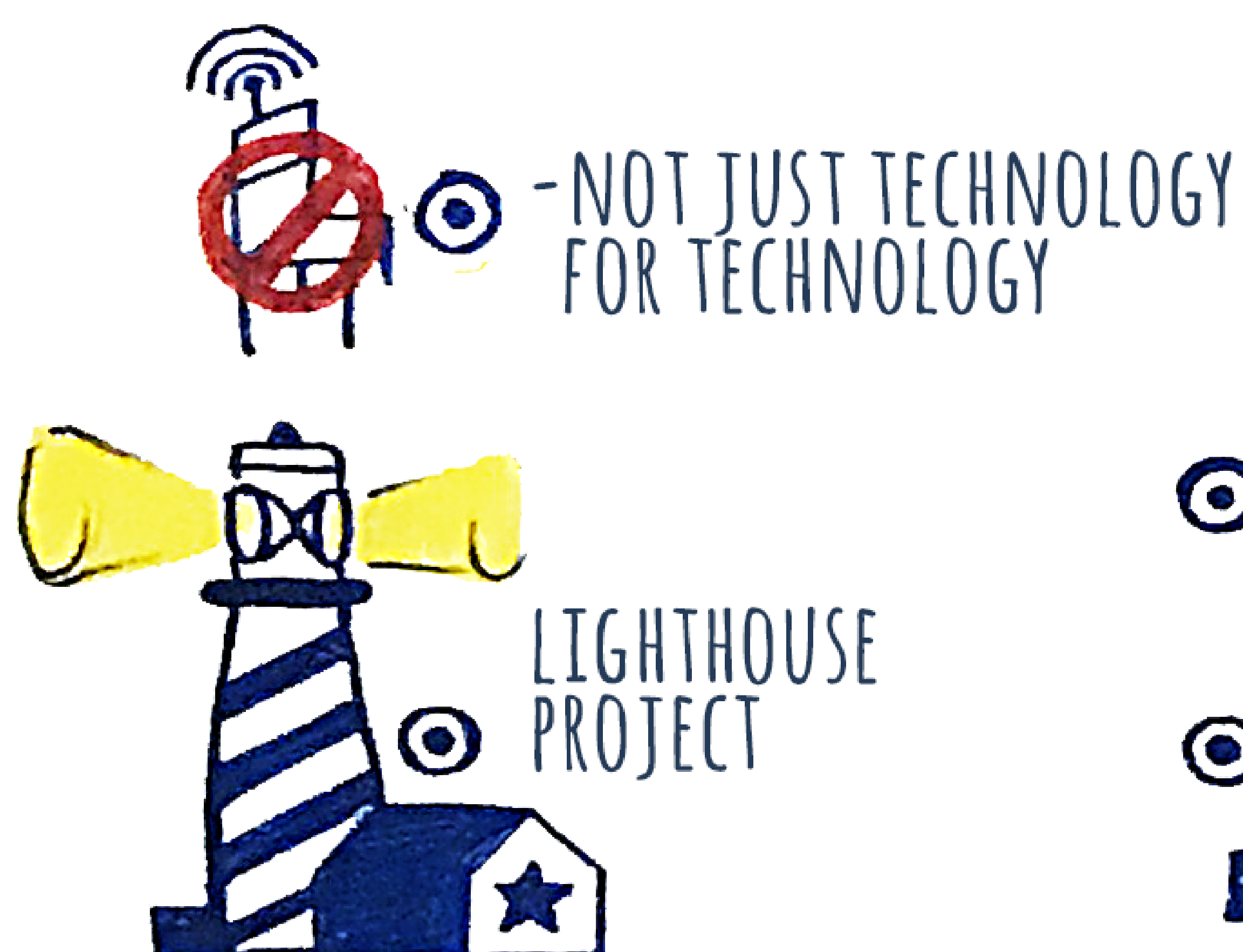
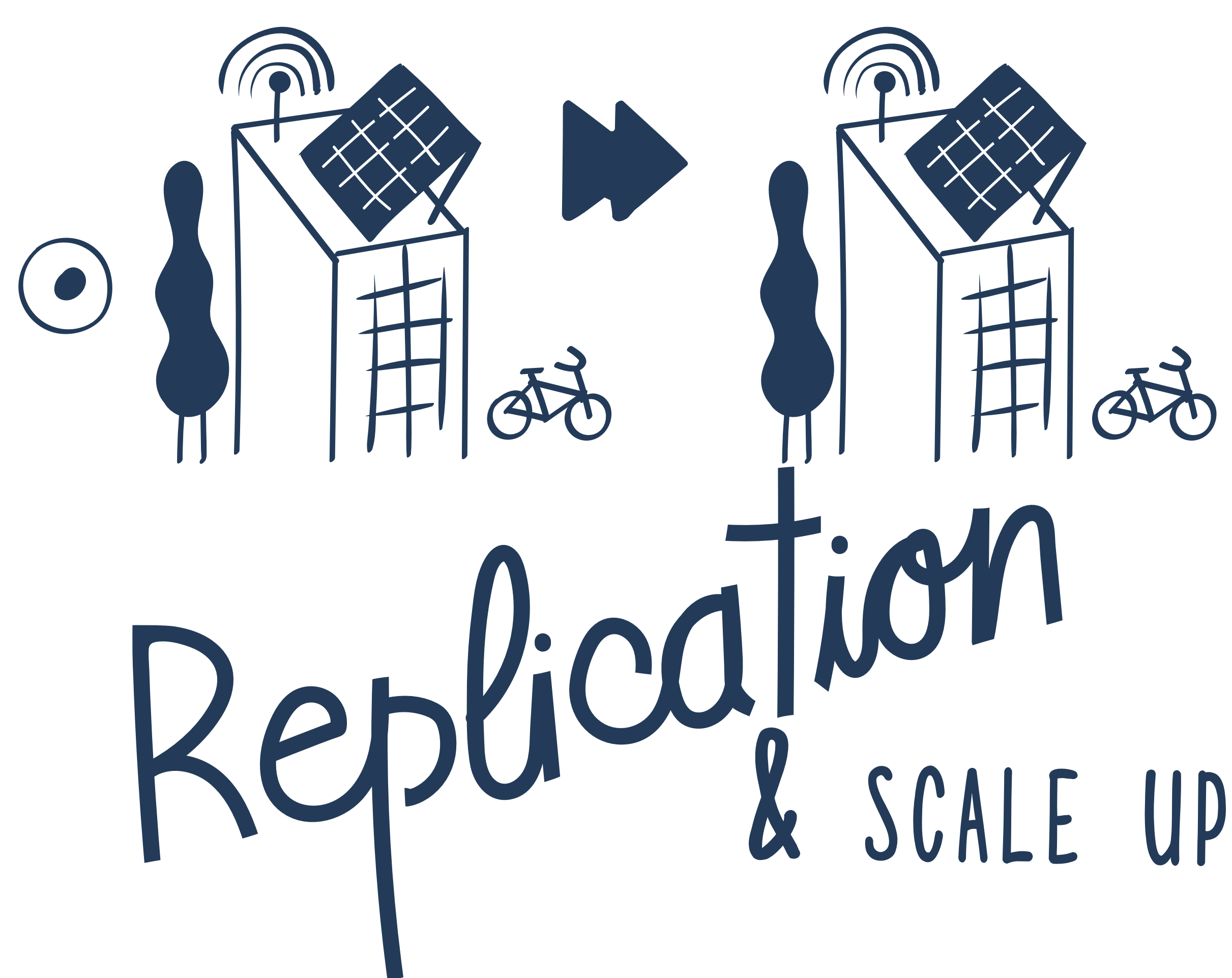
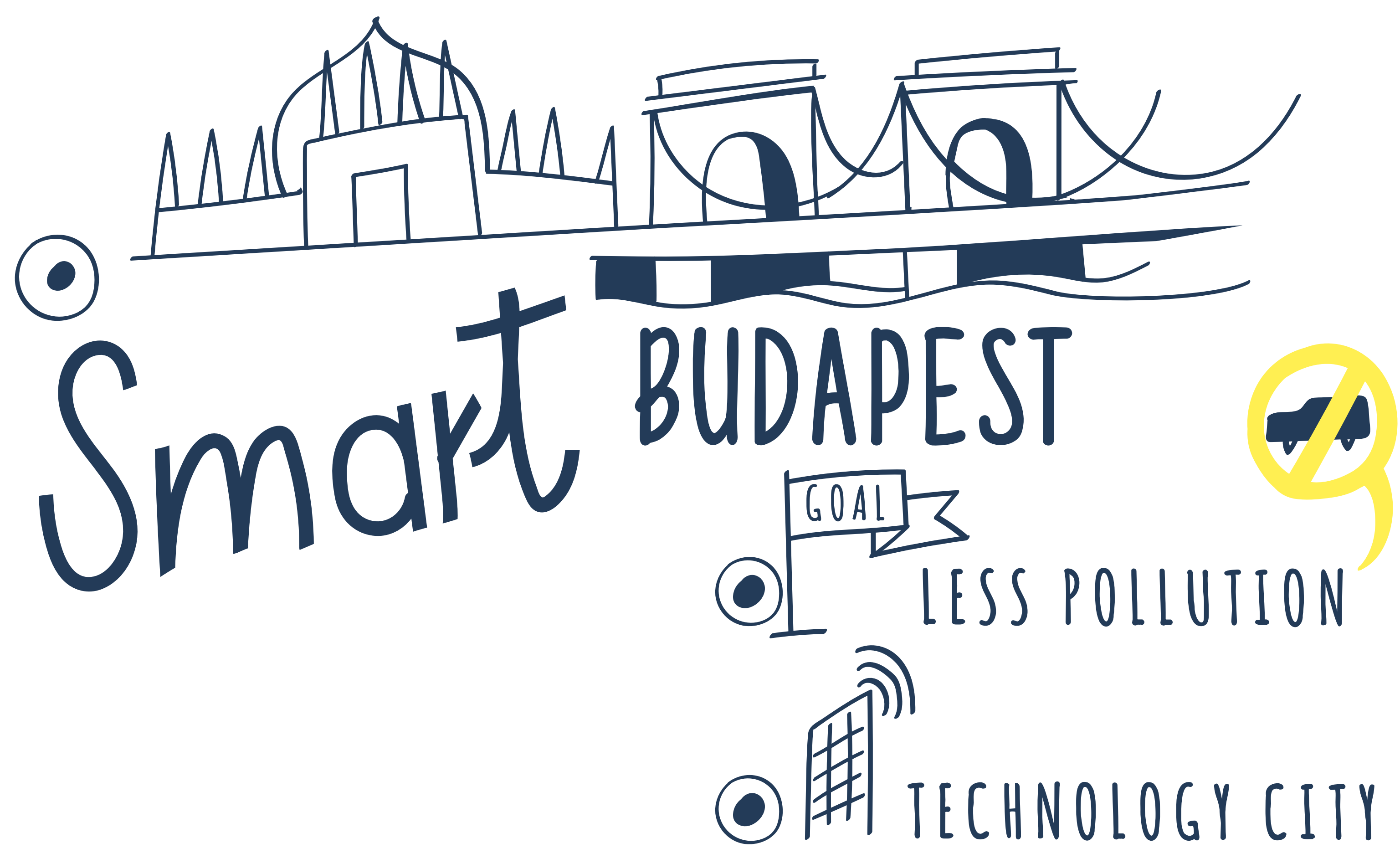




EMPOWERING SMART SOLUTIONS FOR BETTER CITIES



WHAT DO YOU FEEL PASSIONATE ABOUT THAT BROUGHT YOU HERE?





* By **USMAN HAQUE**

ARCHITECT
UMBRELLIUM
PROJECT



Engaging CITIES



WE TALK
ABOUT
PEOPLE



EMBRACE
UNPREDICTABILITY



MUCH MORE
THAN BUILDINGS



RISK OF WASTE
PUBLIC MONEY

& FEAR



MEASURING
ENGAGEMENT:

SMART C. = ENGAGED C.

- CONNECT PEOPLE
- MAKE PEOPLE WORK TOGETHER
- MAKE PEOPLE DECIDE
- INVOLVE PEOPLE MAKING DECISIONS ABOUT DECISIONS

- ABOUT: INTERACTION
CONVERSATION

NOVELTY



USE TECHNOLOGY
TO CONNECT PEOPLE.



WE DESIGN
EXPERIENCES



FOR PEOPLE
PARTICIPATION
& ENGAGING



TRYING TO DO
MEANINGFUL LASTING
IMPACT.

MEASURING
TECHNOLOGY



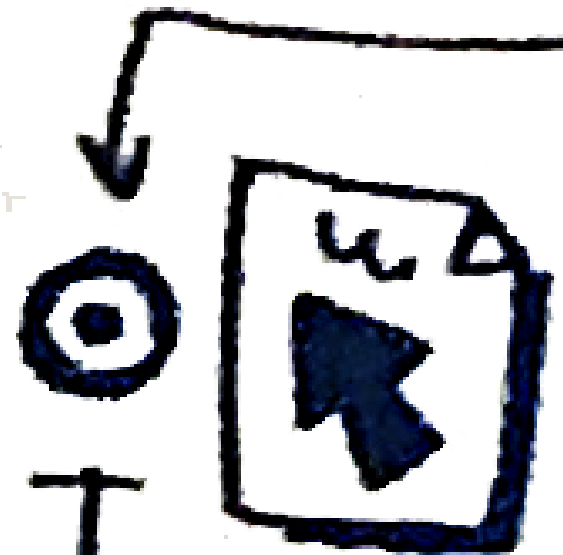
PANEL

Making

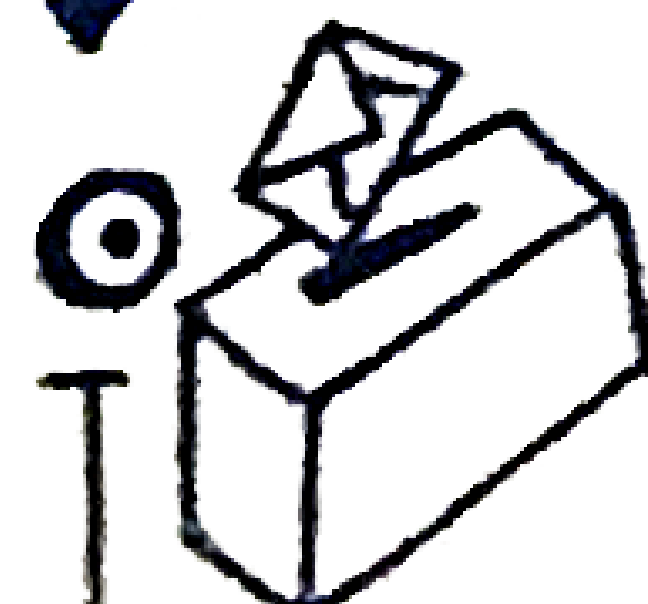
OF A SMART CITY:



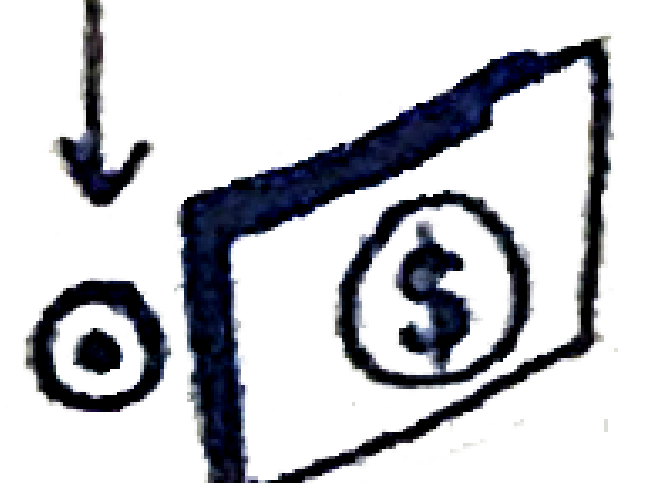
WE ASKED
CITIZENS
TO COMPLAIN



THEN WE ASKED
PEOPLE TO DESIGN
SOLUTIONS

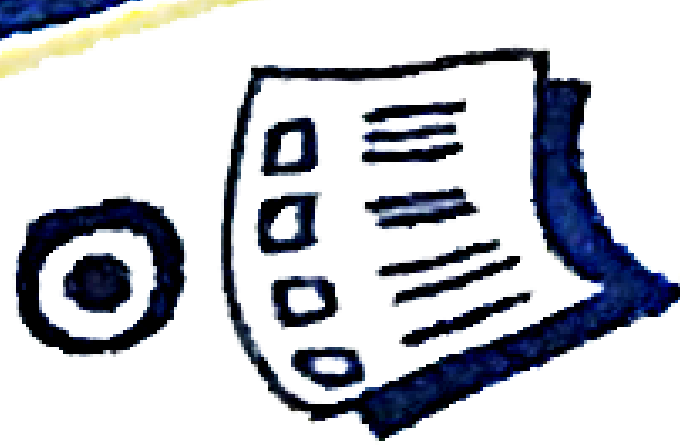


THEN WE ASKED
TO VOTE BEST
PROJECTS

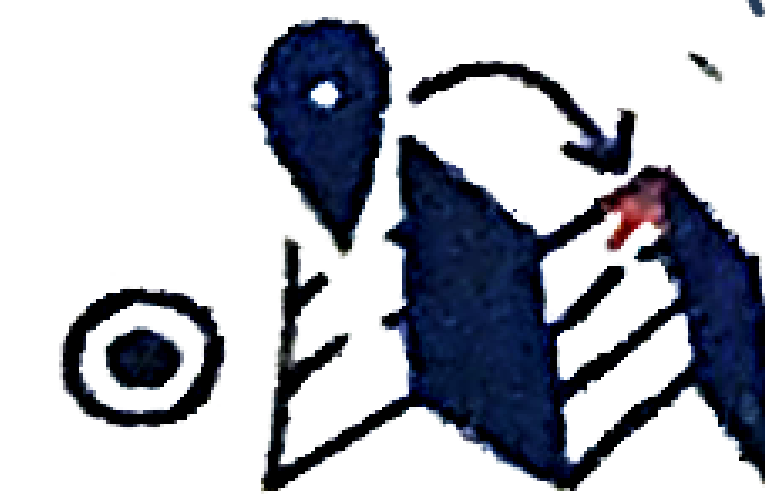


INVOLVE PEOPLE
IN BUDGET BY
VOTING

COLLABORATION
WITH CITIZENS



FIND CHANNELS
OF COMMUNICATION
(SURVEYS, WEBSITE...)



DESIGN &
APPLY A
ROADMAP



MIND ALL
FACTORS::

MOVILITY
GOVERNANCE
ECONOMY
ENVIRONEMENT
LIVING
PEOPLE

@ARRIBASTONI

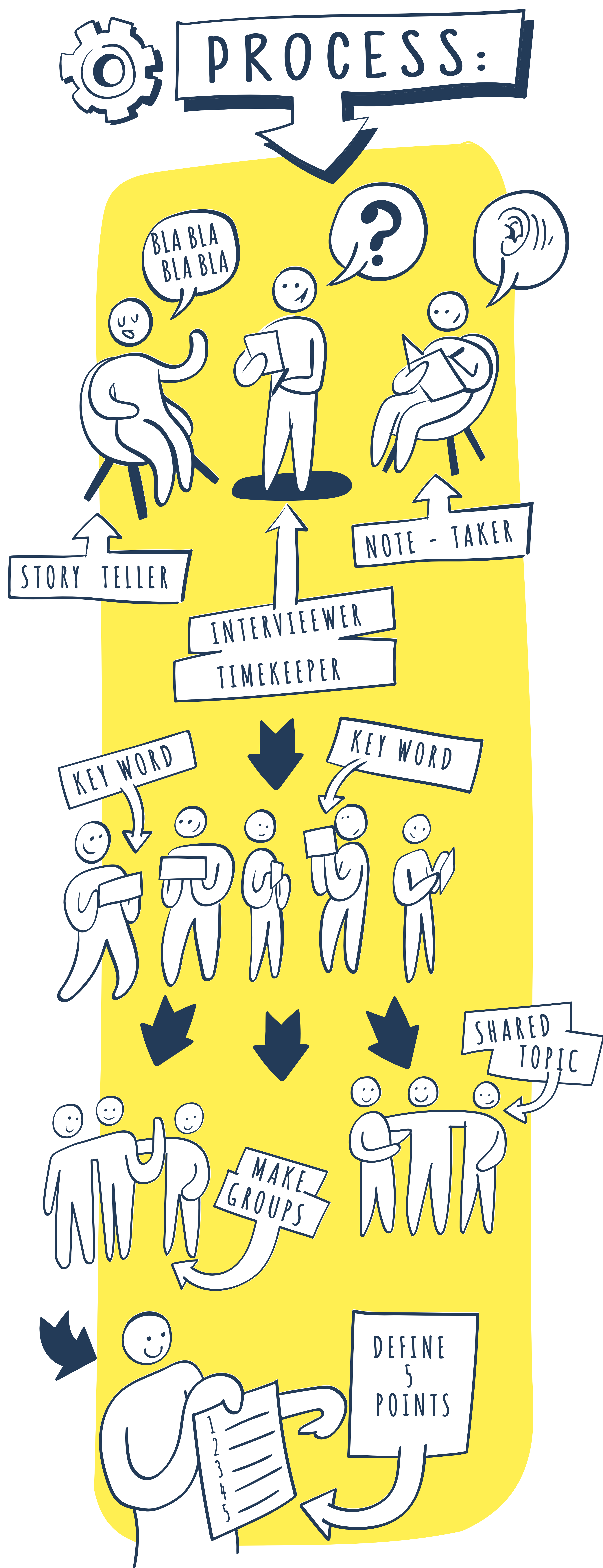
@SIMPLYDRAWITBIG



Key factors

FOR
SUCCESS:

INTERACTIVE SESSION





- ⦿ SOLID BUSINESS PLAN
- ⦿ RIGHT MONETARIES INCENTIVES
- ⦿ KPI'S
- ⦿ LIFECYCLE COST



- ⦿ COOPERATION FROM THE BEGINNING
- ⦿ WELL PREPARED CONSULTATION
- ⦿ LONGTERM VISION
- ⦿ COOPERATION DIFFERENT DEPARTMENTS



- ⦿ MUTI STAKEHOLDERS
- ⦿ EXCHANGE INFO
- ⦿ SUITABLE LANGUAGE
- ⦿ REACH RIGHT AUDIENCE



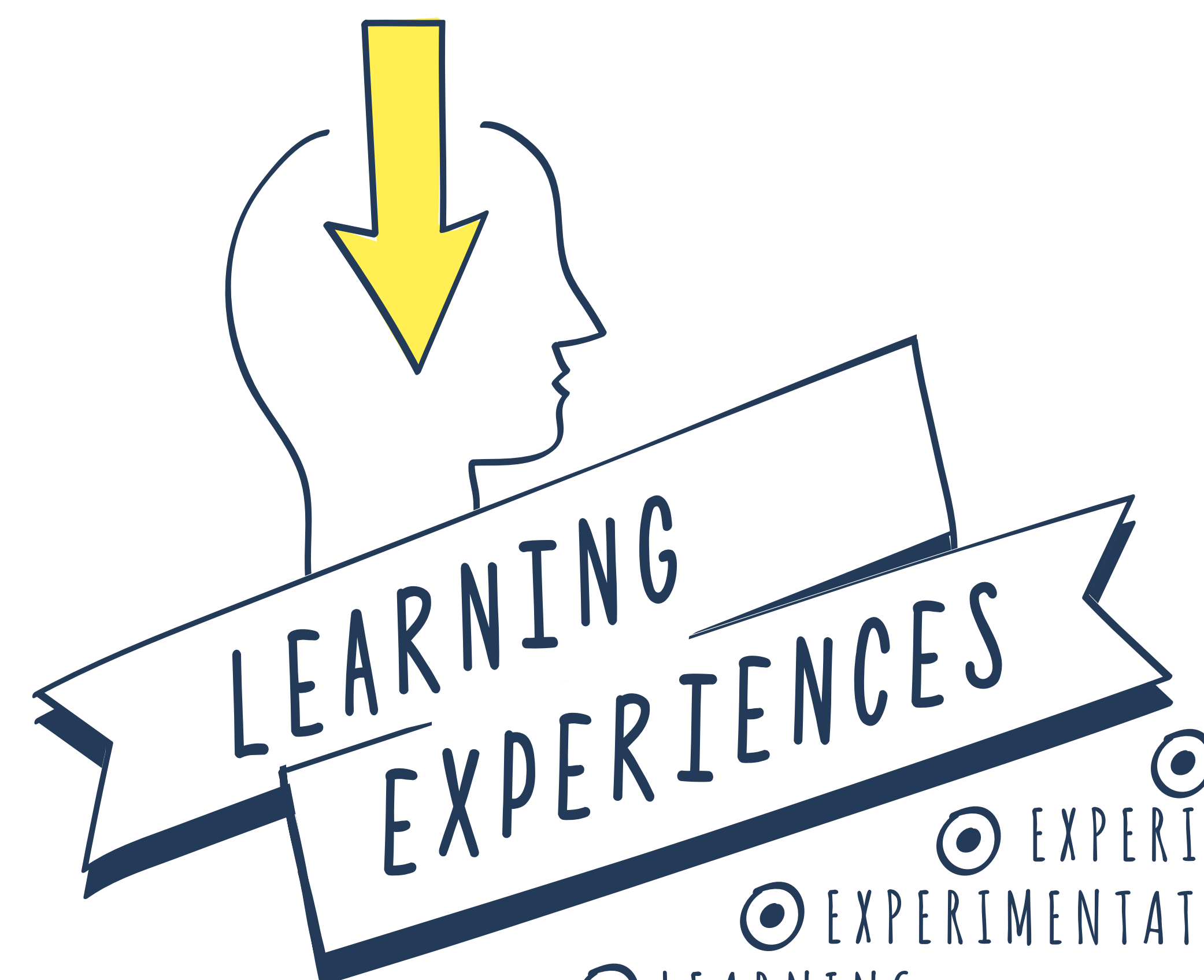
- ⦿ DIRECT EXCHANGE EXPERIENCE
- ⦿ PILOT PROJECTS
- ⦿ TRANSFORM LOCAL ENVIRONEMENT
- ⦿ LOCAL KNOWLEDGE
- ⦿ KPI'S



- ⦿ DOCUMENTING
- ⦿ STUDY NEW MARKET
- ⦿ ADAPT THE FEATURES



- ⦿ OPENNESS
- ⦿ MULTIPURPOSE USE
- ⦿ COOPERATION
- ⦿ POSITIVE THINKING
- ⦿ SOLUTION DRIVING



- ⦿ EXAMPLES
- ⦿ EXPERIENCES
- ⦿ EXPERIMENTATION
- ⦿ LEARNING
- ⦿ PLANNING



- ⦿ OPEN TO UNPLANNED REPLICATION
- ⦿ OUT OF THE BOX
- ⦿ GOOD TIMING TO STAKEHOLDERS
- ⦿ STORYTELLING SOLUTIONS & PROCESS
- ⦿ INTERDISCIPLINARY
- ⦿ FROM THE COMMUNITY



- ⦿ INFORMATION
- ⦿ LANGUAGE
- ⦿ TIME
- ⦿ VISION
- ⦿ INVOLVEMENT



- ⦿ SHIFTING ROLES
- ⦿ PHASE OUT RULES
- ⦿ RULES OF INTERACTION
- ⦿ ICE BREAKERS
- ⦿ PRE-EXISTING INTEREST



- ⦿ RELEVANT BENEFITS
- ⦿ JOINED DEVELOPMENTS
- ⦿ POLITICAL SUPPORT
- ⦿ VISIBILITY
- ⦿ SELF-SUSTAINABLE

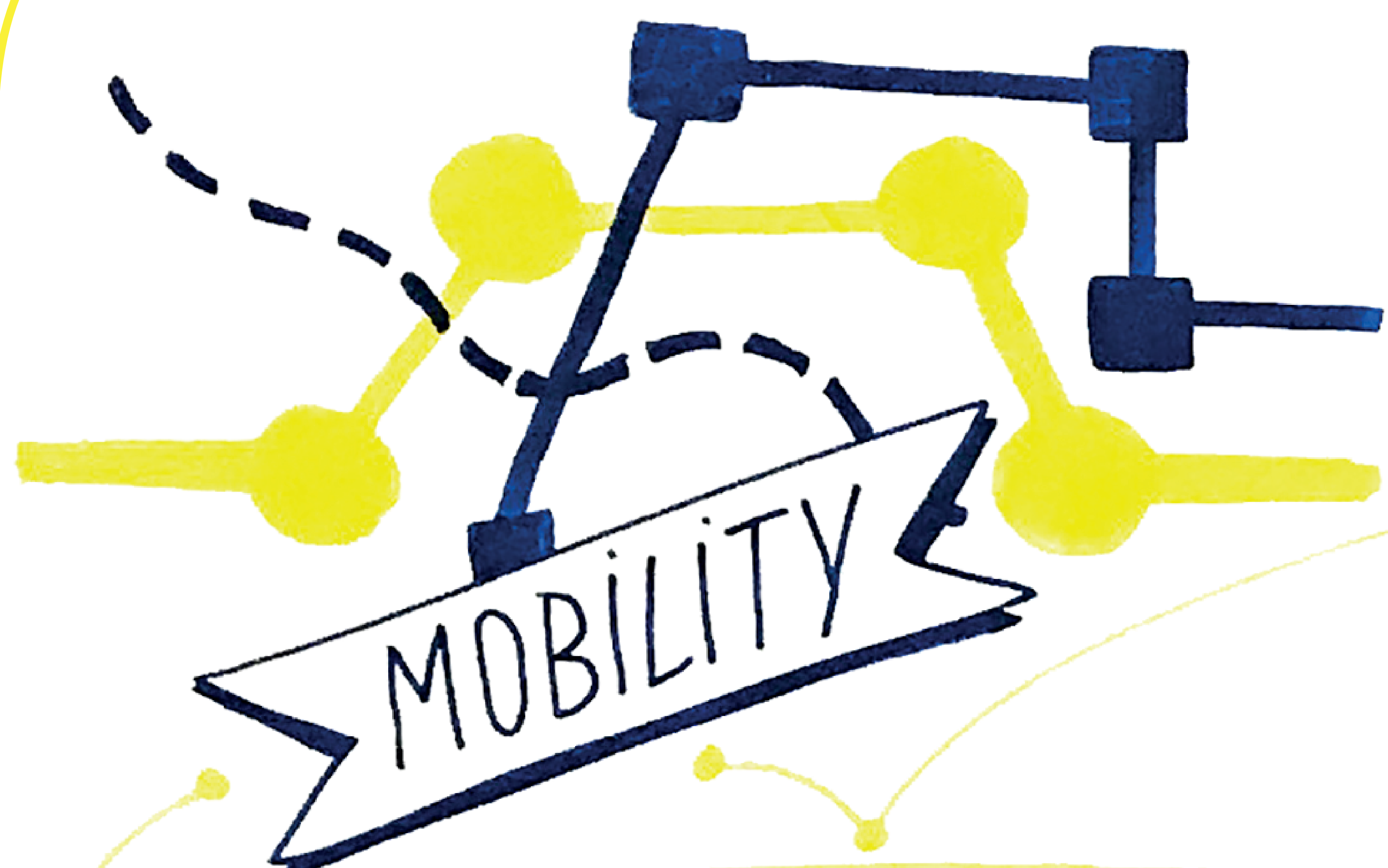


- ⦿ FORESIGHT
- ⦿ PARTNER SELECTION
- ⦿ PROSUMERS
- ⦿ SOCIAL MEDIA
- ⦿ ORGANIZATION



- ⦿ START WITH CITIZENS
- ⦿ SEEN AS VALUE
- ⦿ SUSTAINABLE
- ⦿ FIT LOCAL CONDITIONS
- ⦿ INDIVIDUAL COMMITMENT

Good Practice Success Stories:



BIG DATA

HELPS ADDRESSING MOBILITY CHALLENGES

➔ SHORT TERM: STUDDING BEHAVIOR

➔ LONG TERM: PLANNING

! FREE WIFI HELPS COLLECT THE DATA



TRACE

🎯 MONITORING CHILD BEHAVIOUR

★ TRAFFIC & POLLUTION

★ INFORMING SCHOOL & MUNICIPALITY



TRACE BICYCLE

★ MONITORING BEHAVIOR, TRAFFIC & POLLUTION



LIVING

PEOPLE



ROADSHOW

CREATING THE ROOTS FOR A SUSTAINABLE CITY



SMARTICIPATE

OPEN DATA BASE

📍 HAMBURG, LONDON, ROME

👉 MADE BY CITIZENS

★ OPEN TO GOVERNMENTS

★ DATABASE OF INITIATIVES

★ ENVIRONEMENT COMMUNICAION BUILDING PASSION

👉 CITIZENS OWNERSHIP

★ TRANSPORT LOCAL



SMART LONDON

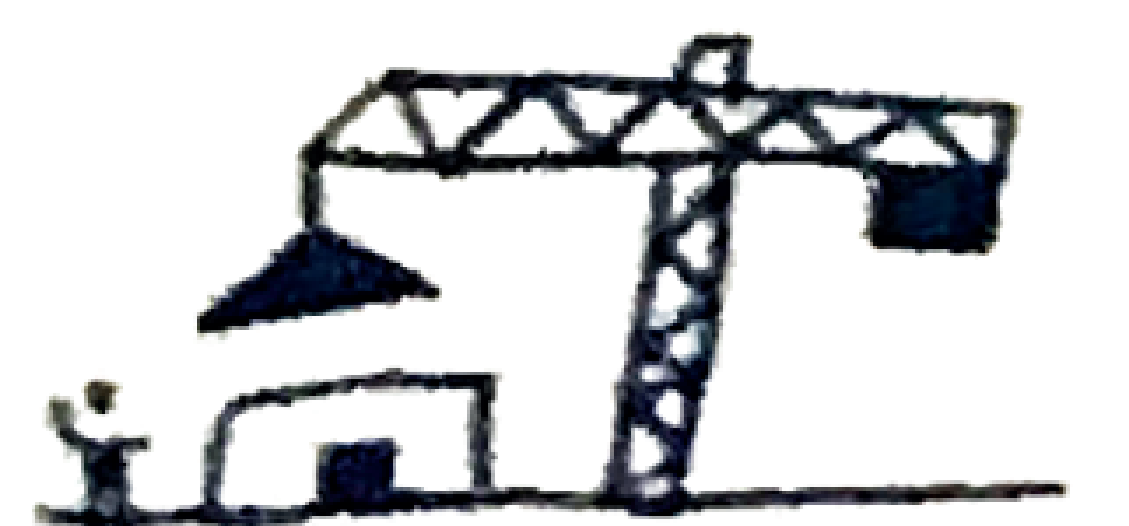


🎯 STOP "UBERIZATION" COOPERATIVE CITY PROMOTED AS BRAND REVENUES INTO LOCAL ECONOMY



SMART SOCIETY ACADEMY

★ TRAINING FOR PROFESSIONAL BY PROFESSIONALS



SMART RENOVATION EU-GUGLE

- ★ ENERGY SAVINGS
- ★ FINANCING MODELS!!!
- ★ INVOLVE CITIZENS & FLAT OWNERS



GROWSMARTER 12 ENERGY FOCUSED SOLUTIONS

- STOCKHOLM
- ★ FOSSIL FUEL FREE BY 2040
- ★ NOTTINGHAM REPLICATING
- COLOGNE
- ★ IMPORTANCE OF AGREEMENT WITH CITIZENS

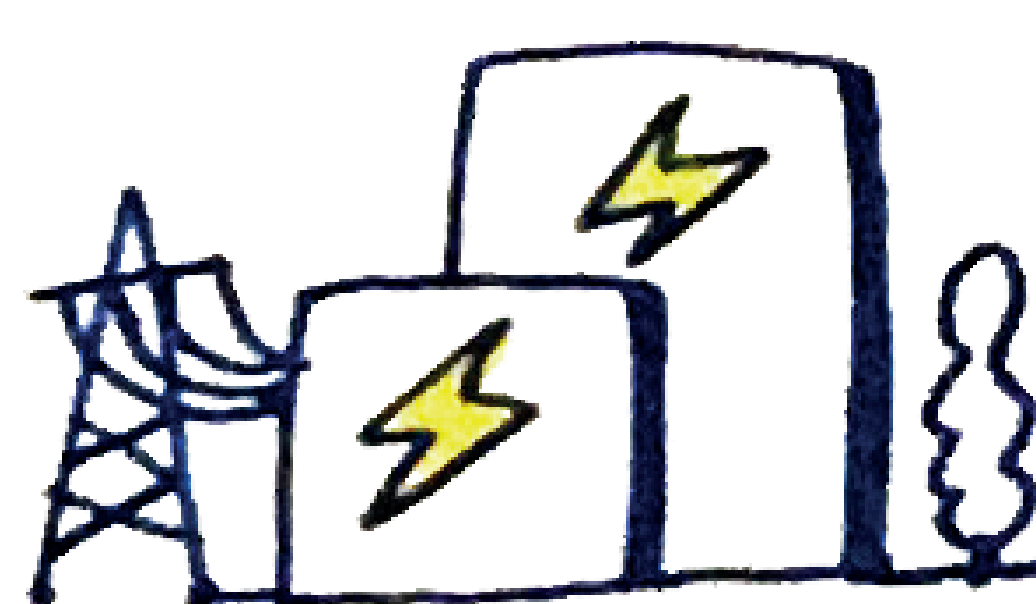
● BARCELONA

- ★ SMART DELIVERY METHODS
- ★ BEING EXTENDED!



BEE FARM

- GYOR
- ★ MADE BY TRAINED WORKERS
- ★ INVOLVING KIDS
- ● INCREASE BEE POPULATION



MY SMART LIFE

- ● INTEGRATED SYSTEM FOR GENERATING & STORAGE OF GREEN ELECTRICITY
- ★ NEW SERVICES
- ★ E-BUSES
- ★ PUBLIC LISTING
- ★ SELF CONSUMPTION



NEXT BUILDINGS INTERNATIONAL COOPERATION PROJECT

- LYON
- SUSTAINABILITY
- ★ 3 DIFFERENT KINDS ENERGY SOURCES
SOLAR GROUND WATER
BIO MASS
- ★ MONITORING BUILDINGS POSITIVE ENERGY



WATERNET

STORAGE OF HOT & COLD WATER IN AQUIFERS

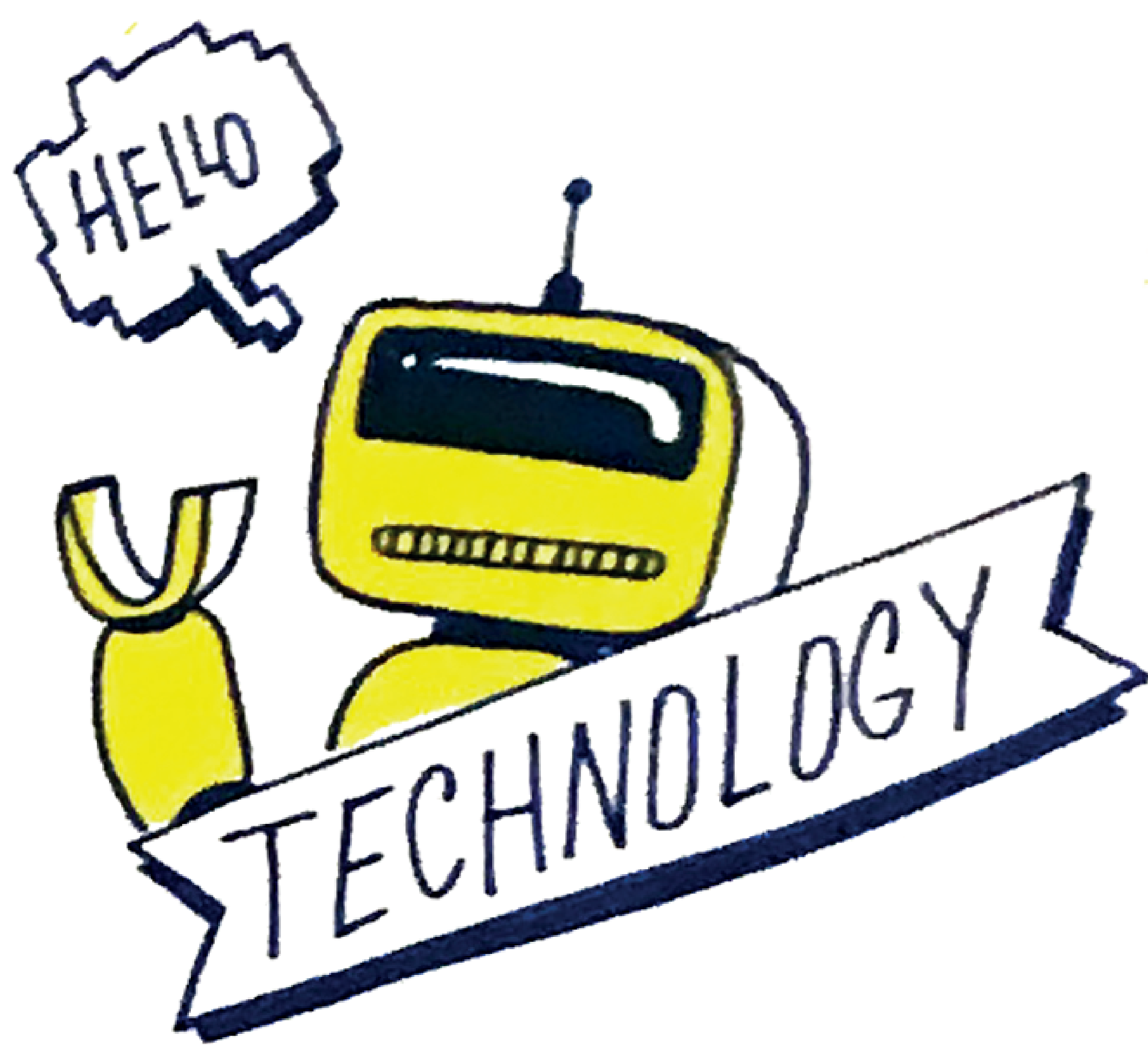
- ★ COMBINING HEAT EXCHANGE WITH DRINKING WATER

- ENERGY EFFICIENCY



COVENANT OF MAYORS

- ⚡ WHO IS MONITORING
- ★ 7500 SIGNATURES
- ★ ACHIEVE -23% IN 2015
- ★ NORTHERN CITIES LEAD
- ★ SOUTHERN CITIES FOLLOW
- ● -40% CO2 IN 2040
- ★ USING SURECITY SOFTWARE



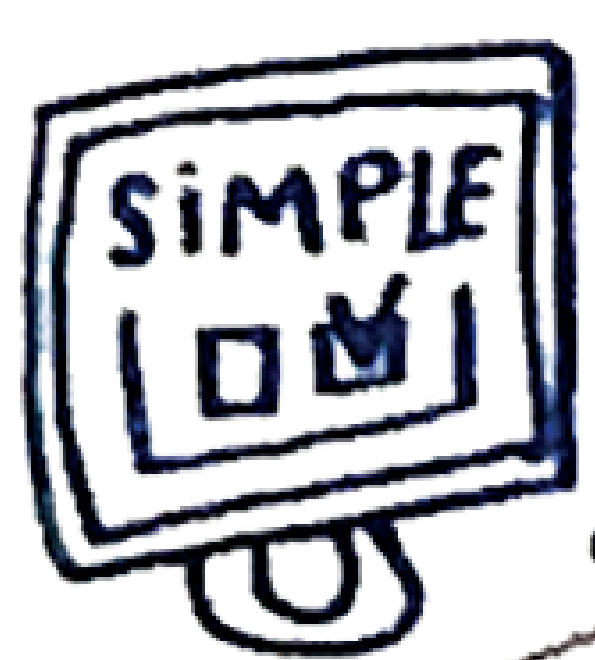
MONITORING SMART CITIES PROGRESS

- VIENNA
- ● BEST QUALITY OF LIFE



WATIFY: AWARENESS RAISING CAMPAIGN

- EU
- ★ BIG DATA PLATFORM
- ● ENABLING TECHNOLOGIES
- ★ EU



SURECITY

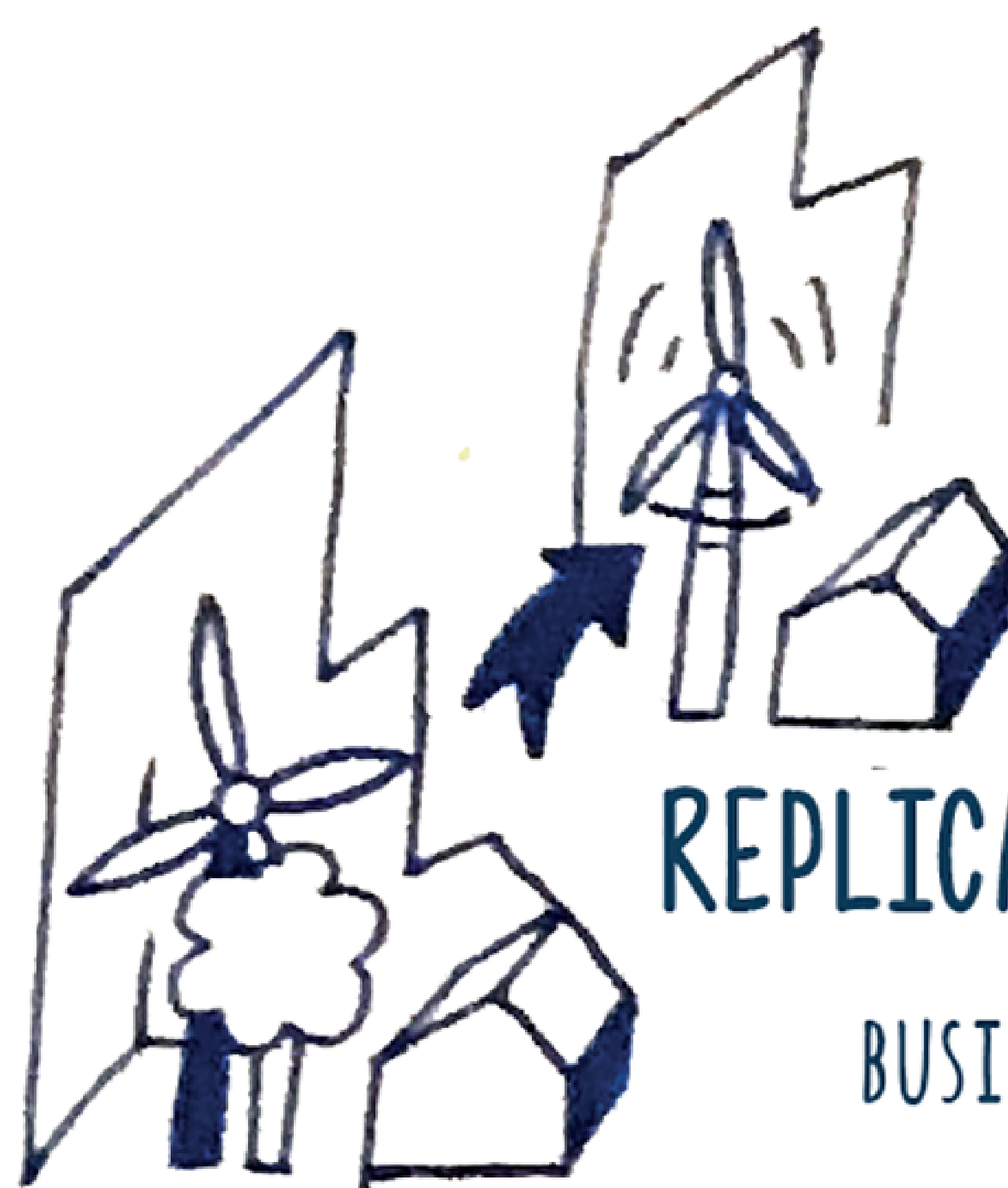
BEING EXTENDED!
FLEXIBLE WEB
PLATFORM

- ★ SOFTWARE FOR CITIES
- ★ FLEXIBLE & EASY. CHEAP!
- ! LISTEN TO CITIES
- ! STAY ACTIVE WITH STAKEHOLDERS
- ! KEEP THINGS SIMPLE



SMARTER TOGETHER

- ● URBAN INFRASTRUCTURE AS A DATA COLLECTOR
- MUNICH SMART STREET LAMP
- ★ COLLECTING ENVIRONMENT DATA



REPLICATE

TRIANGULUM REPLICATION TOOL

ONLINE TOOL
REDUCE RISKS

BUSINESS MODEL
POLICIES
ICT
VALUES CHAIN



SINFONIA

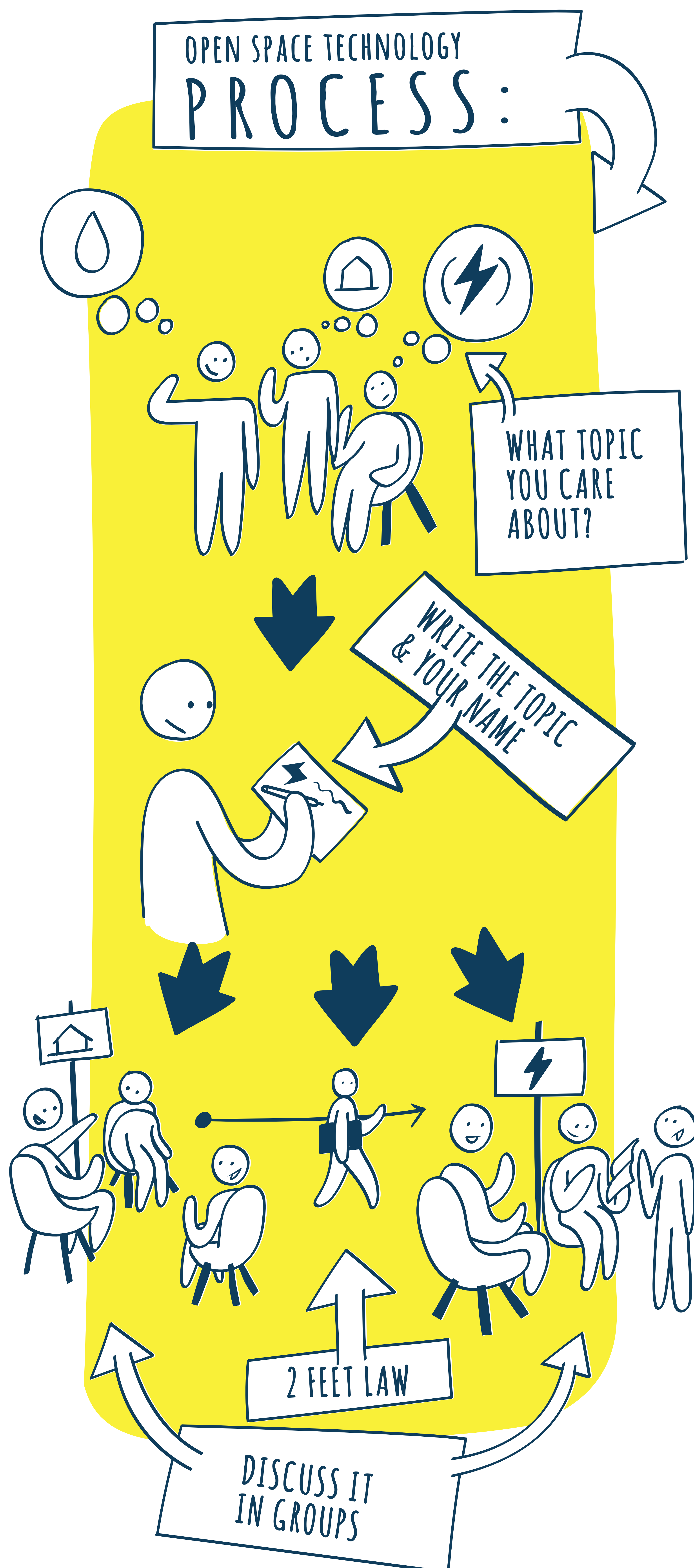
- ★ FEEDBACK SYSTEM FOR TENANTS
- ★ REFURBISHED HOUSES
- ★ MONITORING SYSTEM ALLOWS COMPETITION

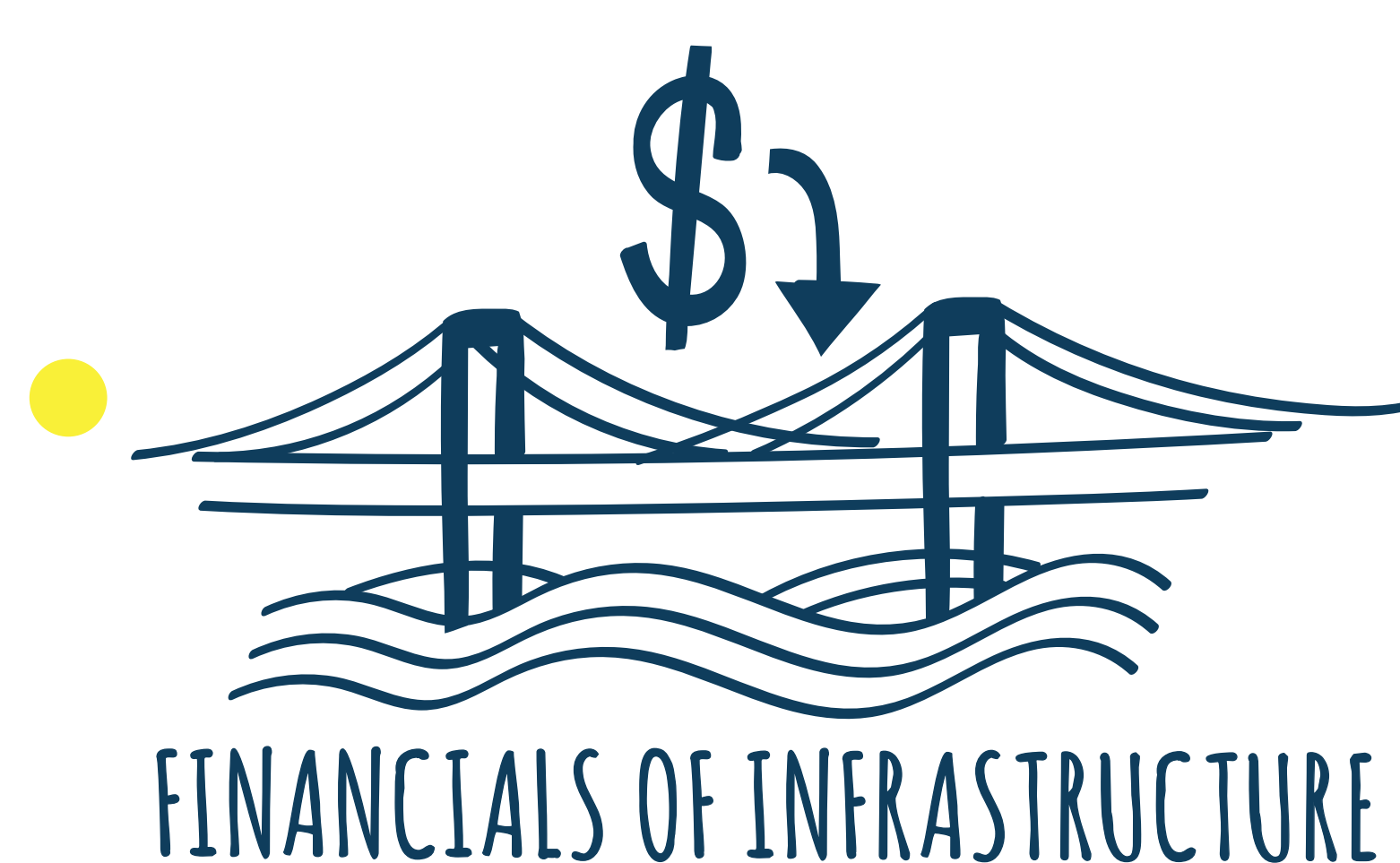
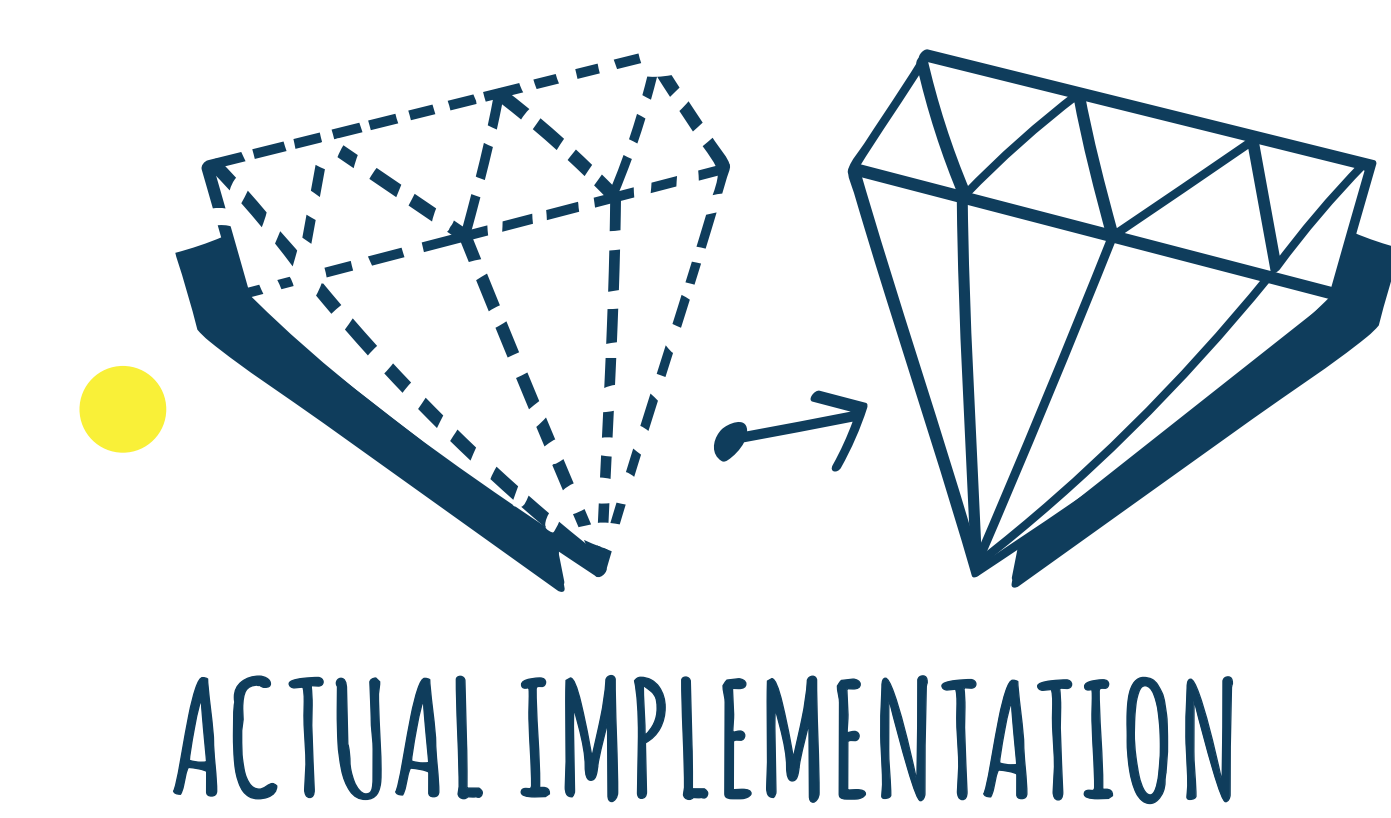
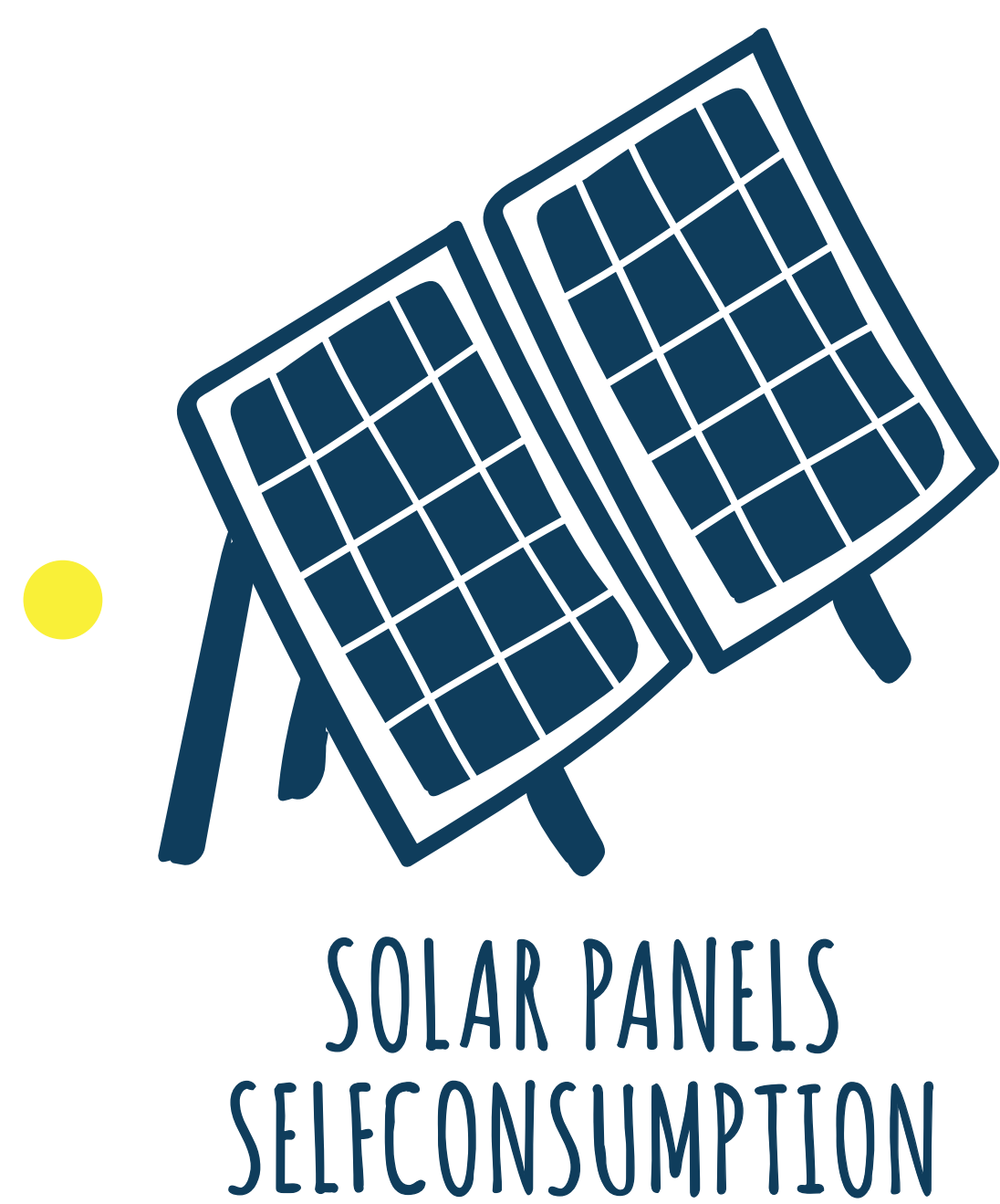


Challenges

&
OPPORTUNITIES

INTERACTIVE SESSION





SMART CITIES FINANCE HUB

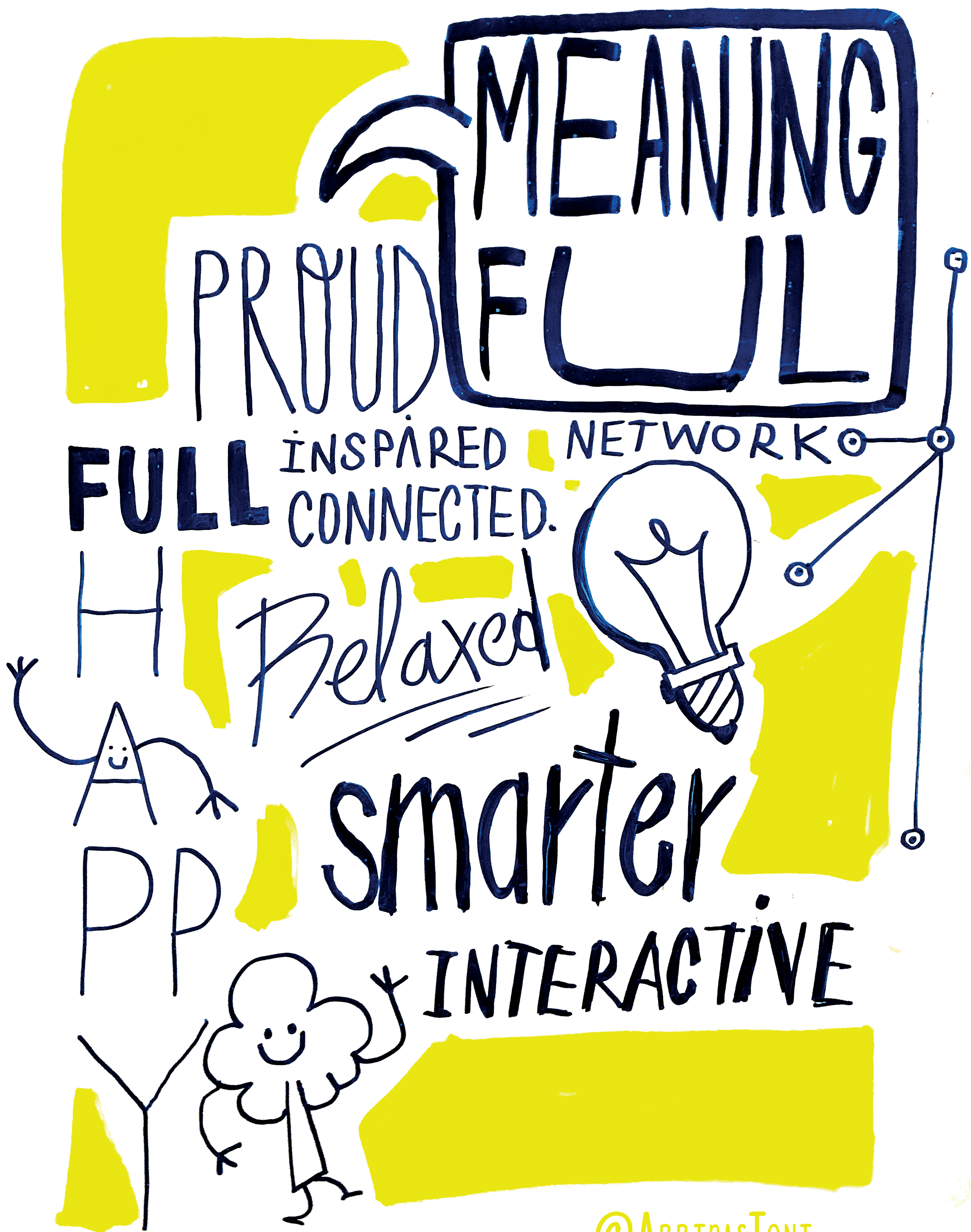


- WHY?
- BEGIN PROJECTS
WITH ENGAGEMENT
- WHEN? BEFORE, DURING AFTER?

- KNOW MAIN TARGET
- FIND STANDARDS
- LEADERSHIP

- LOCAL AND COMMON INTEREST
- MAP COMMUNITIES
BY REGION OR INTEREST

- CITIES IN THE CENTRE
- STRONG LOBBY SUPPORTING



@ARRIBASTONI
@SIMPLYDRAWITBIG