TRANSFORM



TRANSFORM - SMART CLIMATE KIC CITY TRANSFORMATION

Hans Houf

Online Conference with Local Stakeholders

17 November 2020

Sofia



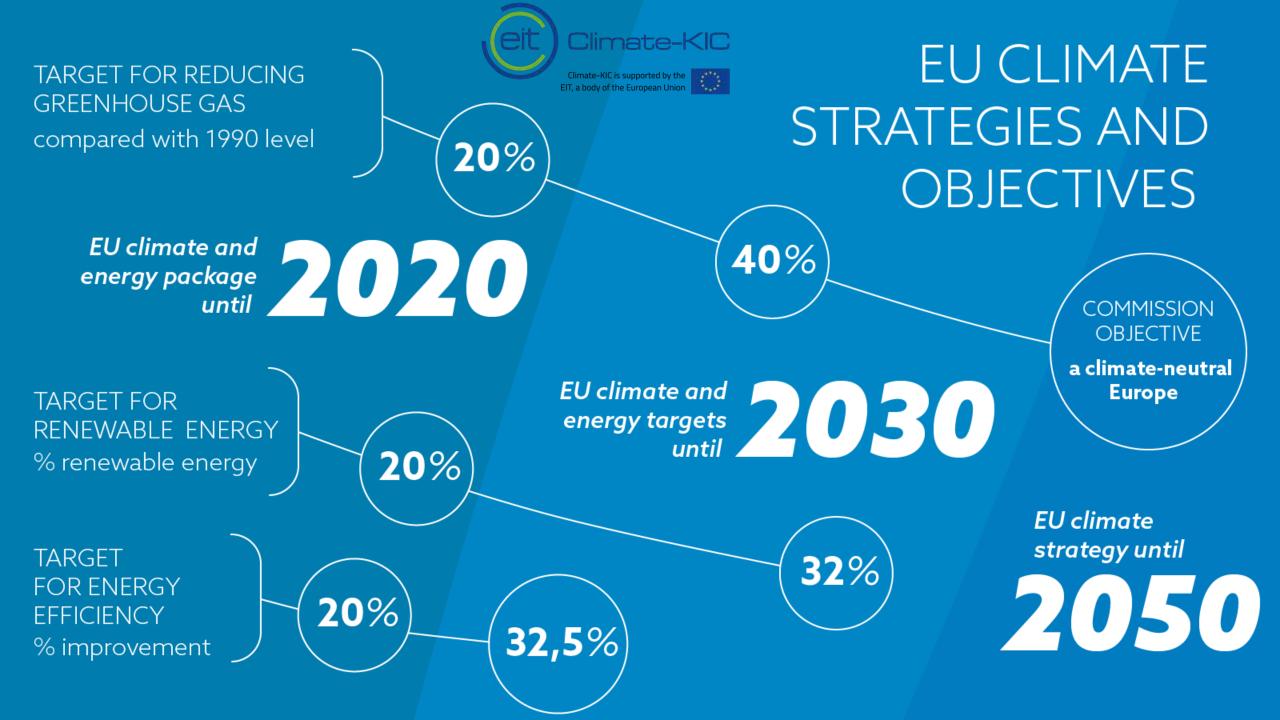


Let us start at our homes

and

TRANSFORM

our Live and Living environments





TRANSFORM **GOALS**Start 1/7/2020 – End 31/12/2020

Smart Energy Services for homes (15-30%)

Full energy Retrofits of homes (50-90%)

Smart Health & Wellbeing for inhabitants (lower health cost)





Project Transform – helicopter overview

Objectives:

Covid-19 & Climate Change created the need for us to become more resilient towards external changes

- 1. Digital Transformation of Homes: 15% energy reduction
- **2. Full Transformation of Homes:** 70% energy reduction
- 3. Personal Wellbeing Service: lower health cost

Partners:

JIBE Company
Virtech
TopSportsLab

Sofia Development Agency

Bankers without Boundaries

Climate KIC

Start a Process

2020: 10 digital transformed demonstration homes

2021: 250 Digital-transformations, 10 Full transformations

2022: 5,000 Digital-transformations, 1,000 Full transformations

2023: 15.000 Digital-transformations, 10,000 Full transformations



Problems to deal with

1. Ensure that the citizens & city stakeholders want to support the goals of TRANSFORM long term

2. Large Scale use of Personal Data > a scalable GDPR solution

3. Create a solution for Energy-Poverty



The TRANSFORM project approach

1. Ensure that the citizens & city stakeholders want to support the goals of TRANSFORM

Demonstrate 10 homes & 20 people

Communication with stakeholders & citizens on how to scale up!

 Large Scale use of Personal Data > a scalable GDPR solution

Energy consumption simulation

Financial Model

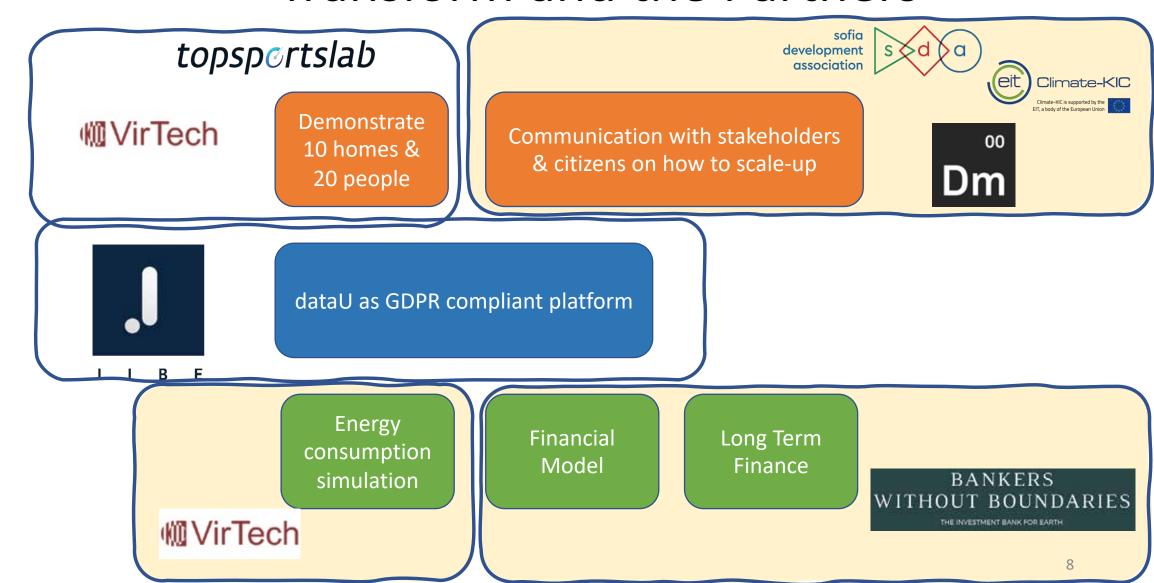
dataU as GDPR compliant platform

Long Term Finance

3. Create a solution for Energy-Poverty



Transform and the Partners



OPPORTUNITIES

GDPR Compliant Services

- DataU Platform
- DataU Service Application Store:
 - O Digital Certification
 - \circ 10T
 - O eCommerce
 - Electric Vehicle Charging Services
 - eHealth & Wellbeing*
 - O Smart Grid*
 - e-Identity*
 - O Digital Security*

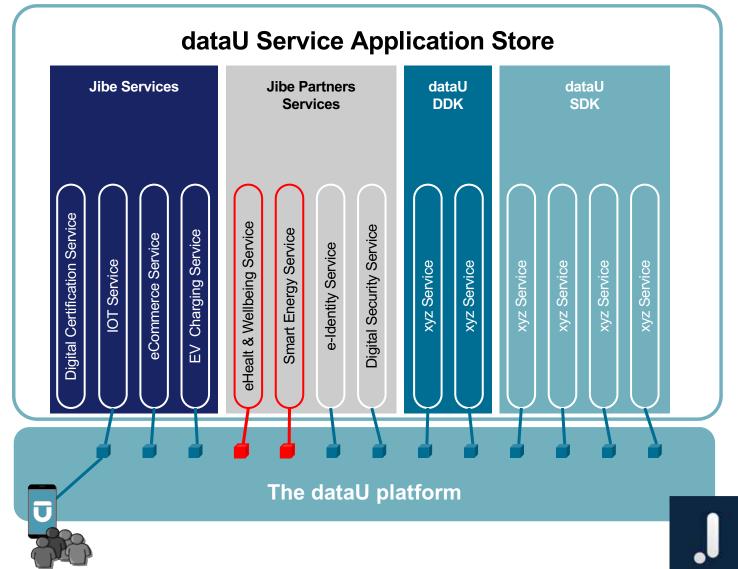
Jibe Company Development Kits:

- dataU Dashboard Development Application (DDK)
- dataU Software Development Kit (SDK)

Jibe Company will develop APIs to connect directly to the FIWARE and OPENHAB platforms, enabling the development of new services using the building blocks from the platform.

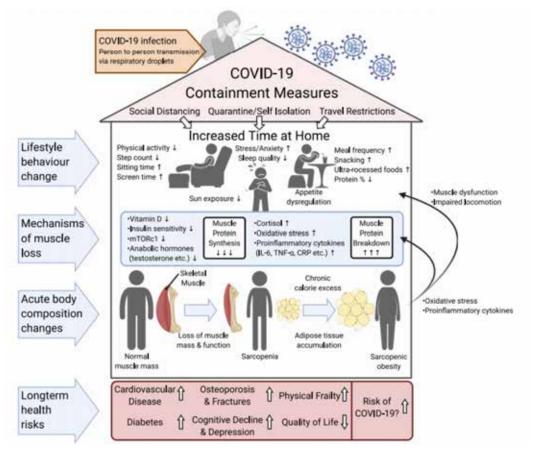
*developed by Jibe's partners.





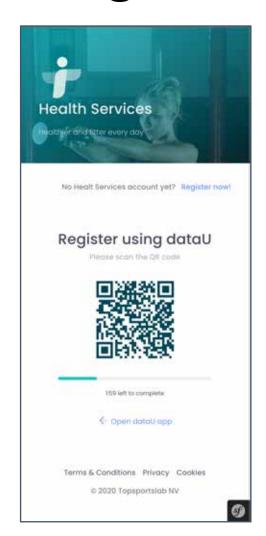


Smart Health & Wellbeing



How does a bad physical and mental health impact or overall health?

The vicious circle of covid-19, also applicable to many other non-communicable diseases.

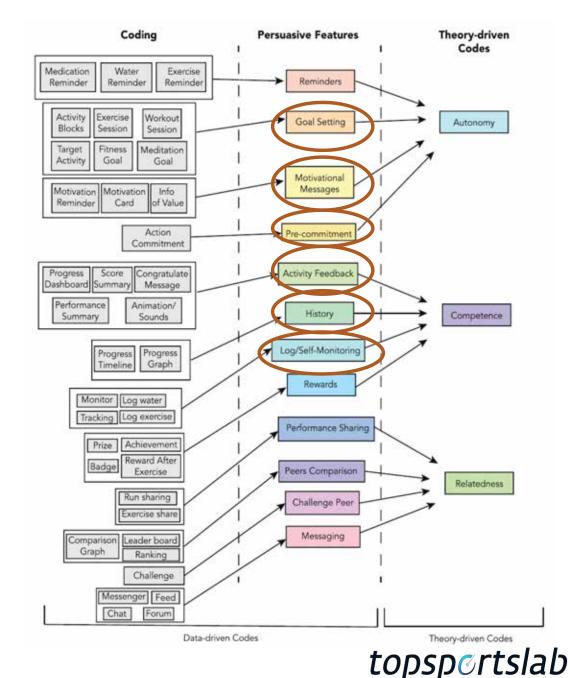






Smart Health & Wellbeing

- Physical and mental health
- Aimed at autonomy & compentence, in a second stage also relatedness
- Feedback & individual health advice
- Data-informed + human coach





Smart Energy Services





Improve comfort

Improve control





Smart energy assistent

Lower energy consumption



