I-Dream
Inclusive Development Research Association for Mankind

Great Science and Technology

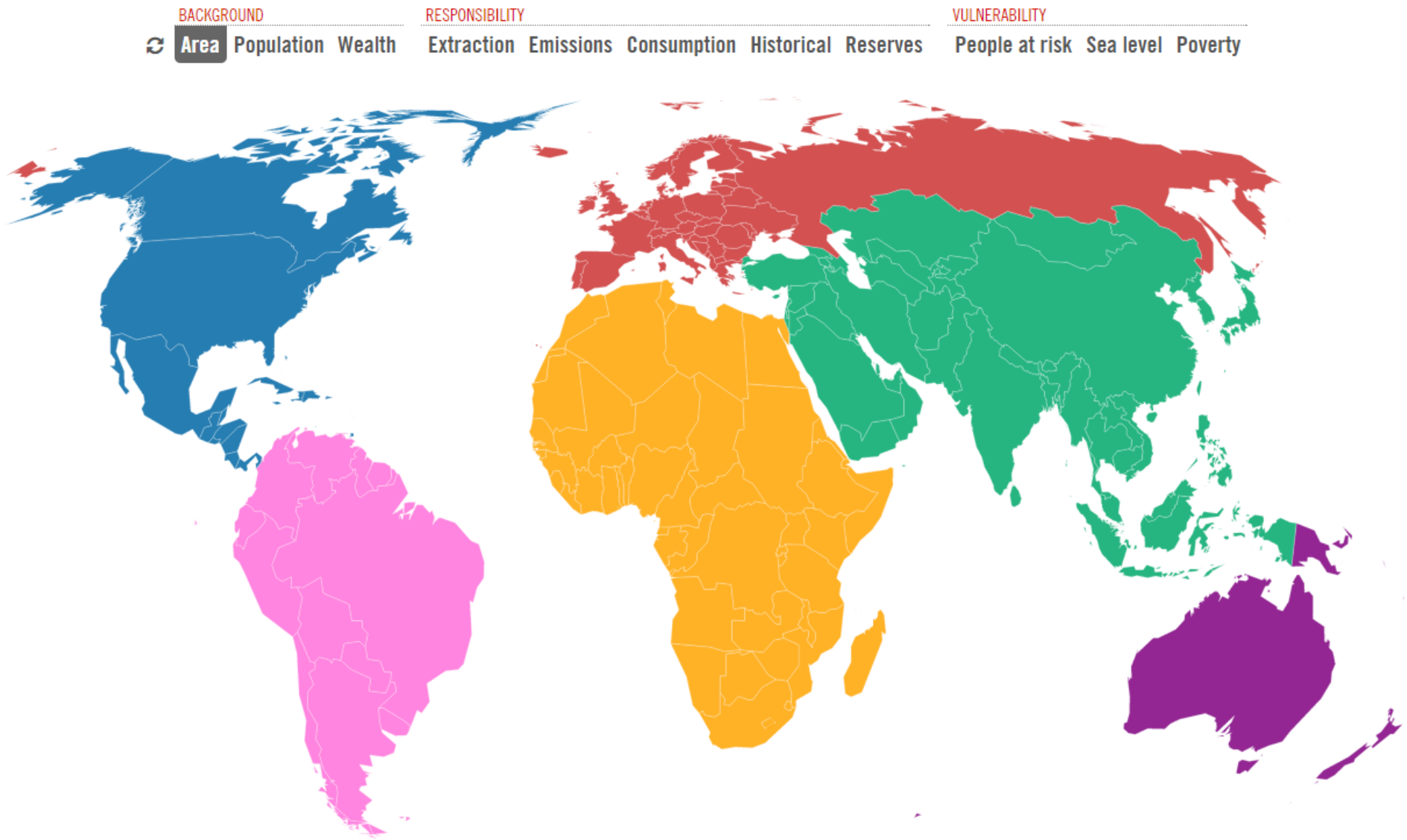
… only for 10% of World Population …

전세계 10%의 인구만을 위한 과학기술…

04.03.2017

Kevin Kyeong-il CHOI

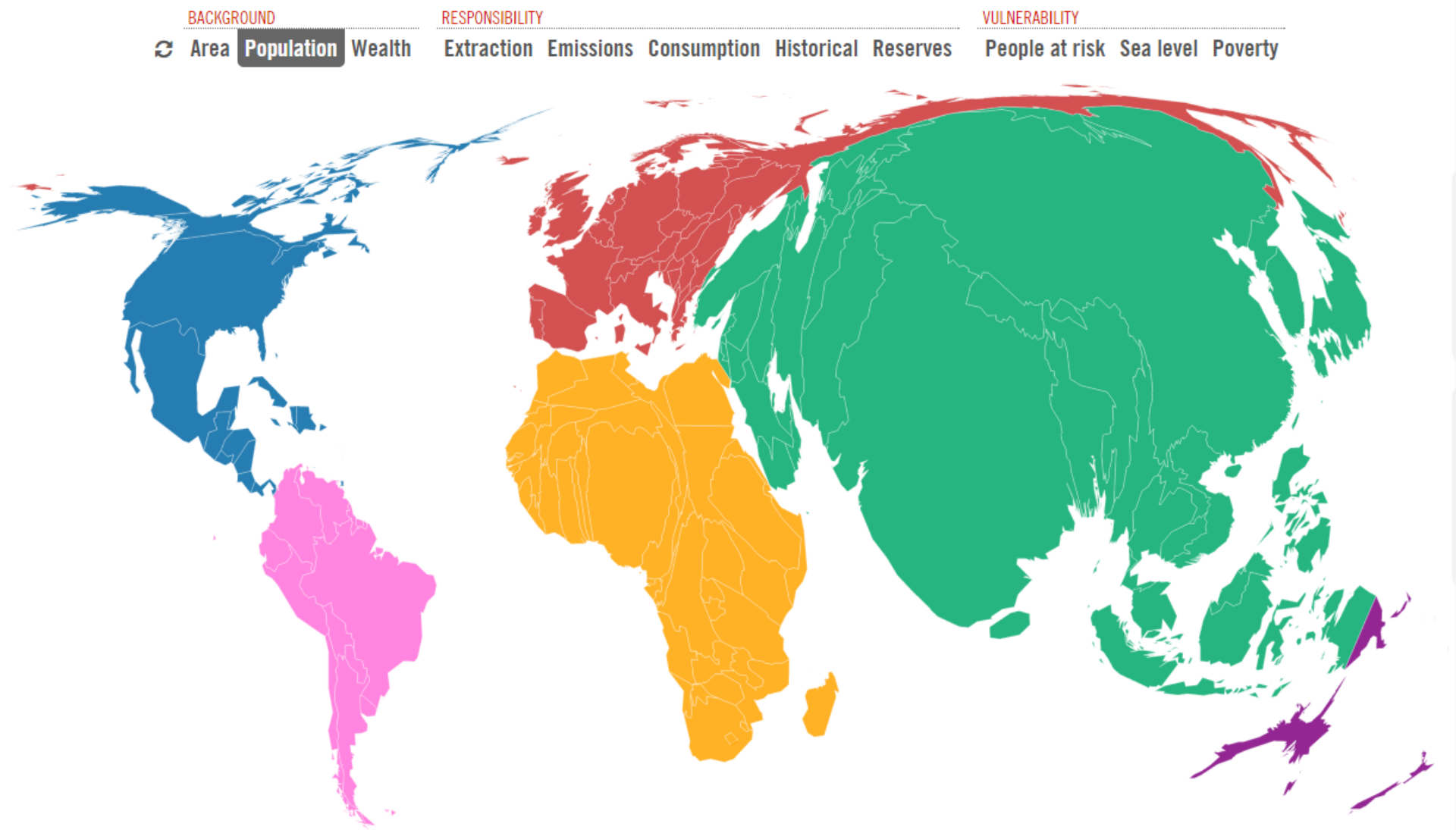
World Population



R32: http://www.carbonmap.org

I-Dream
Inclusive Development Research Association for Mankind

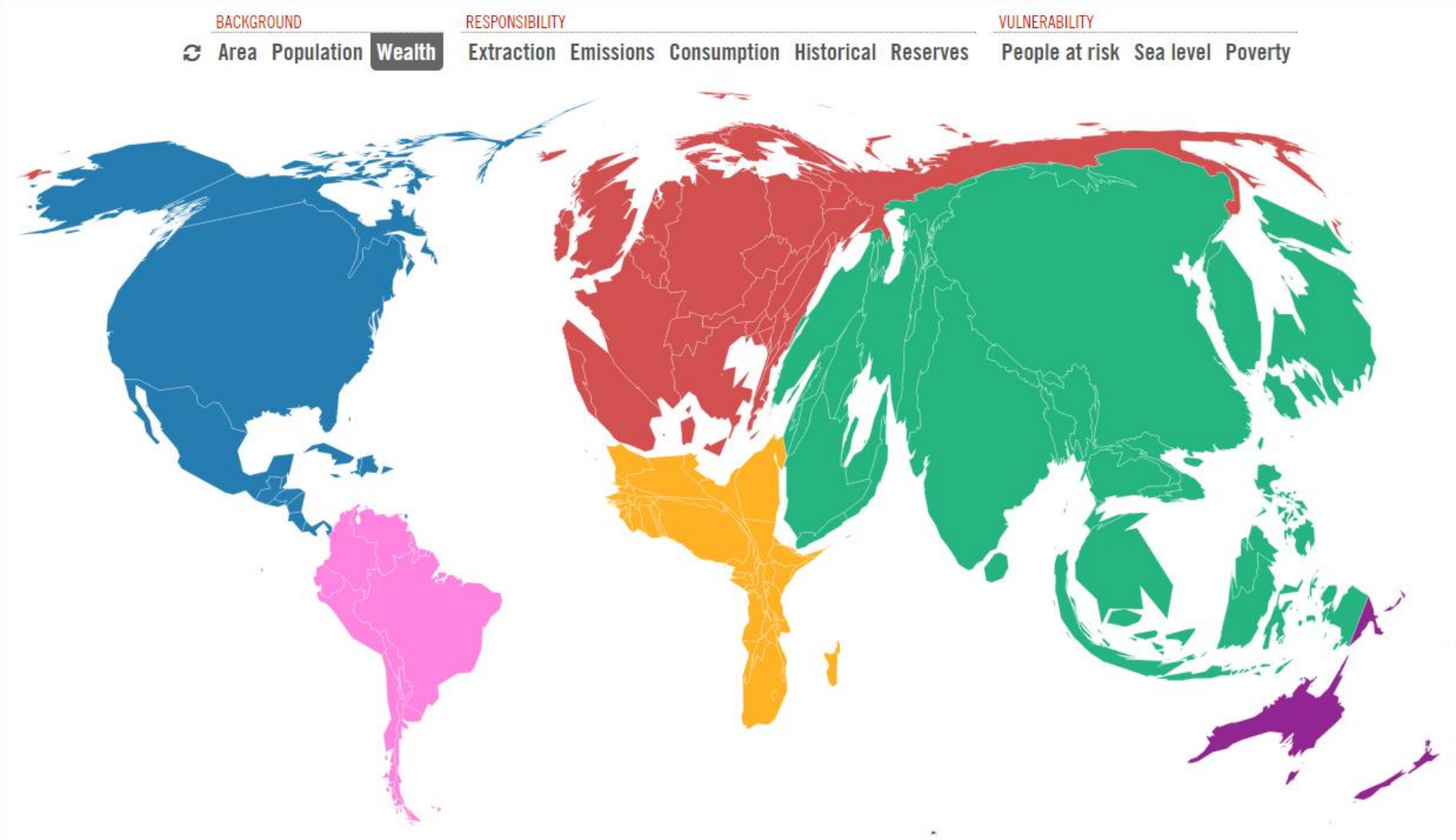
World Population



R32: http://www.carbonmap.org

I-Dream
Inclusive Development Research Association for Mankind

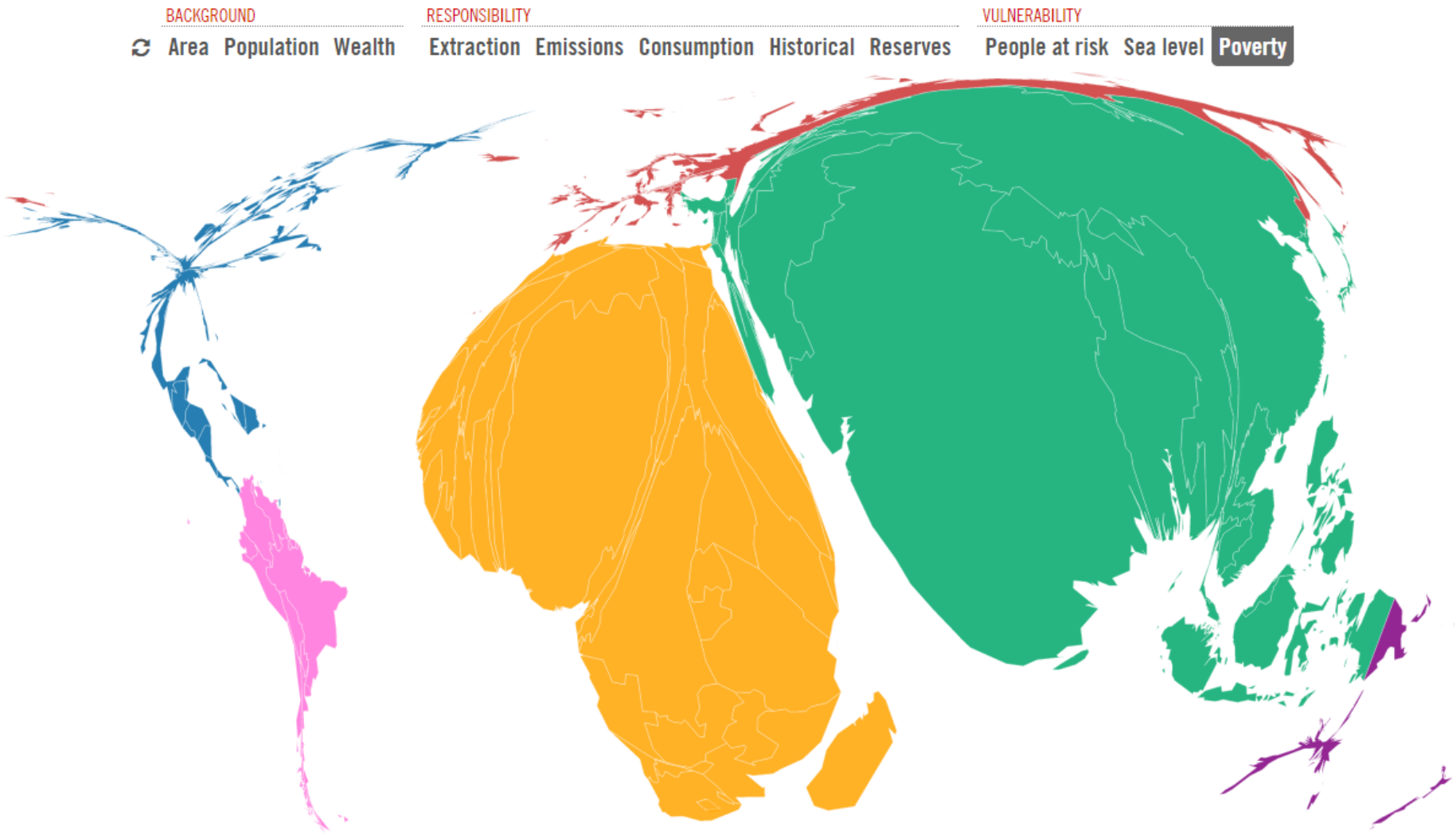
World Population



R32: http://www.carbonmap.org

i-Dream
Inclusive Development Research Association for Mankind

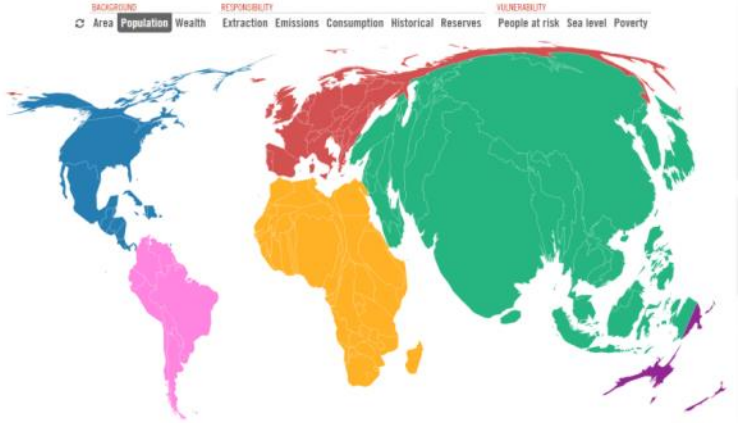
World Population

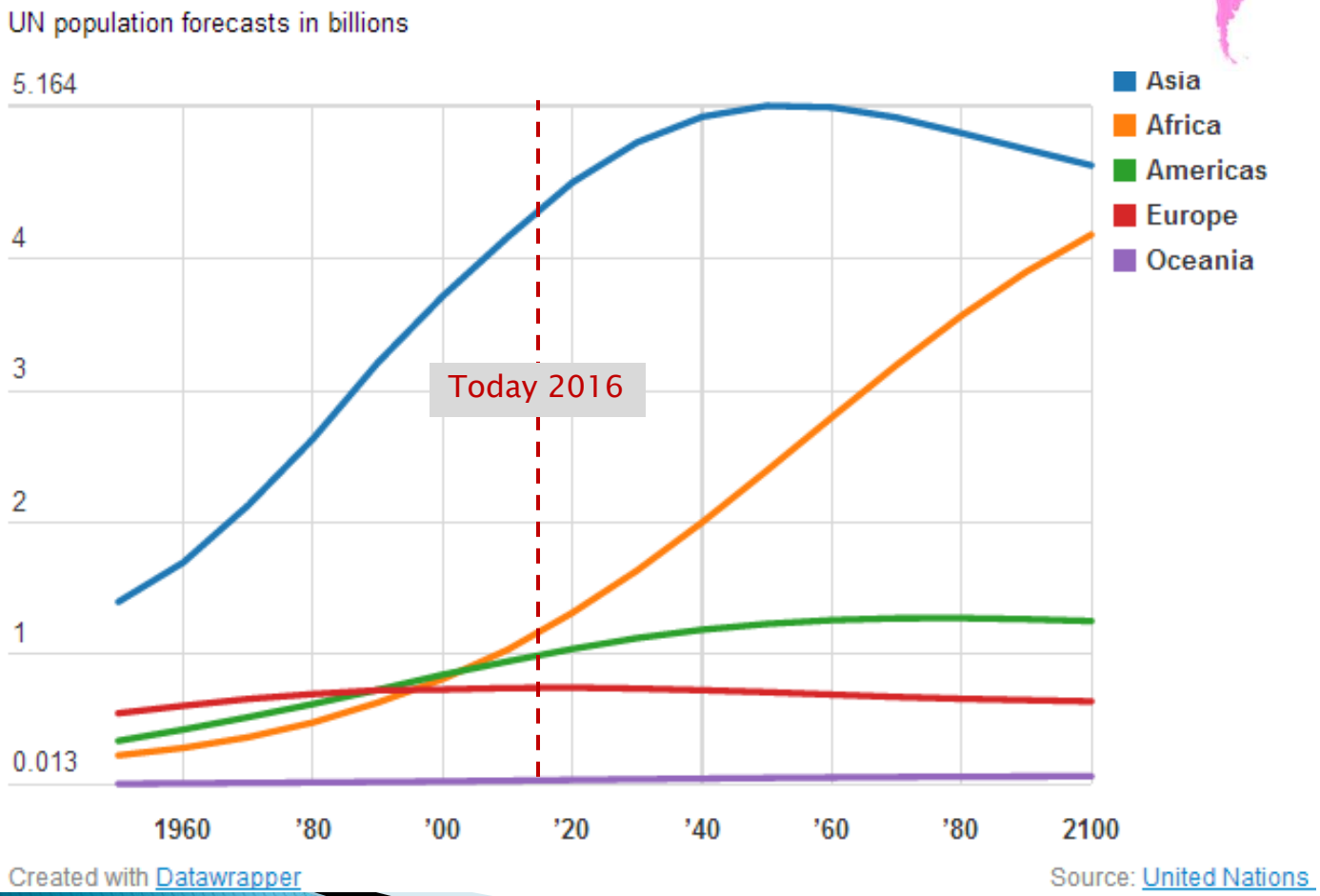


R32: http://www.carbonmap.org

I-Dream
Inclusive Development Research Association for Mankind

World Population





R32: http://www.carbonmap.org
R33: http://www.citymetric.com/10-african-cities-whose-economic-importance-will-triple-2030

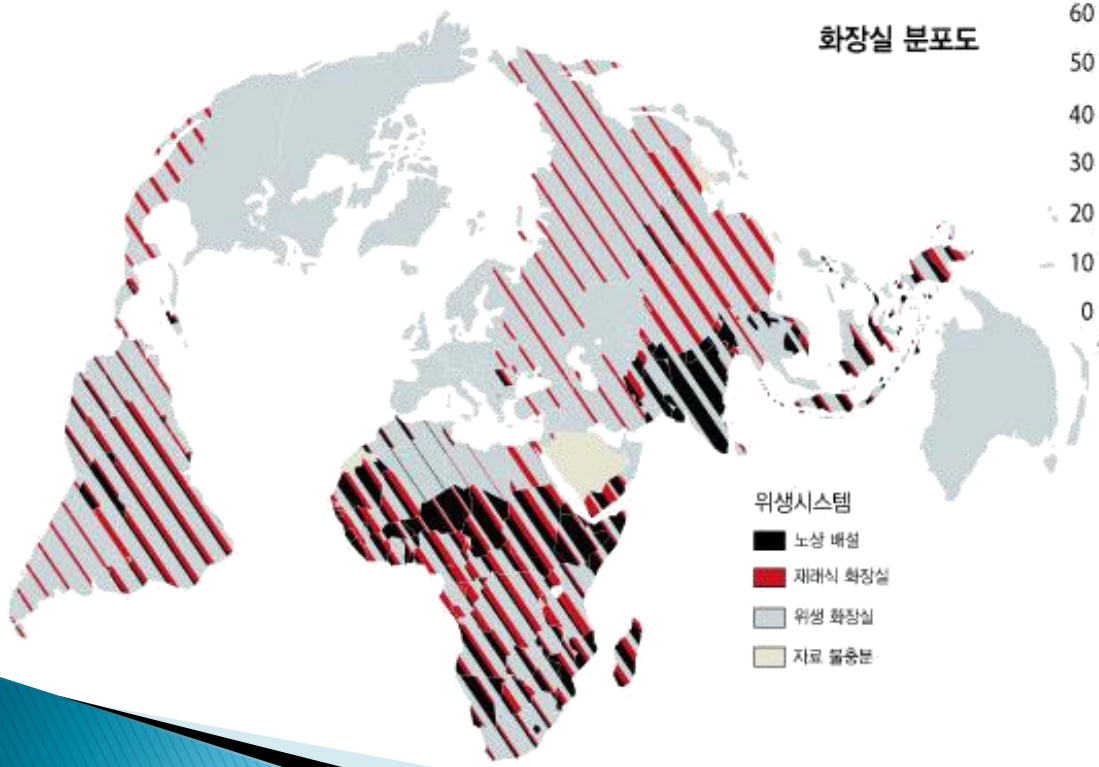
Access to Fundamental Infrastructure

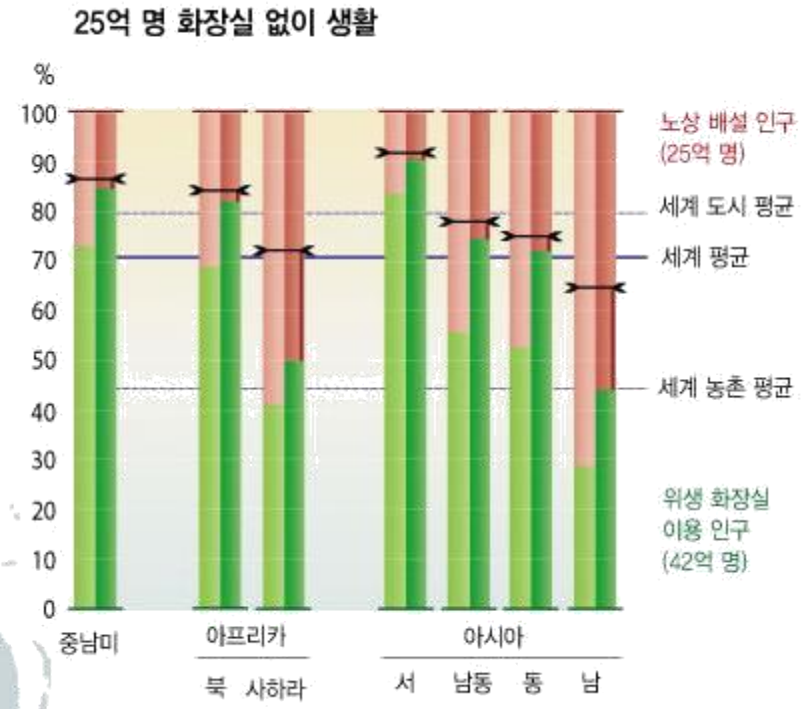
- Electricity



Access to Fundamental Infrastructure

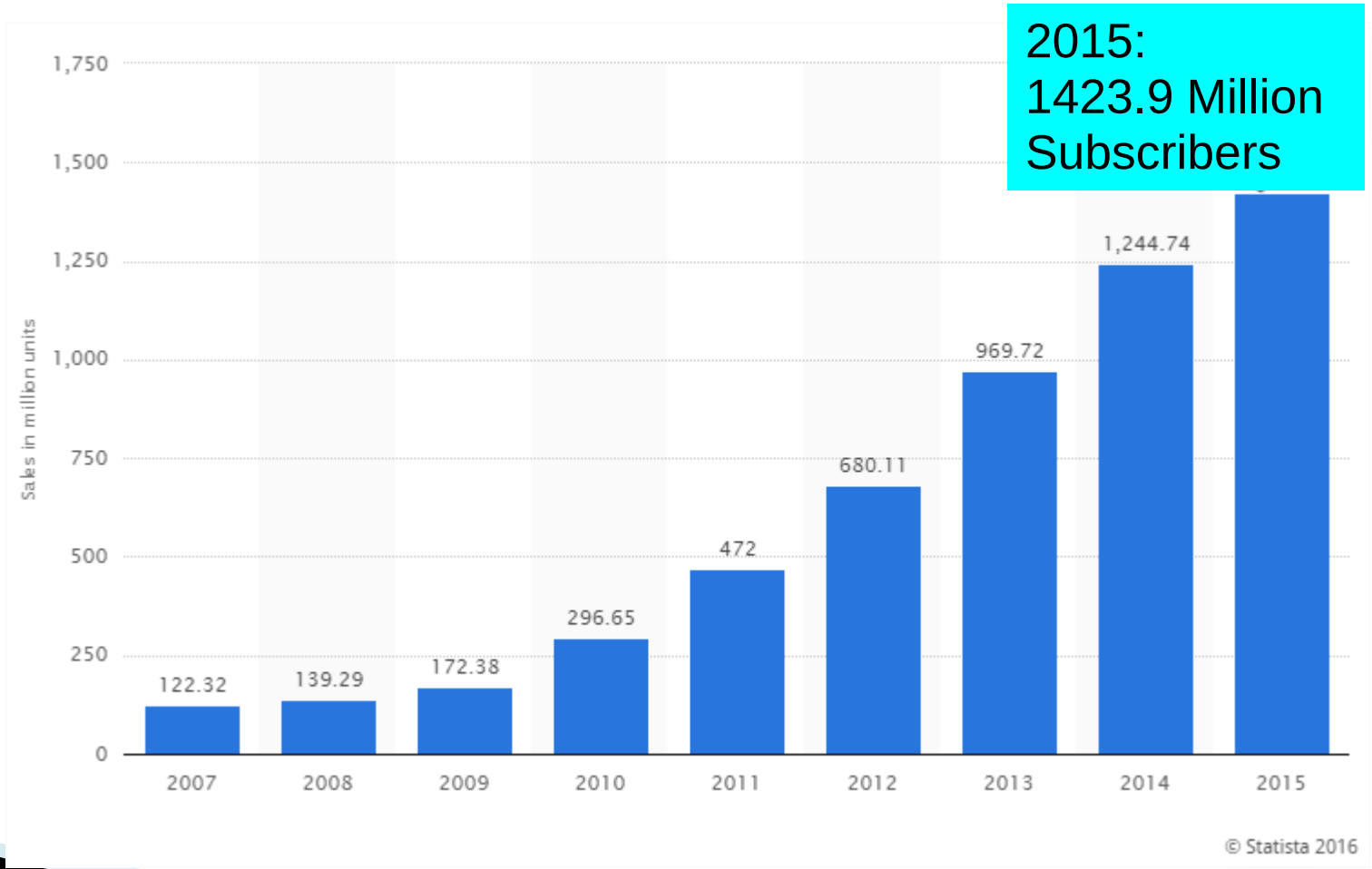
- Access to Sanitary Facilities





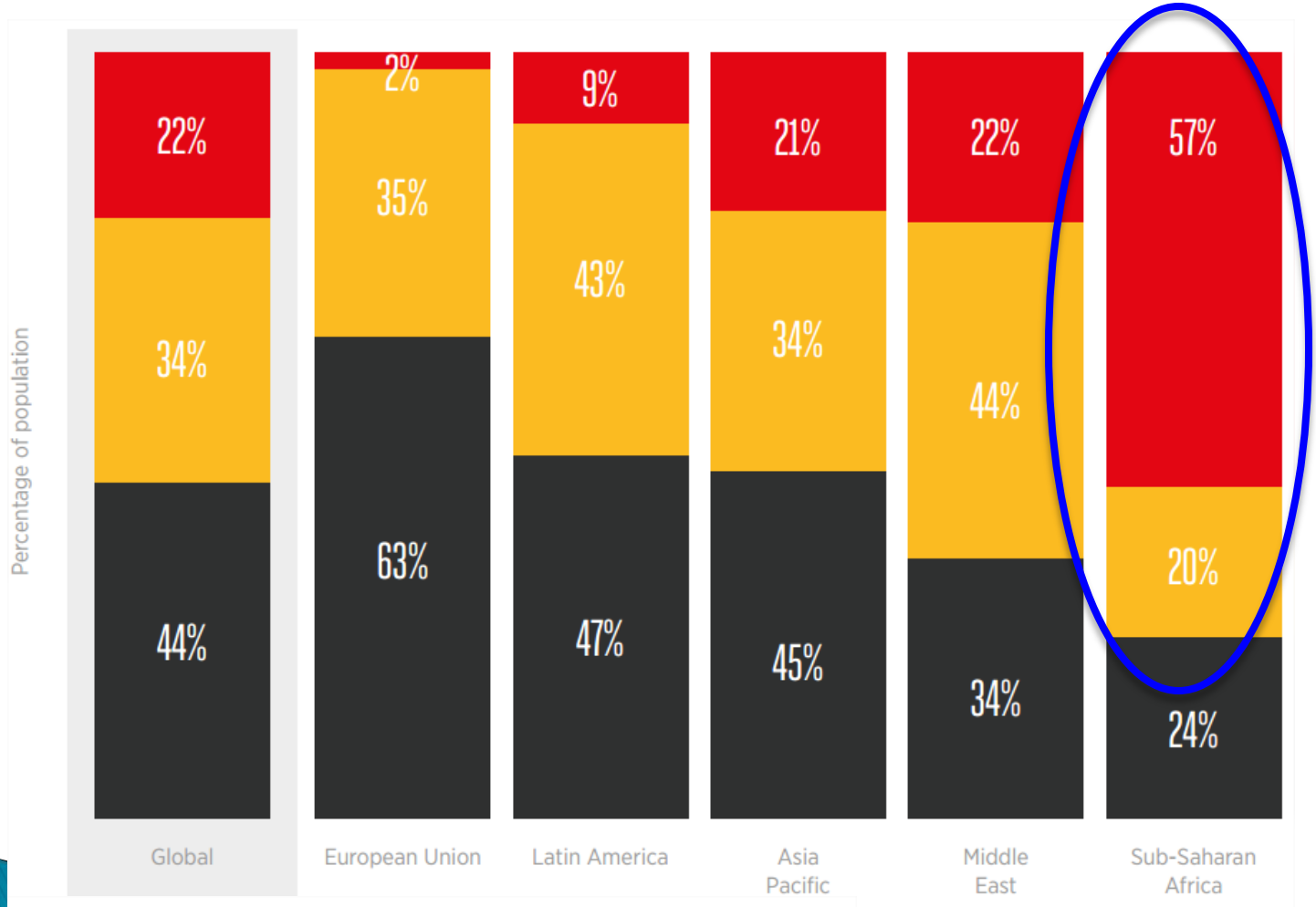
Access to Fundamental Infrastructure

- Telecom – World Smartphone subscribers



Access to Fundamental Infrastructure

- Telecom Connected and unconnected populations Q4 2015



More than half African people Not connected

Source: GSMA Intelligence

Inclusive Development ?

- Pursuing equal opportunities for
  - Developing countries
  - Low-income households
  - Handicapped
  - Women and children
  - …
- To get access to
  - Basic needs, Medical services, Education, Clean environment, Social welfare, …

Quoted from presentation by Dr. KANG, Myung Joo
EKC 2014 – Inclusive Development Session

Appropriate Technology ?

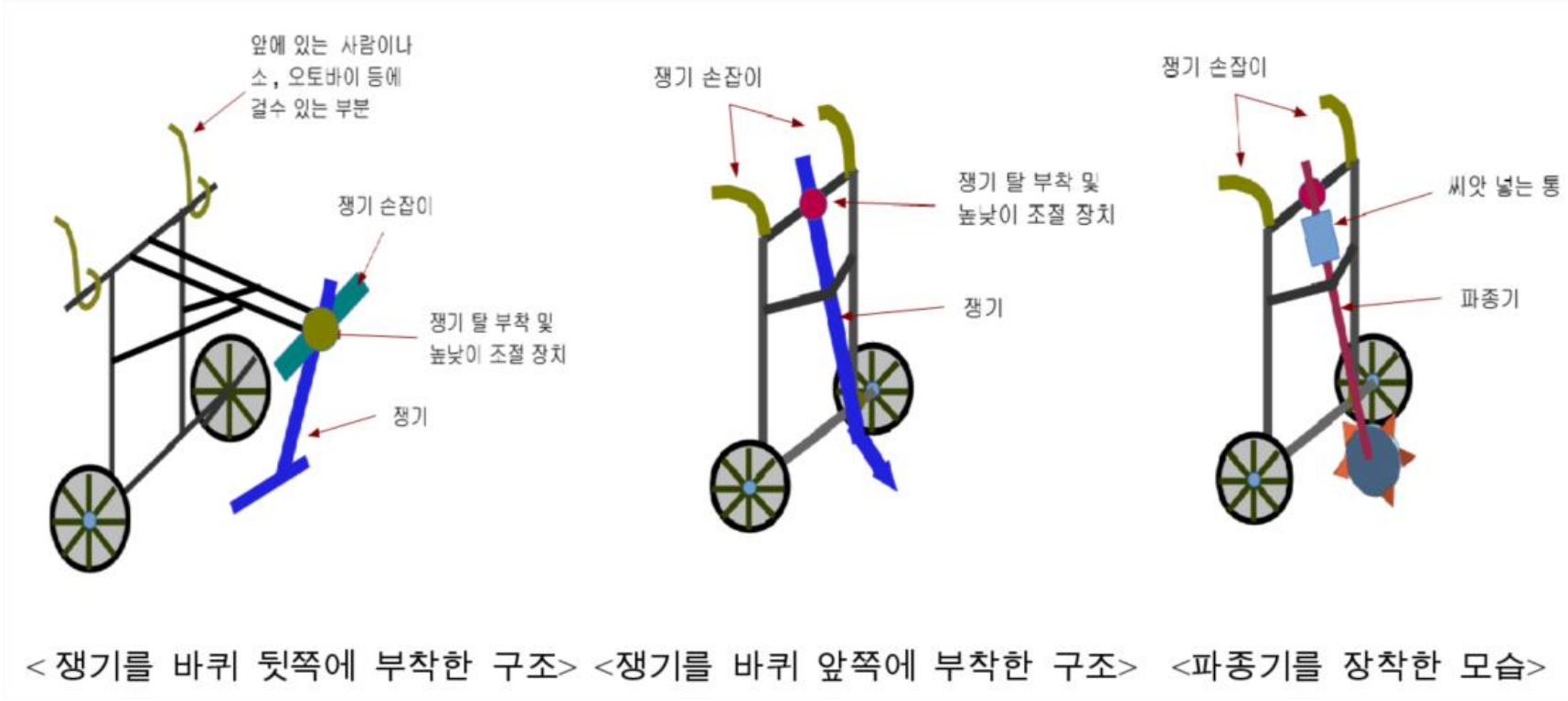
- Appropriate Technology Principles
  - Low cost
  - Locally available materials
  - Labour-intensive
  - Repairable by users
  - Fostering creativity of people
  - Socially and culturally acceptable
  - …

➔ All applicable for both developing AND developed countries

Quoted from presentation by Dr. KANG, Myung Joo
EKC 2014 – Inclusive Development Session

Appropriate Technology

- Example – Multi-function Plow (다용도 쟁기)
  - 심창현 – I-DREAM, France



<쟁기를 바퀴 뒷쪽에 부착한 구조> <쟁기를 바퀴 앞쪽에 부착한 구조> <파종기를 장착한 모습>

Appropriate Technology

- Example – Solar Water Heater

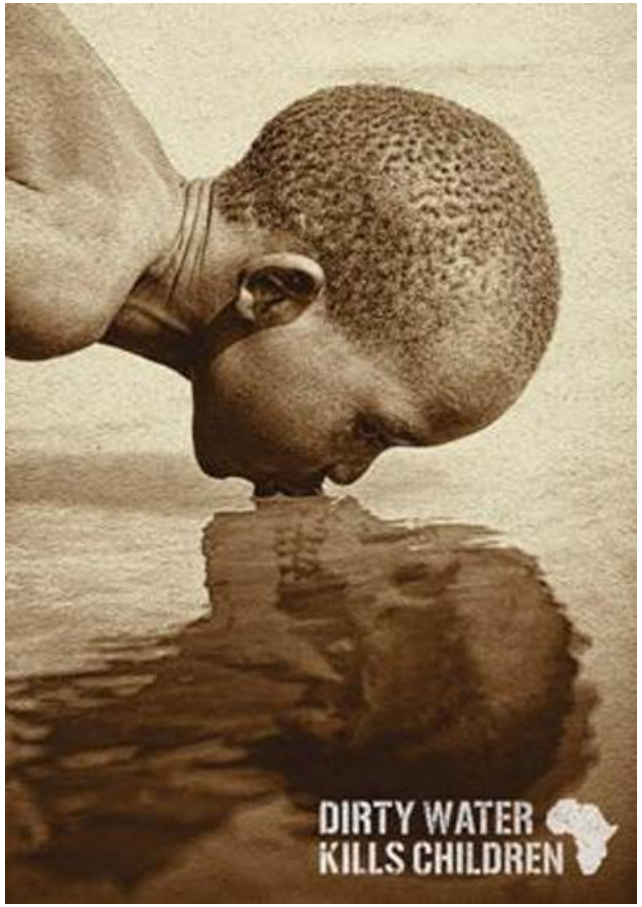


Quoted from presentation by Dr. KANG, Myung Joo
EKC 2014 – Inclusive Development Session

Appropriate Technology

R20

- Example - LifeStraw







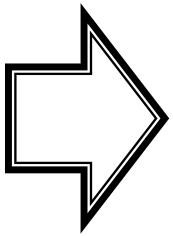
Nam Seung Hoon
Grand Prize
11th Tri-annual International Political Poster Competition

Appropriate Technology

Example - Q Drum













Appropriate Technology

- Example – Cooking stoves







Quoted from presentation by Dr. KANG, Myung Joo
EKC 2014 – Inclusive Development Session

Appropriate Technology

R20

- Example - Kenya Ceramic Jiko



Appropriate Technology

- Example - 미소난로 (한국)

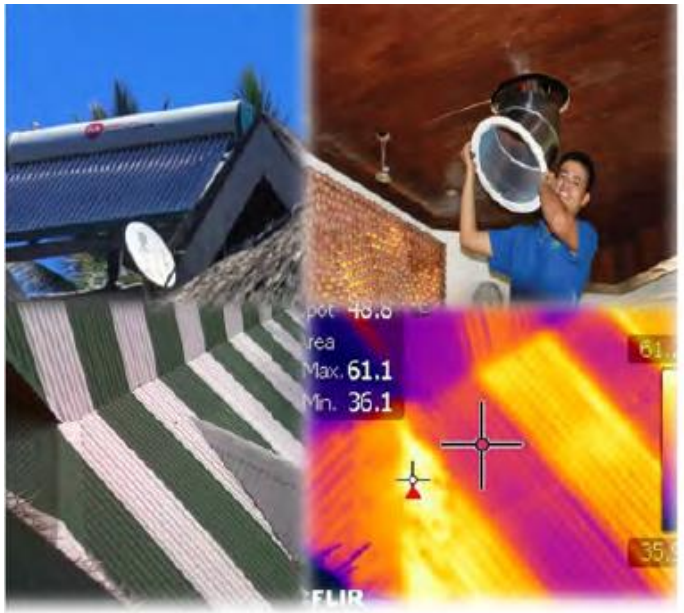






Appropriate Technology

- Example Zero Carbon Resorts Project
  - Light colored roofs
  - Water metering prevent leaks
  - Electricity supply & generation
  - Waste segregation at source













I-DREAM

동반성장 연구회 Inclusive Development Research Association for Mankind

Inclusive **D**evelopment **Re**search **A**ssociation for **M**ankind

www.idream4all.org

Our Mission

ABOUT I-DREAM... 동반성장 연구회란...

Objectives 협회의 목적

In order to improve the quality of life and increase the economic independence of the underdeveloped regional communities in the world, the association studies and organizes forums to promote the exchange of know-hows, the resources and the skills of all association members and its external partners.

I-DREAM 동반성장 연구회는 세계 각처 지역 공동체의 경제적 자립과 삶의 질 향상을 위하여 협회의 회원들과 외부 파트너 기관들이 가지고 있는 기술, 정보, 자원들을 결집할 수 있는 장을 창출하는 것을 목적으로 합니다.

아래에 협회의 회칙과 등록자료들을 참조하시기 바랍니다.

I-DREAM Activities 협회의 활동

I-DREAM : Activities so far...







Compassion and Virtue

for African Dreams...

ANTENNA
Research for progress

Spirulina :
a sustainable solution against malnutrition and a development tool







I-Dream
Inclusive Development Research Association for Mankind

I-DREAM : Activities so far

- Book Donation











I-DREAM : Activities so far...

Conférence Internationale 2015

sur le ***Développement Inclusif***

avec la ***Technologie Appropriée***

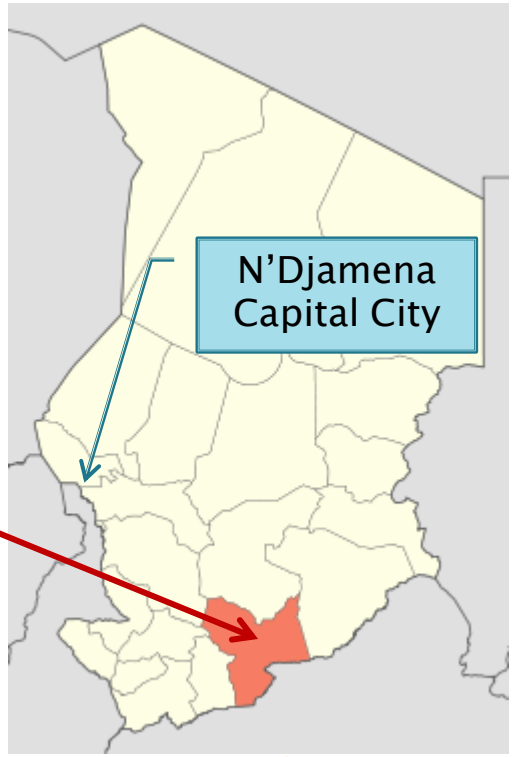
La première étape pour changer notre vie

Date: 9 ~ 11 février 2015 (3 jours)

Heure: 09:00 ~ 17:00 (1er jour 09/02/15 début à 14:00)

Lieu: Université de Sarh





I-DREAM : Activities so far...









I-DREAM : Appropriate Technology Camp in Europe



I-DREAM : African Project Team

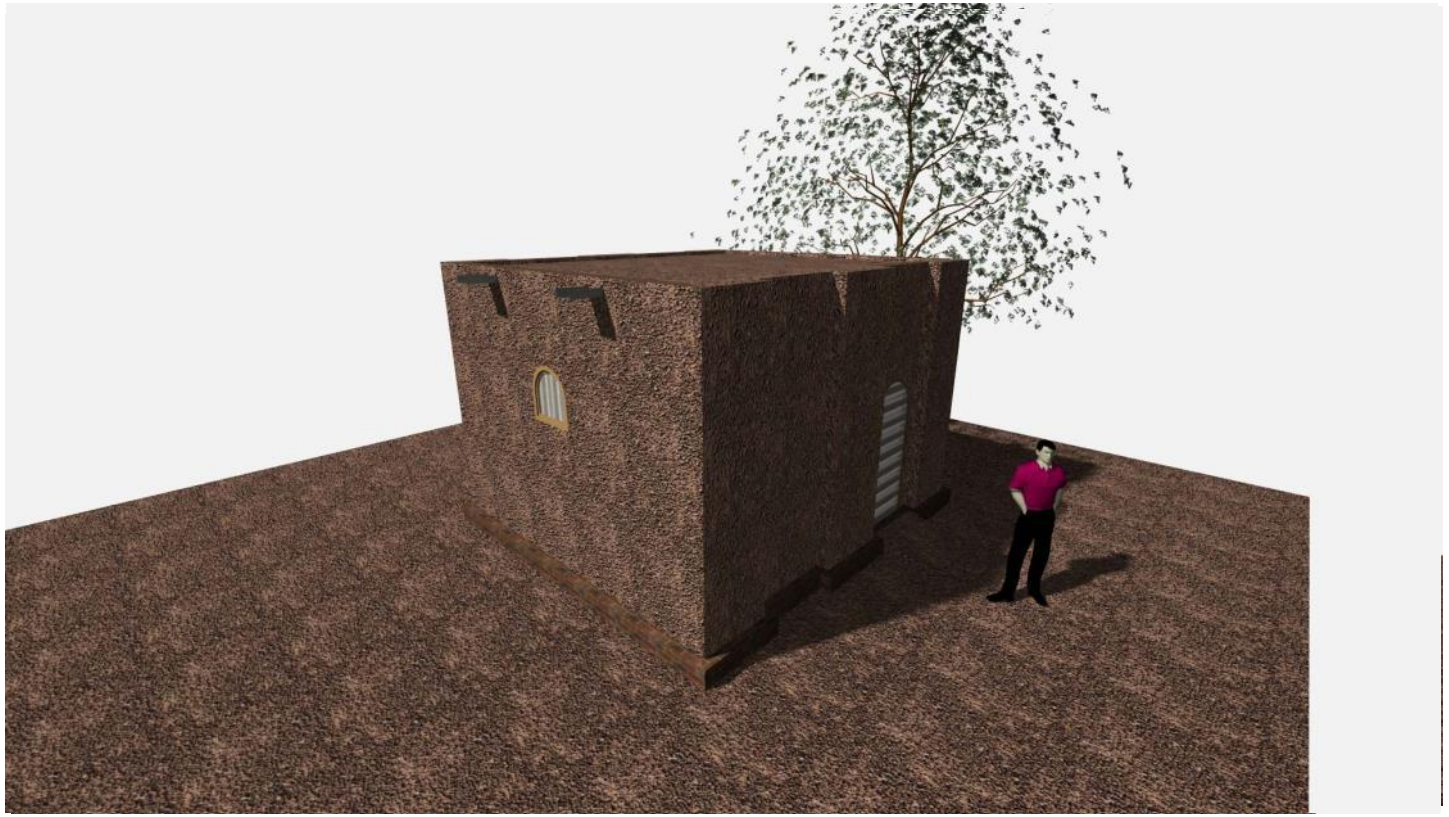
- 2016.1 ~ Education Centre Construction Support
  - Construction = Training Center + Visitors Guest House
  - Training Centre / Scientific education
  - Enterprise Incubation / Appropriate Technology development … and many more applications
  - Planned completion: **mid 2017**





I-DREAM : Housing Improvement Project in Chad

- 3x4 House Project in Chad



I-DREAM : Housing Improvement Project in Chad

I-Dream

Home Activities African Project Database Contact

2017.03.01

EARTH ARCHITECTURE DESIGN CHALLENGE

An Affordable Housing Prototype for Chad

I-DREAM (Inclusive Development Research Association for Mankind) was forn
2014, and has been developing forums to promoting the exchange of know-h
to improve the quality of life and increase the economic independence of dis
effective sharing methods.

I-DREAM announces a call for entries for its 1st Earth Architecture Design Cha
architecture competition aimed at students, emerging architects and practiti
Let's create change for people in need. Join our team to help us create housi
construction. You'll gain hands-on experience in earth-hand-made-construction by using local and recycled materials and an in-depth understanding of the local culture.

SCHEDULE:

- Competition announcement: **1st Mar 2017**
- Submission of entries: **16th Apr 2017**
- Finalists announcement: **28th Apr 2017**
- Design workshop 1: **27th-28st May 2017** in Paris, France
- Design workshop 2: **26th-28th Jul 2017** in Stockholm, Sweden (www.ekc2017.org)
- Construction commencement: **Nov 2017** (TBD)



Continue reading →

I-DREAM welcomes you…

- Visit our web site: http://www.idream4all.org
- Membership is open to all who share the same compassion and virtue for mankind
- Thank you for your kind attention & support …

