



Green HeartBeat



Circular Change

Circular economy & education

MSc. Marco Segovia Bifarini

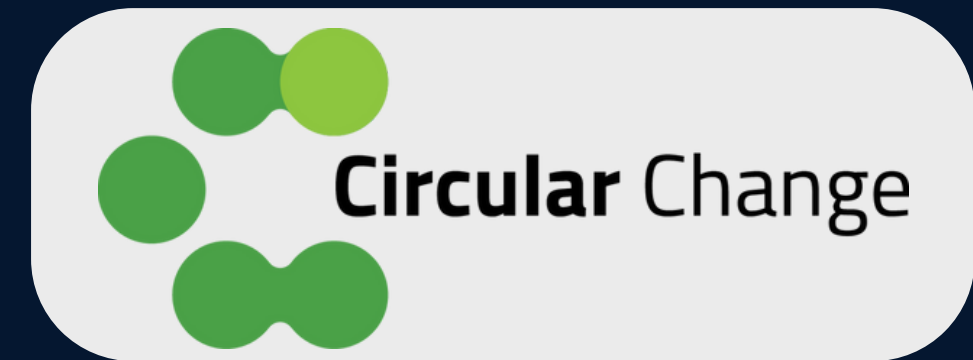


Who?

MSc. Marco Segovia Bifarini



Green HeartBeat



**Environmental engineer & circular
economy expert**

marco@circularchange.com

Circular Economy is...





**Is the circular
economy enough to
make our world
sustainable?**



Linear model and a need for circularity

**And... Why is
linearity a problem?**



A linear economy

A NEED FOR CIRCULARITY

12% Materials used in the EU come from recycling

+90 tonnes of materials are extracted and processed, including plastics, textiles, food, electronics.

x2 Global consumption of materials in the next 40 years

+70% Annual waste production by 2050

A landscape photograph showing multiple layers of mountains receding into the distance. The sky is a soft, hazy mix of pink, orange, and light blue, suggesting a sunset or sunrise. The foreground is a dark, silhouetted ridge of a forested hill. The text "Multilayered issue" is centered in a large, white, sans-serif font, with "Multilayered" on the top line and "issue" on the bottom line.

Multilayered issue



**We can't
recycle our
way out of
this?**

The circular paradigm

A NEED FOR SYSTEMIC TRANSITION

SYSTEMS THINKING IS ...

“... a **holistic** approach to analysis that focuses on the way that a system's constituent parts **interrelate** and how systems work over time and within the context of larger systems.”



Source:

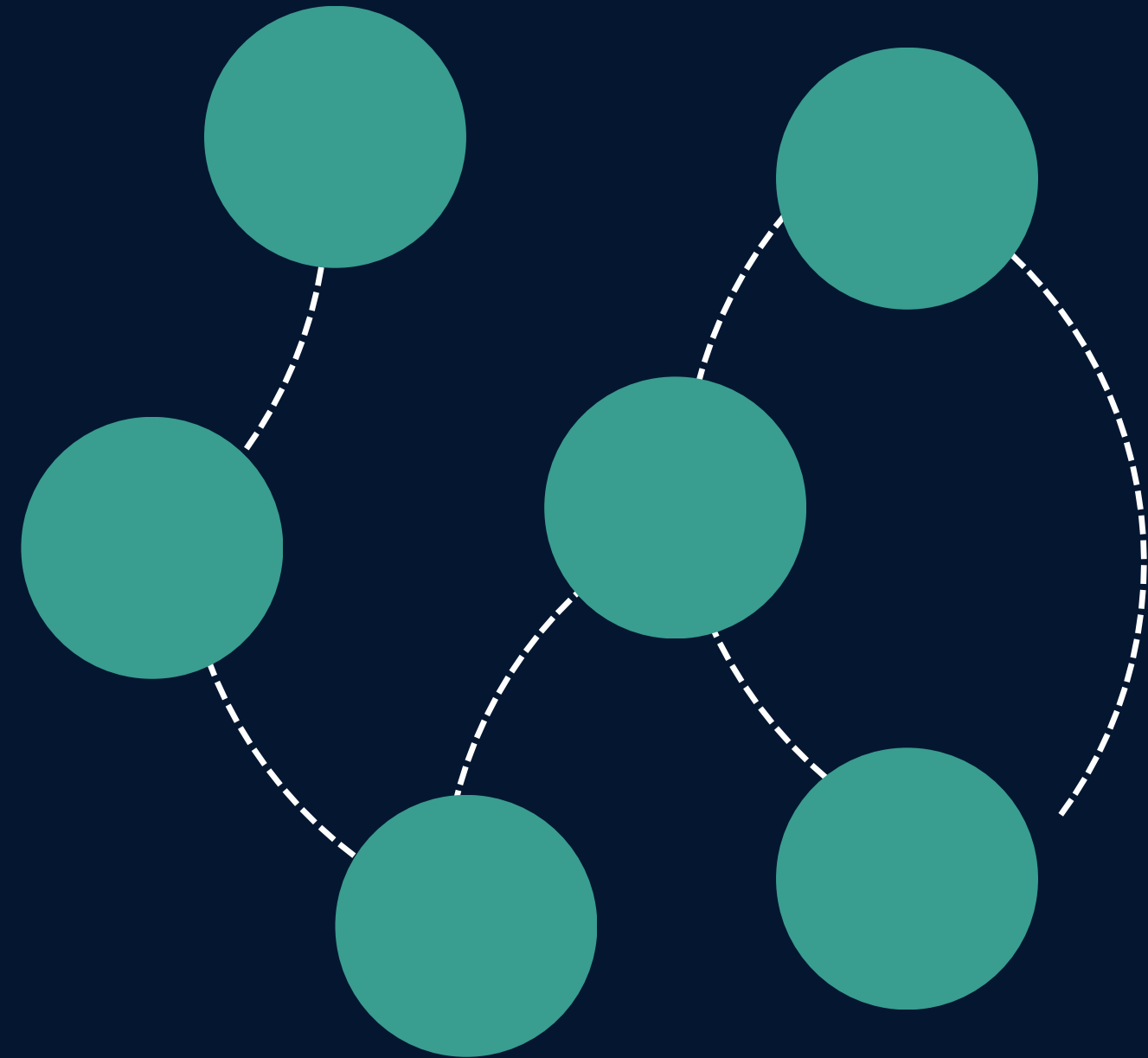
<https://www.fawco.org/global-issues/environment/environment-articles/4561-thinking-in-systems-with-donella-meadows-for-the-future-of-our-planet>

The circular paradigm

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We need to regenerate



9 R's of the circular economy

Refuse

Repurpose

Reduce

Remanufacturing

Rethink

Reuse

Recycle

Repair

Recover

CE & education curricula

PHD & RSARCH

UNIVERSITY

HIGHSCHOOL & PROF. SCHOOLS

KINDERGARTEN



INTEGRATE CIRCULARITY

CE & education curricula



ARTS

SCIENCES

ENGINEERING

ECONOMY

**SOCIAL
SCIENCES**

INTEGRATE CIRCULARITY

Summer Schools & other courses

SEB SCHOOL OF ECONOMICS AND BUSINESS

Circular Change

ECOTOPIA **Circular economy**

In collaboration with:

PS Lifestyle **CENTER 19G** **A1**

Summer Schools & other courses



Adults and professionals

Engaging Youth in a Digital Green Future

Co-funded by the European Union

DARNOJE - KDETYD - MLMDC - INERCIA DIGITAL SL

darnoje | KDETYD 2020 | MLMDC MINORITY & LOCAL DEVELOPMENT CENTER CENTAR ZA RAZVOJ MANJINSKIH (LOKALNIH) MEDIA | inerciadigital

The cover features a bright yellow background with green icons representing sustainability (recycling, sun, leaf, house, bicycle) and a city skyline at the bottom. A small logo in the top left corner reads 'Engaging Youth in a Digital Green Future' with a wind turbine icon.



CE and lifestyle



CARBON FOOTPRINT CALCULATOR



PS Lifestyle

TEST YOUR LIFESTYLE HERE

The central graphic features a photograph of two young women in a city street, one with a bicycle. The text 'CARBON FOOTPRINT CALCULATOR' is at the top in green. The 'PS Lifestyle' logo is overlaid on the bottom of the photo. A green button at the bottom contains the text 'TEST YOUR LIFESTYLE HERE'.



**Let's co-create the future of
circularity!**

-  [**www.circularchange.com**](http://www.circularchange.com)
-  [**marco@circularchange.com**](mailto:marco@circularchange.com)
-  [**www.linkedin.com/in/mar
co-segovia-msc/**](https://www.linkedin.com/in/marco-segovia-msc/)