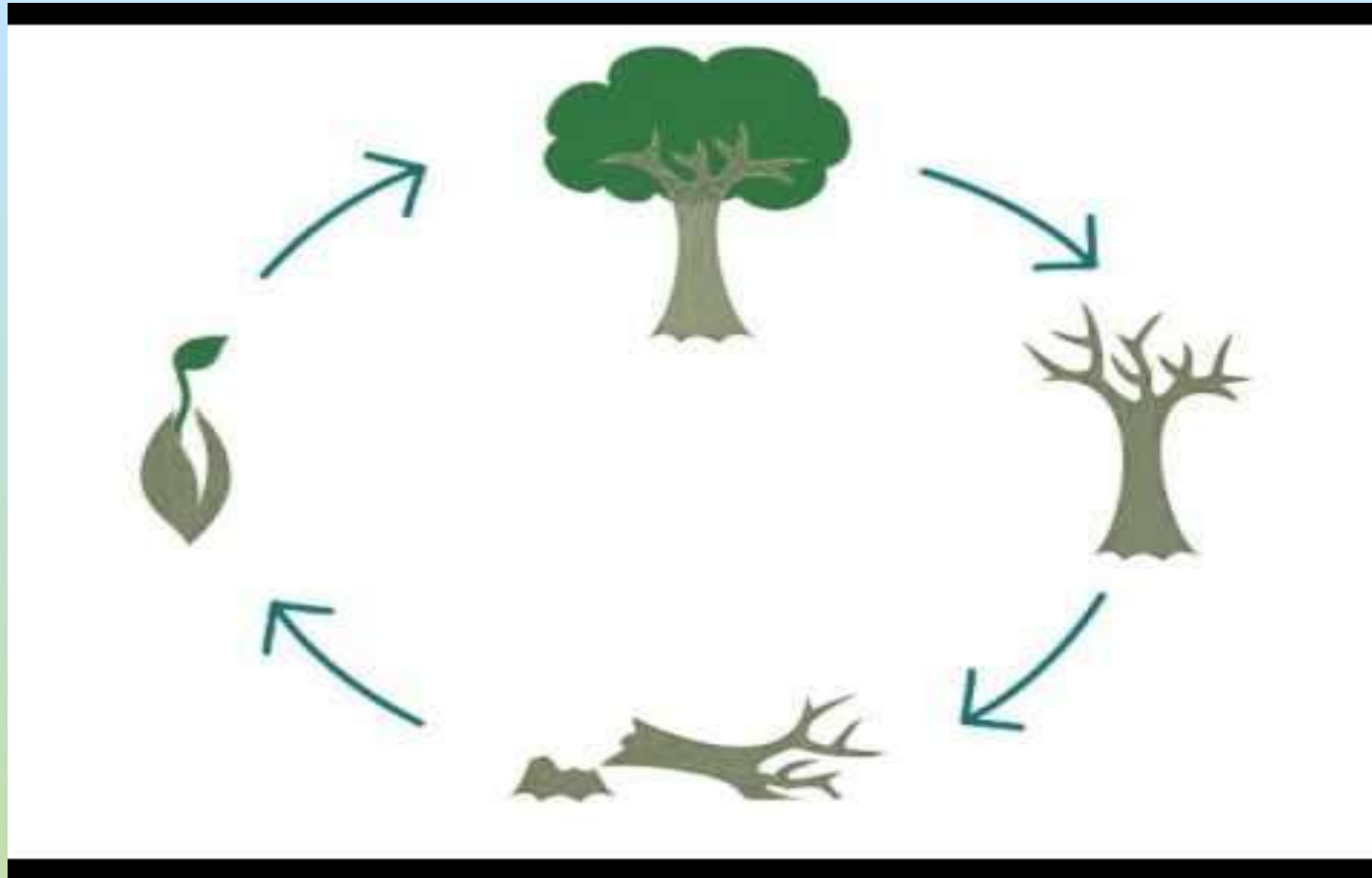
We believe that a sustainable, waste free,
circular economy needs transparency,
open access to information
and open source solutions.

Open Source Circular Economy – What is it?

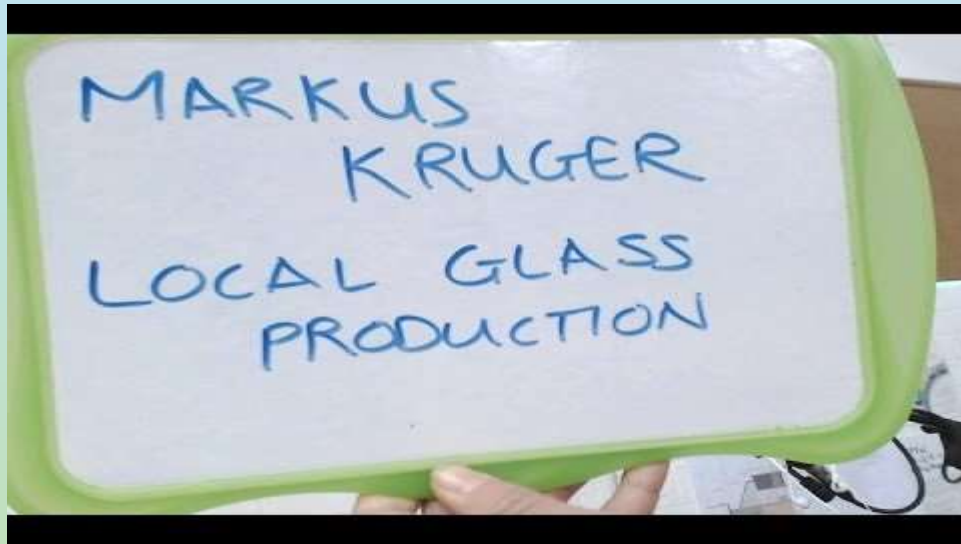


Lake ecosystem: Source: Georgia Department of Natural Resources

Open Source Circular Economy – What is it?



Cape Town, South Africa



Event Themes

Stop Reset Go and Institute of Future Living are launching three permanent, year-round circular programs at this year's OSCE Days. Come share your ideas and help build your community at our Open Idea Jams under one of these broad themes:

- **10 June – OpenC** – Use open data and open source approach to implementing Industrial Symbiosis across the city
- **11 June – Hack-the-Shack** – No fellow human being should live in a shack. Calling all shack-tivists to join us think outside the box with circular techniques to address the shack and slum problem of the planet
- **12 June – Open Source Circular ecohome** – Help us build our open source, circular ecohome, with all successful designs open sourced and candidate for local manufacturing
- **13 June – Circular Thinking outside a Square Box** – Open Source, Circular Economy, Local Economies, Global Design Commons

Berlin, Germany



<http://community.oscedays.org/t/program-oscedays-berlin-2016/4597>

Ho Chi Minh City (Vietnam)

1:15 – Introduction to Open Source & Circular Economy – Quizz

1:35 – Talk 1: Open Source & Circular Economy business models

2:00

– Impact Cafe: Workshop 1 – Breakdown workshop: Open your air con!

– Meeting Room: Challenge 1 – How can we build a small eco village in Hieu Liem ward, Dong Nai?

3:30 – Talk 2: Sustainable style is the new fashion

3:50

– Impact Cafe: Break

– Rooftop Terrace: Self-built hydroponics demo

4:15

– Impact Cafe: Workshop 2 – Repair workshop: Fix my clothes!

– Makerspace: Workshop 3: Turn your old laptop into a chromebook

Why OSCE Day Ho Chi Minh? Why Fablab Saigon?

Vietnam is one of the fastest growing country, we produce a lot and we consume a lot. We manufacture for others and our 90+ million population has access to more goods everyday. As a developing country, we have to learn to leapfrog and jump straight to an economy model that is more sustainable not only locally but globally.

Fablab Saigon promotes the makers movement, which advocates for a new relationship to objects, from its fabrication to its disposal. In June 25th and 26th Fablab Saigon will be organizing the SEA Makerthon on the Circular Economy.

Bogota, Columbia

Alimentando la ciudad-Local es mejor



Tecnología para la inclusión



Movilidad Urbana



Indianapolis – 3D Printing with Bio-based Materials



<http://community.oscedays.org/t/report-oscedays-2016-indianapolis/5189>

Open Labs: Circular Cities – DIF & OSCEDays 11/2016



<http://community.oscedays.org/t/event-documentation-open-labs-circular-cities-dif-oscedays-11-2016/5566>

Actions we are working on

Bio-based & Biosphere

Business & Finance

Data & Code

Education & Communication

Energy

Food

Products & Objects

Materials

Packaging & Transport

Places & Spaces

Policy

Reuse Repair Recycle


Sharing

Textiles & Fashion


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Q & A with OSCE local organizers via Skype



Every second Saturday 4-6pm join us for the CCFI food pickup. Food demonstration, and community potluck. Bring a dish (optional)!







WHEN'S THE NEXT ONE?



For more information: food.kheprw.org or call (317)329-4803 ext.703


WHAT IS THE COMMUNITY CONTROLLED FOOD INITIATIVE?




Neighbors bring fresh affordable food to our community.

food.kheprw.org

HOW IT WORKS?



You pay \$12 and we use the collective buying power to get wholesale prices from local farmers.




Example of a share

WHAT DOES IT COST?




A vegetable share is \$25 and \$12 for individuals with EBT/SNAP. No matter what you pay; you get the same amount of produce.



Order online at food.kheprw.org or call (317)329-4803 ext.703 food@kheprw.org

WHEN AND WHERE?



Once a month (2nd Saturday) everyone gets together to pickup their box of produce starting in June 2016. Pickup will be at Kheprw Institute (3549 Boulevard Place).



Community Controlled Food Initiative

<http://kheprw.org/ccfi/>

Q & A with OSCE local organizers via Skype



A multi-saving and sharing project
<https://project.yunity.org/>



A library of things - a pioneer of sharing in a consumer society, founded by Maike Majewski and Nikolai Wolfert
<http://leila-berlin.de/>
<http://www.bbc.com/news/magazine-26764732>

Q & A with OSCE local organizers via Skype

Gien - Well Being Economy Festival I am co-organizing in Nov 2017. I plan to invite African Circular Economy Network (ACEN) so it may be a good match to invite OSCE community as well as ACEN community to event and do something together.

The conference and festival is about developing an economy based upon Well Being, at every level and every dimension. Hence it is aligned with SRG core values. One of things we want to do is have a network of global events and the focus is how the world can help uplift Africa. One way is by sharing design knowledge. So innovation out of the continent can be shared with African communities. This leverages our idea of cosmo-localization in which innovators working on important design innovations for Africa can share those with the people of

<http://stopresetgo.org/>

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 - *Presented by Mimi Zakem, CCFI Program Coordinator*
- Other success stories in Indiana
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Sustainable Agriculture - Indiana



Big City Farms in Indianapolis.

<http://sustainableindiana2016.org/farm-works-indy/>



The Brother's Keeper garden in Gary.

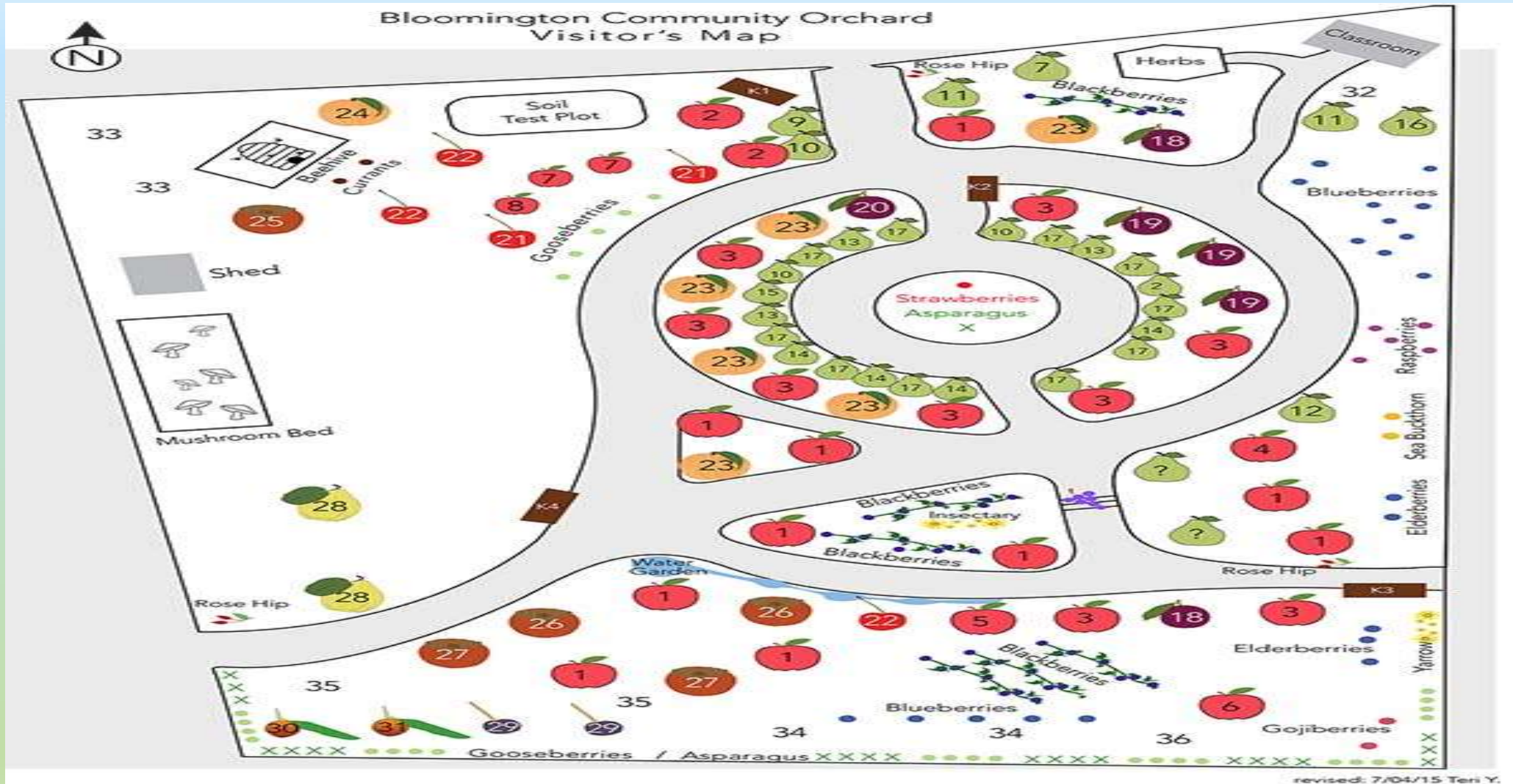
[Gary IN -federal-initiative-to-eliminate-food-deserts/](http://gary.in.gov/federal-initiative-to-eliminate-food-deserts/)

Reuse

Nourish

Socially good

Sustainable Agriculture - Indiana



Bloomington Community Orchard

<http://www.bloomingtoncommunityorchard.org/site/about/>

Red Giant - Lafayette, IN

Sustainable Agriculture

Socially good

Nourish



Wind Farms – Benton County, IN

Clean Energy

Socially good

Renewable



97 new jobs in the county at an average pay of \$40,000 with good benefits and paid vacation days

<http://www.benton4biz.com/tours>

Solar Projects – Bloomington, IN

Clean Energy

Socially good

Renewable



Sun Flower Sculpture at Harmony School

<https://www.sirensolar.org/>



Clean Transportation - Indianapolis

Socially good

Renewable



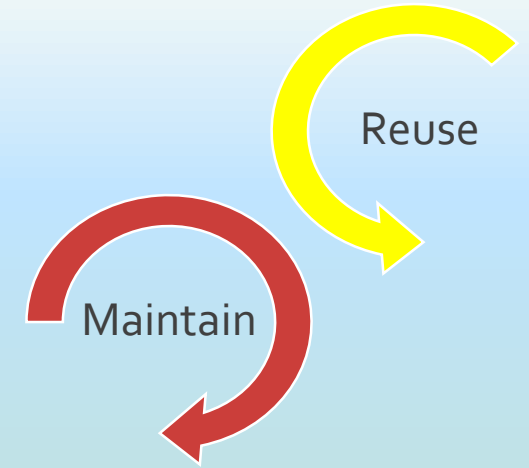
<https://www.blue-indy.com/>



<http://www.indygo.net/electric/>

Impressive Prototypes LLC – Indianapolis

Sustainable Manufacturing

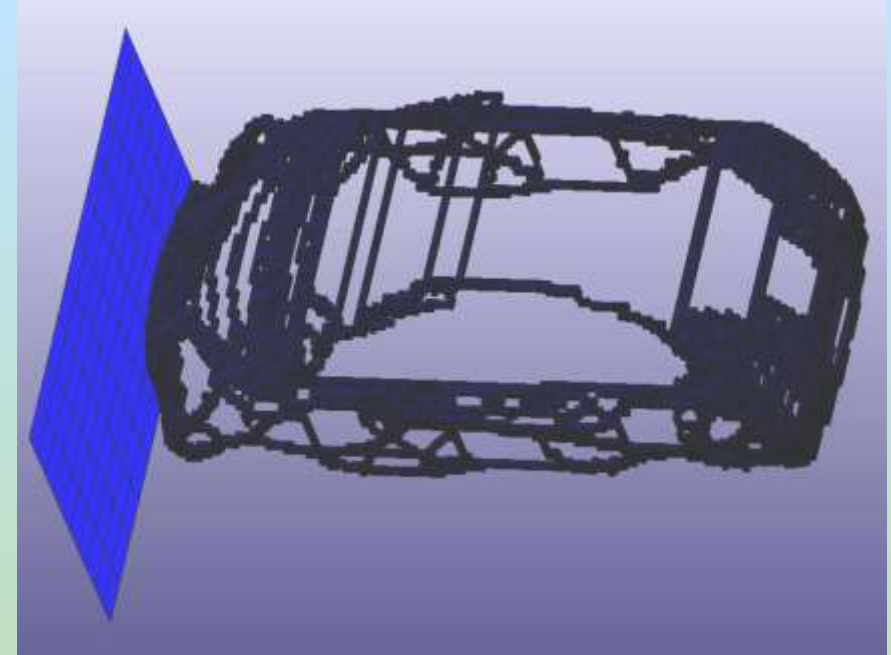
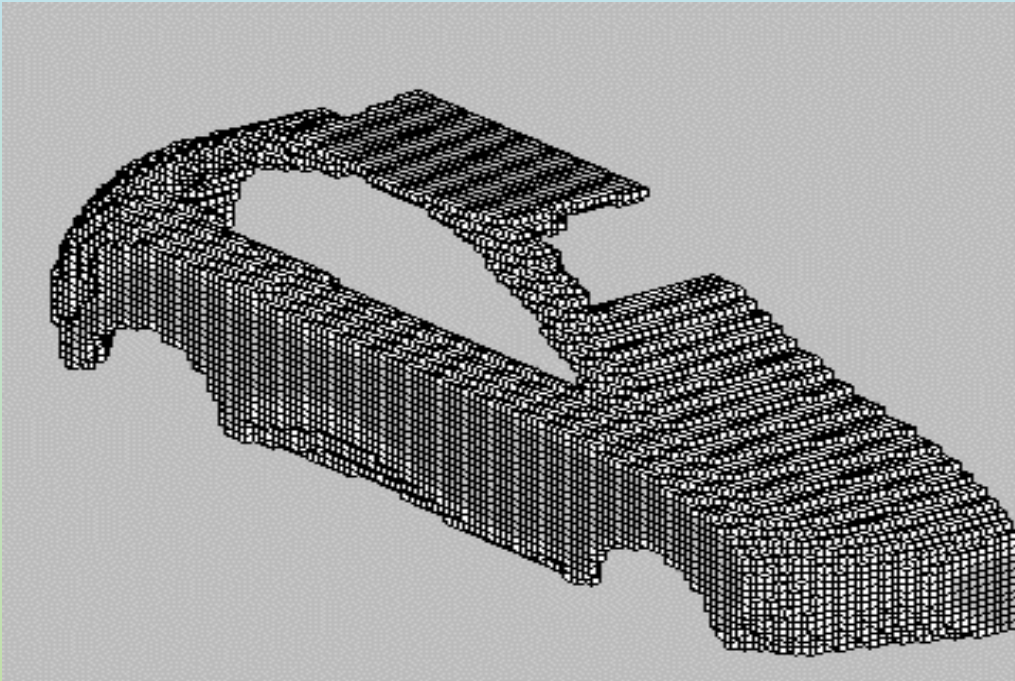


<http://www.impressiveprototypes.com/>

Department of Mechanical Engineering IUPUI – Indianapolis

Sustainable Manufacturing

LITECAR Challenge 2015
Aerodynamic water droplet with strong
lightweight bone structure



[Andres Tovar, PhD - Engineering Design Research Laboratory](#)

Sustainable Manufacturing - Indianapolis



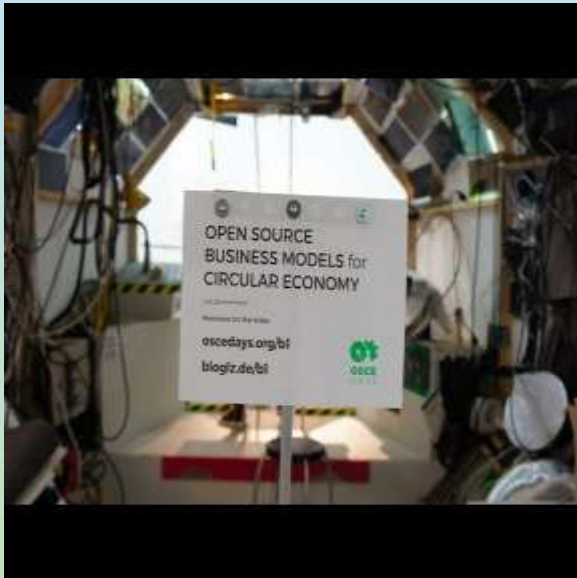
<http://www.indyruckus.com/>



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Actions for 2017 - Indianapolis



Actions for 2017 - Indianapolis

Action Recipes

-

Open Step by Step guides to create local Open Source Circular Economy solutions in your city | [Add One](#)

-

ACTION – [Run A Workshop On Open Source Business Models for Circular Economy](#)

ACTION – [Create A Hackathon Exploring An Open Modular Grid](#)

ACTION – [Work Openly On An Individual Local Challenge](#)

ACTION – [Prototype A Circular Product With Co-, Re- & Mod-](#)

ACTION – [Set Up A Circle Dinner To Connect Local Stakeholders](#)

Actions for 2017 - Indianapolis

- Select one or several actions that are most useful to you
- We will schedule several workshops at KHEPRW to work on your selected actions
 - First workshop March 2017
 - Need your first actions by Feb 28th
- Use OSCEdays community's knowledge and support
- Share our results with OSCEdays community
- Set the foundation for new enterprises in Indy owned and run by you

Thank you!

Let's work together to make Indy a circular city and an OSCE hotspot

Join the Open Source Circular Economy Forum

<http://community.oscedays.org/>

Local organizer:

Silvia Leahu-Aluas [silvia\[at\]sustainablemanufacturing.biz](mailto:silvia[at]sustainablemanufacturing.biz)

