How to realise the SDG’s via technology – by example

Kim Escherich | Executive Innovation Architect | @kescherich

How to use tech to support creating a better world.

Data has a better idea

IoT

Digital-physical worlds integration

Increased transparency

Massive data collection

AI

Understand patterns in data

Augment human abilities

Massive data analysis

Blockchain

Build trusted ecosystems

Scalability and low cost

Massive data exchange

The rest…

Cloud

Quantum

Mobile

Hardware

Sensoring

Robotics

…

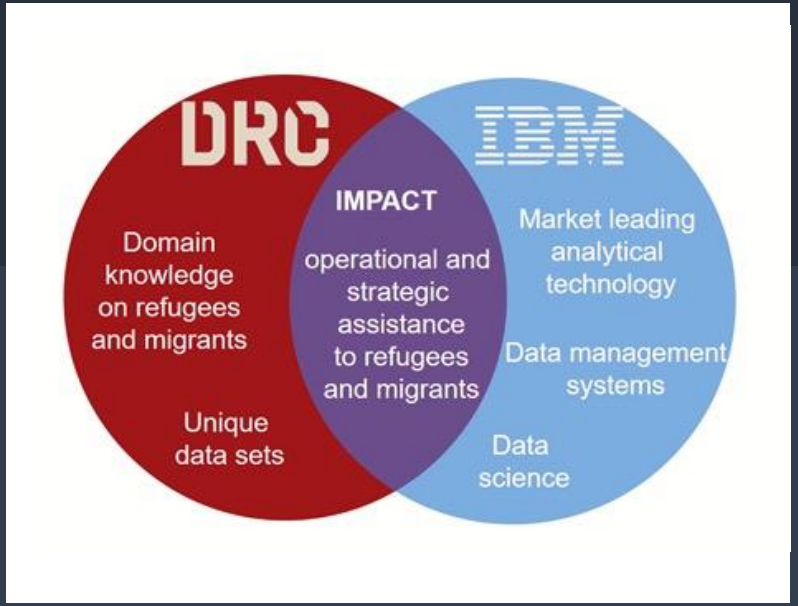
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
10 REDUCED INEQUALITIES

IBM AND DRC PARTNERSHIP

DANISH REFUGEE COUNCIL

Partnerships a key to leverage today's technology and expert knowledge for a **better protective response** to people in need.

Developing a comprehensive, data-backed analytical and predictive model.



17 PARTNERSHIPS FOR THE GOALS

PREDICTIVE MODEL

DANISH REFUGEE COUNCIL

DATA

World Health Organization

THE WORLD BANK

UNHCR The UN Refugee Agency

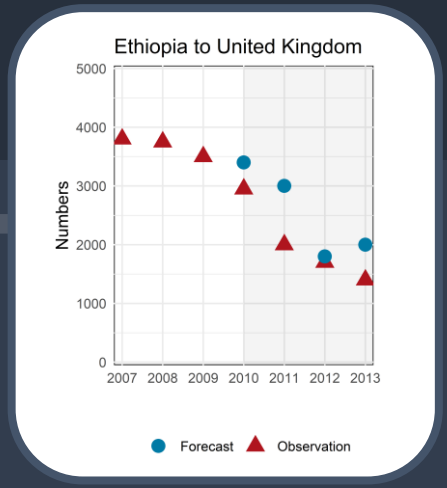
DANISH REFUGEE COUNCIL

MODEL

IBM

DANISH REFUGEE COUNCIL

FORECAST



ETHIOPIA: EXAMPLE SCENARIO

DANISH REFUGEE COUNCIL

Current health situation

The health infrastructure in Ethiopia is among the worst fifth in Sub-Saharan Africa.

Scenario 1

If the health infrastructure improved to the top fifth in Sub-Saharan Africa, our model predict a 9% decrease in migrants heading towards Europe.

Dr. Jin Yan Shao

Air Quality Management Decision Support Platform

Data Source

Beijing

AQI National Ranking: 81/367

32°

多云 | 空气优 | 西南风2级

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3 GOOD HEALTH AND WELL-BEING
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND

2 ZERO HUNGER
8 DECENT WORK AND ECONOMIC GROWTH
13 CLIMATE ACTION
15 LIFE ON LAND

IBM Agropad

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

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How We Work

Watson Decision Platform for Agriculture

$2.4 trillion agriculture industry
is a foundation of economies worldwide

Climate change, population growth and food safety
driving the industry to seek more innovative approaches to protecting and improving crop yield

AI rapidly emerging
as a key part of the technological evolution in agriculture

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Data has a better idea

Beware of ethical issues and dilemmas

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