DAWN OF CHANGE*

rumeysceylan@gmail.com

www.codalooptr.org

linkedin.com/in/rumeysaceylan

RUMEYSA CEYLAN | TURKEY

PROBLEM DEFINITIONS: 1| RESOURCE HUNGRY CITIES. 2| THE POWER OF INDIVIDUAL IS QUITE NEGLECTED. 3|"SMART CITY' CONCEPT IS GENERALLY LINKED TO "TECHNOLOGY": IMPORTANCE OF SOCIAL DIMENSION RISES. RESEARCH QUESTIONS: 1| COULD INDIVIDUAL ENERGY CONSUMPTION BEHAVIOR AFFECT SOCIETY'S CONSUMPTION CULTURE? 2| HOW CAN ENERGY-EFFICIENT CYCLE BE CONSTRUCTED BETWEEN INDIVIDUAL, COMMUNITY, AND POLICY?

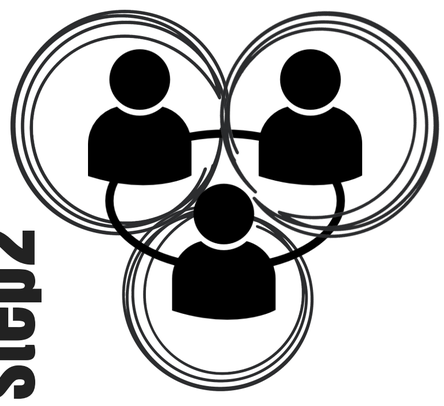
YOU DON'T NEED SUPERPOWERS YOU ALREADY HAVE THE POWER TO CHANGE THE WORLD

BE A SMART CITIZEN

step1

CALCULATE YOUR ENERGY SCORE AND SHARE WITH YOUR COMMUNITY THROUGH SMART DEVICES.

"FOUR DOMAINS OF ENERGY EFFICIENT LIFESTYLE ARE OPERATIONALLY MEASURED THROUGH ENERGY CALCULATOR VIA SMART PHONE COMPATIBLE WEB-BASED PLATFORM; DWELLING, URBAN MOBILITY, LEISURE, AND FOOD."



step2

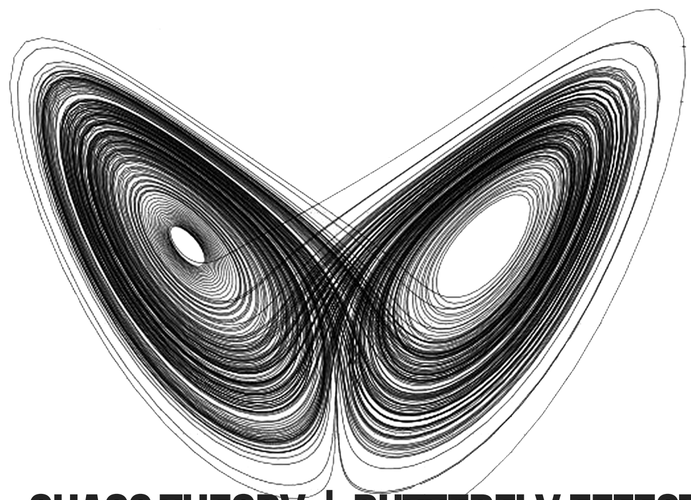
LEARN HOW TO REDUCE YOUR ENERGY: INDIVIDUAL TO COMMUNITY FEEDBACK LOOPS.

"THE ENERGY USE AND BEHAVIORAL QUESTIONNAIRE DATA OBTAINED FROM THE PLATFORM TO UNDERSTAND THE BEHAVIORAL PATTERNS OF DIFFERENT USER GROUPS AND DESIGN THE USER FEEDBACK STRATEGY."

step3

JUST MAKE A SHIFT IN YOUR LIFE: ENERGY EFFICIENT LIFESTYLE

"THIS POSTER FOCUSES ON 'INDIVIDUAL TO COMMUNITY FEEDBACK LOOPS' AND IN THIS CONTEXT, HOW INDIVIDUALS LEARN TO REDUCE THEIR ENERGY CONSUMPTION TOWARDS AN ENERGY EFFICIENT LIFESTYLE WITH TECHNOLOGICAL INNOVATION TOOLS, IN FOUR DOMAIN."



CHAOS THEORY | BUTTERFLY EFFECT

"SENSITIVE DEPENDENCE ON INITIAL CONDITIONS"[3]

"SMALL ACTIONS CAN HAVE LARGER EFFECTS": CHANGING THE BEHAVIOR OF AN INDIVIDUAL'S ENERGY CONSUMPTION ON ONE SIDE OF THE WORLD CAN CAUSE SMALL CHANGES IN THE BEHAVIOR OF THE ENERGY CONSUMPTION OF THE COMMUNITY, WHICH CAN REDUCE THE WORLD'S LEVEL OF ENERGY CONSUMPTION.

PLEASE READ QR CODE TO WATCH ANIMATION OF OPERATIONAL MODELING OF INDIVIDUAL TO COMMUNITY FEEDBACK LOOPS.

*The methodology of this poster is based on the extensive literature review carried by the CODALoop (Community Data-Loops for energy-efficient urban lifestyles) International Project Team: University of Amsterdam (UvA), Yildiz Technical University (YTU), Graz University of Technology (TUGraz) and P1M1. Also, CODALoop project is funded by EU EraNET Smart City Programme and supported by TUBITAK, project code: 116K011.

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