

Blockchain for Social Impact

the benefit to people and the planet

Helen Burrows

- ❑ sustainable development goals
 - ❑ blockchain response
 - ❑ spotlighting slavery
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SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE
DEVELOPMENT
GOALS



821 million people around the world are **undernourished**. 22% are under 5.

UN World Food Programme

redeemable crypto
vouchers for refugees





400 million people cannot access basic **healthcare**. An **adult dies** prematurely **every 2 seconds**.

Mediledger

permissioned network of pharmaceutical companies tracing and tracking medicines





To limit warming to 1.5c global net CO2 **emissions must drop** by **45%**. Bold action will trigger **€25 trillion** in economic **benefits**.

Skymining

offsetting CO2 emissions through
land reclamation & clean fuel





Covering 75% of the earth's surface, **40%** of the world's oceans are heavily impacted by **pollution and fishery loss**.

World Wildlife Fund
tracks fish from vessel to consumers



spotlight on slavery

8 DECENT WORK AND
ECONOMIC GROWTH



- ❑ 5% of the world's population are unemployed
 - ❑ 700 million workers earn less than €3 a day
 - ❑ 61% of workers are employed informally
 - ❑ more than 40 million people are enslaved
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Bitnation

digital identity for 1.1 billion people without legal identity & access by 1.7 billion to the global economy.

Mekong Club & Diginex

copies of employment contracts



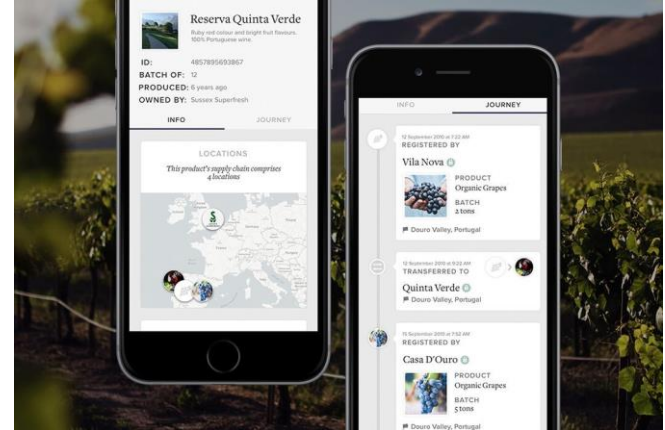


Everledger

Diamond Provenance Platform encrypts diamonds from the mine to your finger.

Provenance

Tracks labour conditions along supply chains



AI identifying and disrupting human trafficking

Intel & US National Center for Missing Children

Analyses child sexual abuse content available online,
telephone/online reports of abuse.

Recognises common items in image backgrounds
grouping them together by computer IP addresses.

Patterns of information rapidly identify connections
between victims and exploiters and exposes the
identity or location of trafficking networks.



disrupting human trafficking with AI

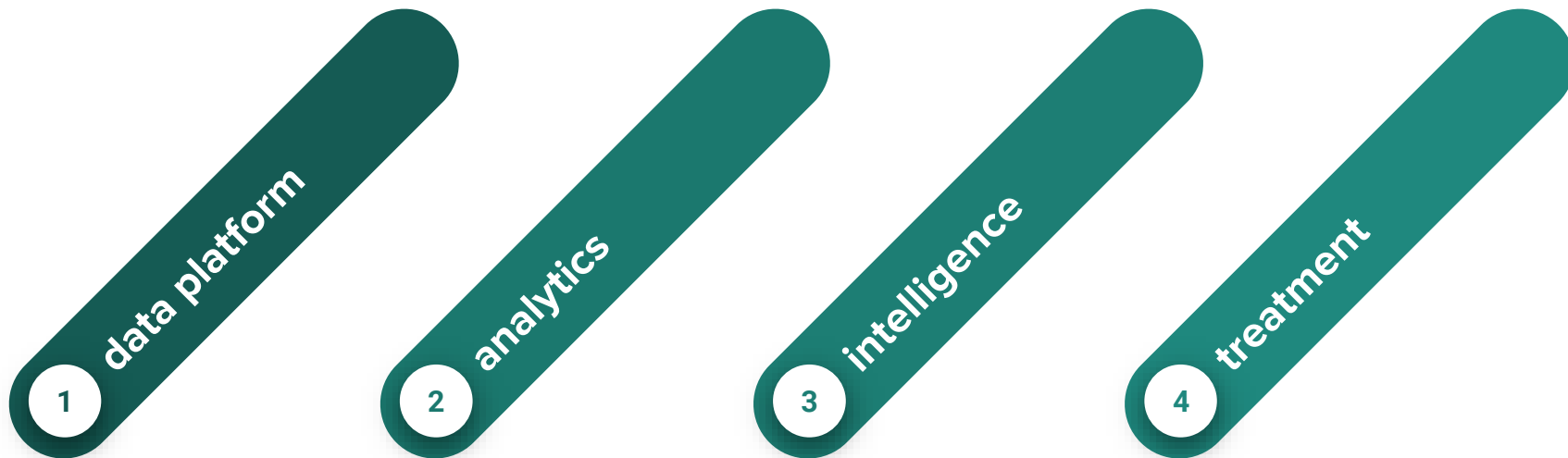
Intel & US National Center for Missing Children



- analyses child sexual abuse content
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why are 40 million
people **still** trapped
in slavery?

harnessing tech to do it differently



blockchain & ai

the potential

- ❑ digital identity & direct data collection
 - ❑ product provenance tracers
 - ❑ contract storage
 - ❑ sharing intelligence
 - ❑ predicting impact
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Blockchain technology and AI are not problem-solving panaceas.

Some solutions require values that cannot be translated into, or activated by code.